

**AV SPECIFICATIONS 2010-11**  
**BOARD OF EDUCATION OF PRINCE GEORGE'S COUNTY**



13300 OLD MARLBORO PIKE, RM 20  
 UPPER MARLBORO, MD 20772-9983  
 TELEPHONE: 301-952-6560 FAX 301-952-6605

Valid thru **June 30, 2011**

**This is a required cross reference to check to ensure that the correct item is ordered**

**Note to the end user:**

**Please read the specifications carefully and determine you are ordering the correct item.**

**When in doubt, contact Television resources and Web Services @ Tel: 301-386-1619**

(\*) Indicates  
Internal Stock  
Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**1 MOBILE TELEVISION CART ASSEMBLED**

Wide body TV table; All welds to be bead type (spot welds not acceptable); Adjustable height (44" to 48"); Must be able to hold 27" TV; Roll-formed shelves with 1/2" safety lip; 4" swivel casters with two brakes; All four wheels must swivel; Two-outlet electrical system grounded to table with 20' cord; Ratchet safety belt and rubber mat included; **VENDOR MUST FULLY ASSEMBLE CART AND PLACE IN AREA DESIGNATED BY BUILDING STAFF.**

DaLite PM7-48JE q/A552R or latest equivalent

ModelOffered: DaLite PM7-48JE q/A552R **\$192.00**

(\*) Indicates

Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**2 FLAT SCREEN TUBE SDTV/DVD/VCR COMBO**

**General Specifications:**

27" tube TV: Flat tube TV, providing a wide viewing angle and minimizing reflections SDTV (480i) with digital tuner: built-in digital (ATSC) tuner DVD player: built-in progressive-scan DVD player compatible with DVD-Video (movies) and DVD+R/RW, VCD, SVCD, music CDs, MP3-CD, CD-R/RW, and Picture CD (JPEG). Switchable between VHS and DVD. Built-in speakers with dynamic stereo Dolby Digital Component video, S-video and composite. Philips 27PC4326/37 **SDTV/DVD/VCR Combo** or latest equivalent

ModelOffered: \_\_\_ No Award

**3 LCD TV/MONITOR, 26" with built-in DVD player**

This is intended for viewing TV, and video playback in small offices or use in TV Studio control rooms.

**General Specifications:**

26" widescreen HDTV,  
1366 x 768 resolution (16:9 aspect ratio, 300cd/m2 brightness, 5ms response time, 1000:1 dynamic contrast ratio built-in digital (ATSC) and analog (NTSC),  
QAM cable TV tuner,digital comb filter, auto channel memory, sleep (off) timer,  
closed caption, V-Chip, built-in stereo speakers (2.5 watts x 2), A/V inputs,

HDMI v1.3 digital audio/video input (accepts signals up to 1080i) PC input: analog RGB (D-Sub 15-pin) with PC audio, Audio enhancements: Dolby® Digital/

DTS® compatible, bass/treble balance, surround sound, Unified remote control, RF

input for antenna/cable signals, Wall mountable DVD Player, Playable disc types:

DVD/DVD-R/DVD-RW/CD/CD-R/CD-RW/VCD DivX® Home Theater Certified

Playback of WMA and MP3 files, Digital picture zoom headphone output, and

VESA-compliant mounting holes (100mm pattern). One year Warranty,  
**Toshiba** 26LV610U or latest equivalent

Model Offered: **Toshiba 26LV610U** **\$340**

(\* Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**4 HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 32"**

***Note to the End user:***

This is intended for use in classrooms, offices and small space environments  
(Please remember to order appropriate wall/ceiling mount)

**General Specifications:**

Full HD TV Monitor, LED-Backlit LCD, 32" Screen Size (Measured Diagonally),  
Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in  
/outs, PC Audio in, multi scan formats, multi standard tuner  
(NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 7.5 W speakers, Hi  
brightness, Hi dynamic contrast ratio, Internet enabled broadband, V chip  
parental control, intelligent sensor, Wide angle viewing, Fast response, Energy  
efficient Flat panel

**Specifications:**

Video Signal Standard: HDTV 1080p

Backlight Technology: Direct LED

Tuner : NTSC / ATSC

Dynamic Contrast Ratio: 3000000:1

Aspect Ratio: 16 : 9

RMS Output Power: 15 W (7.5 Watts x 2)

Connections:

4 HDMI (High-Definition Multimedia Interface) version 1.3: 2 back  
Anynet+™ (HDMI-CEC): Allows peripheral AV devices such as a DVD  
player to be controlled by a Samsung TV remote control.  
2 USB: 2 back

1 Component video input: 1 back  
 1 Optical sound output: 1 back  
 1 PC input: 1 back  
 1 Ethernet: 1 back

**Audio:**

Dolby® Digital  
 DTS™

audio power stereo broadcast reception: Supports multichannel sound (MTS) and second audio program (SAP) with 181-channel capacity  
 Operating Power Consumption: 43.20 W

Height: 21.7"  
 Width: 30.9"  
 Depth: 9.4"

Without Stand: 18.1 lbs  
 With Stand: 24.3 lbs

Shipping: 28.7 lbs

VESA Mount Standard 200 x 200

Manufacturers Warranty: 1 Year Parts and Labor

**Samsung UN32C5000 or Equivalent**

Model Offered: **Samsung UN32C5000**    **\$708.00**

(\* ) Indicates  
 Internal Stock  
 Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**5            HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 37"**

**Note to the End user:**

This is intended for use in office rooms. (Please remember to order appropriate wall/ceiling mount)

**General Specifications:**

Full HD TV Monitor, LCD, 37" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in,

multi scan formats, multi standard tuner (NTSC/ATSC/QAM), 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

**Specifications:**

Maximum Resolution: 1920 x 1080  
 Contrast Ratio: 50000:1  
 Brightness: 500 Nit  
 Response Time: 5ms  
 Tuner: NTSC/ATSC

Total Output Power: 20 w, Stereo, Surround, Dolby

**IN/Outs**

- 1 x Audio/Video In Side
- 1 x HDMI Digital Audio/Video In Side
- 2 x HDMI Digital Audio/Video In Rear
- 1 x RF Antenna In Rear
- 2 x Component Audio/Video In Rear
- 1 x 15-pin HD-15 VGA In Rear
- 1 x Audio Line In Rear
- 1 x Digital/Optical Audio Line Out Rear

Dimensions: 23.4" Height x 36.11" Width x 3.5" Depth  
 Weight: 32 lbs

Manufacturer Warranty: One Year Parts and Labor

**LG 37LH30 37" 1080p LCD HDTV**

Model Offered: **LG 37LH200C \$686.00**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**6 HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 42"**

**General Specifications:**

3D Ready, (3D glasses required ). Full HD TV Monitor, LED-Backlit LCD, 42" Screen Size (Measured Diagonally), 1920x1080 / LED Plus w/ Local Dimming /

TruMotion 240Hz / 5M:1 Dynamic Contrast Ratio / NetCast Entertainment Access / Wi-Fi Ready

Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

**Specifications:**

Display Type: 3D LED-backlit  
Screen Size (Inches/Diagonal) 42  
HDTV Capable 3D HDTV Ready  
Broadcast system: ATSC/NTSC/Clear QAM  
Full HD 1080p Resolution  
8,000,000:1 Dynamic Contrast Ratio  
Screen Format 16:9 Widescreen TV Imaging  
Viewing Angle: 178° / 178°  
Native Display Resolution: 1920 x 1080  
Refresh Rate: 240 Hz  
Intelligent Sensor: Yes  
Response Time: 2.0 ms  
Pictures, Music and Video via USB 2.0: Yes

Audio Output Power (Watts - THD 10%): 20W (10W x 2)  
Speaker System Details: 2 Way 4 Speakers  
Surround System: Infinite Sound  
Side Inputs/Outputs: 1 x AV In, 1x Component Video In + Audio, 1 x HDMI/HDCP (V1.3), 2 x USB 2.0 (JPEG/MPEG-4/DivX HD), 1 x Headphone Out  
Rear Inputs/Outputs: 1 x RF In (Antenna/Cable), 1 x AV In, 2 x Component Video In (Y, Pb, Pr) + Audio, 1 x Digital Audio Out (Optical), 3 x HDMI/HDCP Input (V.1.3 w/Deep Color), 1 x RGB In (D-Sub 15pin) - PC, 1 x PC Audio Input, 1 x LAN, 1 x RS-232c In (Control/Service), 1 x Wireless Control

Picture Wizard II (Easy Picture Calibration)  
AV Mode II (Cinema, Sports, Game)  
Clear Voice II  
ISFccc Ready  
24P Real Cinema  
USB 2.0 (JPEG, MP3, DivX HD)  
DivX HD  
SIMPLINK Connectivity

Dolby Digital 5.1 Decoder  
 Infinite Sound  
 NetCast Entertainment Access (Broadband): Yes  
 Internet Services: Yahoo! TV Widgets, Netflix, Vudu, YouTube, Picasa  
 Wireless HD Ready: Yes  
 WiFi Ready: Yes  
 Skype Ready: Yes  
 DNLA Certified: Yes

Smart Energy Saving  
 ENERGY STAR 4.0 Qualified  
 Intelligent Sensor

Swivel Stand (degrees): +20° / -20°  
 Remote Control Type: Universal  
 VESA Compliant (WxH): 200mm x 200mm  
 TV without stand (WxHxD): 40.0 x 24.8 x 1.2 in.  
 TV with stand (WxHxD): 40.0 x 27.2 x 10.6 in.  
 TV without stand weight: 36.8 lbs.  
 TV with stand weight: 43.0 lbs.

Manufacturer Warranty: One Year Parts and Labor

LG Electronics 42" 1080p 3D-Ready, Internet Enabled 42LX6500 or Equivalent

Model Offered: [LG 42LX6500](#) **\$1,650.00**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**7 HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 47"**

***Note to the End user:***

This is intended for use in classroom, science lab, auditorium, main lobby and indoor sport venues etc. (Please remember to order appropriate wall/ceiling mount)

### **General Specifications:**

Full HD TV Monitor, LED-Backlit LCD, 47" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

### **Specifications:**

Screen Size: 47"

Resolution: 1920 x 1080p  
Dynamic Contrast Ratio: 5,000,000:1  
Response Time (GTG): 2.4ms  
TruMotion 120Hz  
Local Dimming  
Viewing Angle: 178°/178°

### **Video**

Built-In Tuner: ATSC/NTSC/Clear QAM  
XD® Engine  
Aspect Ratio: 16:9  
Aspect Ratio Correction: 6 Modes  
Just Scan (1:1 Pixel Matching)  
HDMI™: 1080p/1080i/720p  
Component: 1080p/1080i/720p  
RF: 1080i/720p  
Color Temperature Control: 3 Modes  
24p Real Cinema (5:5/2:2 Pulldown)  
3:2 Pulldown  
Picture Reset  
AV Mode II: 3 Modes  
Picture Mode: 8 Modes  
ISFccc® Ready  
Intelligent Sensor Mode  
x.v.Color™  
DTV Signal Strength Indicator

### **Audio**

Mono/Stereo/Dual (MTS/SAP)  
Audio Output Power (Watts - THD 10%): 20W (10W + 10W)

Speaker System Details: 2 Way/4 Speakers  
Dolby® Digital Decoder  
Surround System: Infinite Sound  
Bass/Treble/Balance Controls  
Clear Voice II  
Auto Volume Leveler II  
EZ Sound Mode: 5 Modes

#### Broadband

NetCast™ Entertainment Access  
Yahoo!® TV Widgets  
Netflix® Instant Streaming Ready  
Vudu™ (Streaming)  
Picasa™ Web Albums  
YouTube™  
Skype™ Ready  
DLNA® Certified

#### Special Features

Wireless 1080p Ready (WHDI™)  
Wi-Fi® Ready  
Picture Wizard II  
Backlight Control  
Smart Energy Saving  
1080p Source Input  
HDMI™: 60p/30p/24p  
Component: 60p/30p/24p  
RGB: 60p (WXGA)  
A/V Input Navigation  
Input Labeling  
Quick View (Flashback)  
Parental Control w/V-Chip  
Key Lock  
Closed Caption  
SIMPLINK™ (HDMI CEC)

Language: 4 (English/Spanish/French/Korean)  
Auto Tuning/Programming  
Channel Add/Delete  
Favorite Channel Programming  
Auto/Manual Clock  
On/Off Timer  
Sleep Timer  
Auto Off/Auto Sleep (When no video is present)

## Inputs / Outputs

RF In (Antenna/Cable): 1 (rear)  
AV In: 1 (rear) 1 (side w/gender)  
Component Video In (Y, Pb, Pr) + Audio: 2 (rear) 1 (side w/gender)  
Digital Audio Out (Optical): 1 (rear)  
HDMI™/HDCP Input (V.1.3 w/Deep Color): 3 (rear) 1 (side)  
RGB In (D-Sub 15pin) - PC: 1 (rear)  
PC Audio Input: 1 (rear)  
LAN: 1 (rear)  
RS-232c In (Service Only): 1 (rear)  
USB 2.0 (JPEG, MPEG-4/DivX HD): 2 (side)  
Wireless Control: 1 (rear)  
Headphone Out: 1 (side)

## Cabinet/Accessories

Cabinet Color: Glossy Black/Evening Purple  
Swivel Stand (degrees): +20° / -20°  
Remote Control Type: Universal  
VESA® Compliant (WxH): 2000mm x 200mm  
Remote Control: 1 (Universal)

## Power

Voltage, Hz: 100V ~ 240V, 50/60 Hz  
Stand-by Mode: >0.1W  
ENERGY STAR® 4.0 Compliant

## Approximate Dimensions:

### Without Stand

Height: 27.2"  
Width: 44.4"  
Depth: 1.2"

### With Stand

Height: 30"  
Width: 44.4"  
Depth: 10"

Without Stand: 43.2 lbs

With Stand: 50.5 lbs

Shipping: 60 lbs:

Manufacturer Warranty: One Year Parts and Labor

Model Offered: **NO Award**

**8 HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 52”**

***Note to the End user:***

This is intended for use in classroom, science lab, auditorium, main lobby and large indoor venues etc. (Please remember to order appropriate wall/ceiling mount)

**General Specifications:**

Full HD TV Monitor, LED-Backlit LCD, 52" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

**Specifications**

Display Features

Backlight Type : LED  
Deep Black Panel  
Display Device : LCD

TV System

Display Resolution : Full HD 1080(1920x1080)  
Screen Size (cm) : 132.2cm  
Screen Size (measured diagonally) : 52"  
Viewing Angle (Right/Left) : 178(89/89)  
Viewing Angle (Up/Down) : 178(89/89)

Channel Coverage : VHF: 2-13ch UHF: 14-69ch CATV (analog): 1-135ch CATV (digital) : 1-135ch

Color System : NTSC

Number of Tuners (Digital) : 1(Hybrid)

TV System (Analog) : M

TV System (Digital) : ATSC

Tuner (Cable) : Clear QAM

Tuner (Terrestrial) : ATSC™ / NTSC

Aspect Ratio : 16:9

#### Video

Video Signal : 1080/60p (HDMI™ / COMPONENT), 1080/60i, 1080/24p (HDMI™ ONLY), 720/60p, 480/60p, 480/60i

24p True Cinema™ Technology : Yes

3D Comb Filter : Yes

4:3 Default : Yes

Advanced Contrast Enhancer (ACE) : Yes

Auto Wide : Yes

CineMotion® Reverse 3:2 Pulldown Technology : Yes

Cinema Mode : Yes

Deep Color : Yes

Live Color™ Technology : Yes

MPEG Noise Reduction : Yes

Motionflow™ Technology : 240Hz

PhotoTV HD : Yes

Picture Mode : Vivid, Standard, Custom, Cinema, Game-Standard, Game-Original, Sports, Graphics, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom

Video Processing : BRAVIA Engine 3™ Technology

Wide Mode : Normal, Zoom, Wide Zoom, Full (Full1-2 for PC), H Stretch

#### Audio

5.1 Channel Audio Out : Yes

5.1ch Through Out (Handycam) : Yes

Alternate Audio (Digital) : Yes

Audio Out : Variable/Fixed

Auto Mute (on no signal) : Yes

Auto SAP : Yes

Clear Voice : Yes

Dolby® : Dolby® Digital

Invisible Speaker (w/Sound Elevation) : Yes

S-Master : Yes

Sony Original Surround : Yes

Sound Enhancer : Yes

Sound Mode : Dynamic, Standard, Clear Voice, Custom

SteadySound® Automatic Volume Control : Yes

Stereo System : MTS

Surround Effect : Cinema, Music, Live Sports, Game

Audio Power Output : 20W (10W x 2)

Speaker Configuration : 2

Speakers (Total) : 2

#### Inputs and Outputs

AC Power Input : 1 (Rear)  
Analog Audio Input(s) (Total) : 3 (2 Side/1 Rear)  
Audio Out : 1 (Rear)  
Component Video (Y/Pb/Pr) Input(s) : 1(1 Side) (Composite input common use))  
Composite Video Input(s) : 2 ( 1 Side (Component input common use)/ 1 Rear)  
Digital Audio Output(s) : Optical Digital Output - 1 (Rear)  
Ethernet Connection(s) : 1 (Rear)  
HDMI™ Connection(s) (Total) : 4(2 Side/2 Rear)  
HDMI™ PC Input : Yes (see owner's manual for supported timings)  
PC In (D-Sub) + Audio In (Stereo Mini) : 1 (Side)  
RF Connection Input(s) : 1 (Rear)  
USB 2.0 : 1 (Side)

Internet Video  
Internet Widgets  
DLNA  
Photo MAP

Energy Efficiency  
Backlight Off Mode  
Dynamic Backlight Control  
Eco Settings Energy Saving Switch  
Estimated Annual Energy Consumption (kWh) : 209.2kWh/year  
Idle TV Standby  
LightSensor™ Technology  
Power Saving Modes

General  
Audio Return Channel : Yes  
Closed Captions (CC) : Analog, Digital  
Finish (Surface Color) : Black  
HDMI™ InstaPort : Yes  
Illuminated Sony Logo : Yes  
Touch Sensor : Blind Touch Key  
XMB : Yes  
VESA® Hole Pitch : 300x300 M6  
VESA® Hole Spacing Compatible : Yes

Dimensions (Approx.) : 49 3/4 x 32 1/4 x 15 3/4 in (1261 x 819 x 400mm) with pedestal; 49 3/4 x 31 x 2 5/8 in (1261 x 787 x 64mm) without pedestal  
Weight (Approx.) : 79.6 lbs. (36.1kg) with pedestal; 66.3 lbs. (30.1kg) without pedestal

Power  
Power Consumption (in Download Acquisition Mode) : Less than 16 W  
Power Consumption (in Operation) max. : 169W

Power Consumption (in Standby) : 0.17W  
Power Requirements (frequency) : 60Hz  
Power Requirements (voltage) : AC 120V

#### Other

Auto Photo Mode : via HDMI, via DLNA, via USB  
Auto Picture Setting w/ HDMI™ : Cinema, Sport, Music, Photo, Graphics, Game  
Auto Shut-off : Yes  
BRAVIA® Sync™ : Yes  
BRAVIA® Sync™ Menu Button : Yes (on Remote Control)  
Channel Block (with password) : Yes  
Channel Jump : Yes  
Channel Labels : Yes  
Channel Surf : Yes  
Edit Channel Labels : Yes  
Favorites : Yes  
Info Banner : TV Guide on Screen, PSIP, XDS  
Input Skip : Automatic  
Internet Radio : Yes  
Label Inputs : Yes  
Multiple Language Display : English, French, Spanish  
On-Screen Clock : Yes  
On-Screen Display for External Input : Yes  
On-Screen Operating Instructions  
On/Off Timer PIP (Picture in Picture) : PC Input(HDMI)/TV Channel&CVBS  
Parental Control  
Picture Adjustments Lock Picture Frame Mode  
Quick Start  
Scene Select : Auto, Cinema, Sports, Photo, Music, Game, Graphics, OFF  
Show/Hide Channels  
Sleep Timer Stand Swivel  
Stand Swivel Range : Left 20°/Right 20°  
Stand Tilt Stand Tilt Range : 2position 0°/ Back 6°  
Start Up Sony Logo Display TV Guide On-Screen Theatre Mode (Theatre Button)  
Theatre Mode with Cinema Surround USB Application(s) : Photo Viewer (jpeg),  
Photo Viewer (RAW), Music Player (mp3), Video Player (AVCHD), Video Player  
(AVC), Video Player (MPEG4)  
USB Player  
White Balance : RGB Gain/Bias  
Wireless LAN : Integrated

#### Include accessories:

AC Power Cord  
Remote Control  
Batteries (Type AAA x2)  
Table Top Stand (separate, pre-assembled)

Warranty 1 year parts and labor from date of purchase

**Sony BRAVIA 52" 1080p LED-Backlit LCD HDTV Model - KDL-52NX800** or Equivalent

Model Offered: **SONY KDL-52NX800 \$2,005.71**

(\* Indicates Internal Stock Numbers)

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**9 HDTV Monitor, LED back lit LCD Flat Panel, Multimedia, 55"**

Note to the End user:

This is indented for use in classroom, science lab, auditorium, main lobby and indoor sport venues etc. (Please remember to order appropriate wall/ceiling mount)

**General Specifications**

Full HD TV Monitor, LED-Backlit LCD, 55" Screen Size (Measured Diagonally), Multimedia inputs, composite, S-Video, Component, VGA, HDMI, Audio in /outs, PC Audio in, multi scan formats, multi standard tuner (NTSC/ATSC/QAM), Dolby, Surround Sound, 2 X 10 W speakers, Hi brightness, Hi dynamic contrast ratio, Internet enabled broadband, local dimming feature, V chip parental control, intelligent sensor, Wide angle viewing, Fast response, Energy efficient Flat panel

Features:

- LED Plus w/Local Dimming
- NetCast Entertainment Access\* (Wi-Fi® Ready)
- Wireless 1080p Ready\*
- TruMotion 120Hz
- Full HD 1080p Resolution
- Picture Wizard II (Easy Picture Calibration)
- Smart Energy Saving
- ENERGY STAR® 4.0 Qualified
- Intelligent Sensor

AV Mode II (Cinema, Sports, Game)  
Clear Voice II  
ISFccc® Ready  
24P Real Cinema  
USB 2.0 (JPEG, MP3, DivX HD)  
DivX® HD  
4 HDMI™ V.1.3 w/Deep Color  
SIMPLINK™ Connectivity  
Dolby® Digital 5.1 Decoder  
Infinite Sound

#### Specifications:

Screen Size: 55" Class (54.6" diagonal)  
Resolution: 1920 x 1080p  
Dynamic Contrast Ratio: 5,000,000:1  
Response Time (GTG): 2.4ms  
TruMotion 120Hz  
Local Dimming  
Viewing Angle: 178°/178°

#### Video

Built-In Tuner: ATSC/NTSC/Clear QAM  
XD® Engine  
Aspect Ratio: 16:9  
Aspect Ratio Correction: 6 Modes  
Just Scan (1:1 Pixel Matching)  
HDMI™: 1080p/1080i/720p  
Component: 1080p/1080i/720p  
RF: 1080i/720p  
Color Temperature Control: 3 Modes  
24p Real Cinema (5:5/2:2 Pulldown)  
3:2 Pulldown  
Picture Reset  
AV Mode II: 3 Modes  
Picture Mode: 8 Modes  
ISFccc® Ready  
Intelligent Sensor Mode  
x.v.Color™  
DTV Signal Strength Indicator

#### Audio

Mono/Stereo/Dual (MTS/SAP)  
Audio Output Power (Watts - THD 10%): 20W (10W + 10W)  
Speaker System Details: 2 Way/4 Speakers  
Dolby® Digital Decoder

Surround System: Infinite Sound  
Bass/Treble/Balance Controls  
Clear Voice II  
Auto Volume Leveler II  
EZ Sound Mode: 5 Modes

#### Broadband

NetCast™ Entertainment Access  
Yahoo!® TV Widgets  
Netflix® Instant Streaming Ready  
Vudu™ (Streaming)  
Picasa™ Web Albums  
YouTube™  
Skype™ Ready  
DLNA® Certified

#### Special Features

Wireless 1080p Ready (WHDI™)  
Wi-Fi® Ready  
Picture Wizard II  
Backlight Control  
Smart Energy Saving  
1080p Source Input  
HDMI™: 60p/30p/24p  
Component: 60p/30p/24p  
RGB: 60p (WXGA)  
A/V Input Navigation  
Input Labeling  
Quick View (Flashback)  
Parental Control w/V-Chip  
Key Lock  
Closed Caption  
SIMPLINK™ (HDMI CEC)

#### Convenience

Language: 4 (English/Spanish/French/Korean)  
Auto Tuning/Programming  
Channel Add/Delete  
Favorite Channel Programming  
Auto/Manual Clock  
On/Off Timer  
Sleep Timer  
Auto Off/Auto Sleep (When no video is present)

#### Inputs / Outputs

RF In (Antenna/Cable): 1 (rear)

AV In: 1 (rear) 1 (side w/gender)  
Component Video In (Y, Pb, Pr) + Audio: 2 (rear) 1 (side w/gender)  
Digital Audio Out (Optical): 1 (rear)  
HDMI™/HDCP Input (V.1.3 w/Deep Color): 3 (rear) 1 (side)  
RGB In (D-Sub 15pin) - PC: 1 (rear)  
PC Audio Input: 1 (rear)  
LAN: 1 (rear)  
RS-232c In (Service Only): 1 (rear)  
USB 2.0 (JPEG, MPEG-4/DivX HD): 2 (side)  
Wireless Control: 1 (rear)  
Headphone Out: 1 (side)

#### Cabinet/Accessories

Cabinet Color: Glossy Black/Evening Purple  
Swivel Stand (degrees): +20° / -20°  
Remote Control Type: Universal  
VESA® Compliant (WxH): 200mm x 200mm  
Remote Control: 1 (Universal)

#### Power

Voltage, Hz: 100V ~ 240V, 50/60 Hz  
Stand-by Mode: >0.1W  
ENERGY STAR® 4.0 Compliant

#### Approximate Dimensions:

Without Stand  
Height: 31.4"  
Width: 51.4"  
Depth: 1.2"  
With Stand  
Height: 34.1"  
Width: 51.4"  
Depth: 11.3"

#### Approximate Weight:

Without Stand: 63.5 lbs  
With Stand: 76.1 lbs  
Shipping: 86 lbs

#### Warranty Information:

Manufacturer Warranty: One Year Parts and Labor

**LG Electronics 55" 1080p Internet Enabled LED-Backlit LCD HDTV -  
55LE5500 Or Equivalent**

Model Offered: **LG 55LE5500 \$2,175.00**

## **10 HDTV/MONITOR, 65" MULTIMEDIA**

This is a very large Flat Panel display specially intended for use in large auditoriums, Lecture halls, main lobby and indoor sport venues, conference rooms etc. and as a replacement option for video projectors. (Note to end-user: Please remember to order appropriate Pedestal & mounting hardware). Vendor is responsible for the complete installation!

### **General Specifications:**

Flat panel display LCD/Plasma, size 65" Full HD, with built-in ATSC & NTSC tuners, Composite, component, A/V, S-Video, HDMI, audio inputs, VGA, with PC Audio IN, Head phone out, built-in vertical speakers, Multiple aspect ratio selectable

Specifications:

Progressive scan, Closed caption, MTS support, PIP/Split Screen, 65" screen (measured diagonally)

widescreen 16:9 aspect ratio

built-in digital ATSC, QAM and analog NTSC, tuners

1920 x 1080 pixels (full HD), 100,000:1 dynamic contrast ratio

digital video processing, Four built-in speakers (31 watts)

A/V inputs, including: minimum 1 composite video, 1 S-video, 2 component video

(accepting signals up to 1080p)

3 HDMI, PC input: analog RGB (D-Sub 15-pin), RF input for antenna/cable signals

optical digital audio output, USB port

Wide Viewing Angle, Support for 480i, 480p, 720P, 1080i,

V-Chip Parental Control, 2:2/3:2 Pull Down,

Pro Setting Menu, Studio Reference Mode, 900 lines or more moving picture resolution

AR (Anti-Reflective) Filter screen coating, 4:3/Zoom/Full/Just/H-fill TV/AV aspect control,

4:3/Full for PC, 480 Hz Sub-field Drive,, Motion adaptive 3D-Y/C digital comb filter,

Deep Color/x.v. Color via HDMI, Digital Cinema Color, 3D Color Management,,

Motion pattern noise reduction, Sub Pixel Control, Pixel Shifter (anti-image retention)

SD/SDHC memory card slot/Gallery Player ready-to-view with AVCHD/MPEG2

Playback,capability-(H.264)  
VIERA Cast IPTV capable with Ethernet port  
Mini D-Sub 15-pin PC input, RS-232C port. Game Mode  
Video Picture Memory, video input labeling, V-Chip program lockout,  
Closed caption decoder  
detachable swivel stand , wall-mountable, remote control  
Energy Star regulatory approvals, 3 Year warranty,  
3 Year Parts and Labor w/ Onsite Coverage for 1st Year.

**Panasonic Viera TH-65PZ850U 65" Plasma TV or latest equivalent**

ModelOffered: **Panasonic Viera TH-65PZ850U 65TCP65V10 \$3,499.00**

**11 Blu-Ray disc player**

This is intended for use in classroom, office, auditorium, lobby etc  
Bluray DVD playback operations

**General Specifications:**

1080p high definition resolution Compatible with Blu ray disc and backward compatible with  
CD/DVD, Up scaling, WiFi Ready, Interactive, Netflix and Pandora streaming capable

**Specifications**

BD Profile 2.0 (BD-Live Ready); BD Wise

2 USB 2.0 (front and back)

1 Ethernet

Audio Output Mode: Stereo

Parental Lock

Form Factor: Tabletop

DVD Media Loading: Tray

Width: 17 inches

Depth: 7.8 inches

Height: 2.1 inches

Weight: 4.9 pounds

Include: Wireless adapter, Remote control

Manufacturers' One Year Warranty

**Samsung BD-P1590 Blu-Ray disc player or Equivalent**

ModelOffered: **TOSHIBA BDX2000 \$135.48**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**12 DVD/S-VHS/HDD COMBO RECORD/PLAY FOR CLASS ROOMS.**

**General Specifications:**

3-in-1 DVD/VHS/HDD video recorder. DVD-R-RW/DVD +R/+RW/RAM DVD recorder, VHS HiFi VCR, Hard Disk video recorder with an 80GB hard drive standard cable-ready tuner, analog and Firewire AV inputs, progressive scan, DivX, and video upscaling via HDMI output, I/O Digital coaxial output, Component video output, S-video outputs, Composite, Digital Audio (TOSLINK), HDMI. One year warranty.

Panasonic **DMR-EH75VS** or latest equivalent

ModelOffered: Panasonic **DMR-EH69GAK \$380.00**

**13 DVD/VCR Rec/ Playback**

**General Specifications:**

DVD/VCR combo, Multi format, Progressive scanning (line doubling), simultaneous recording and playback  
Dolby Digital output, S-VHS quasi playback, one-touch recording/playback, PEG photo playback, 24bit / 192kHz A/D, DTS digital output,

**DVD**

Media Type : CD-R, CD-RW, DVD-R, DVD-RW, DVD, CD, Video CD

Video D/A Converter : 14bit / 108MHz

Audio D/A Converter: 24bit / 192kHz

DVD Additional Features: JPEG photo playback

**VCR**

Media Type : VHS

Recording / Playback Speed : SLP, SP, EP

#### Audio

24bit / 192kHz A/D, DTS digital output,  
Stereo, 3D Surround

#### IN/Outs

1 x component video output ( RCA phono x 3 ) - rear 1 x composite video/audio input ( RCA phono x 3 ) - front 1 x composite video/audio input ( RCA phono x 3 ) - rear 1 x composite video/audio output ( RCA phono x 3 ) - rear 1 x S-Video output ( 4 pin mini-DIN ) - rear 1 x SPDIF output ( RCA phono ) – rear

Width : 17.1 in

Depth : 9.2 in

Height : 3.7 in

Weight: 6 lbs

Include Remote control

Manufacturer's Warranty One Year

**Toshiba SD V296 or Equivalent**

Model Offered: **Toshiba SD V296 \$63.00**

#### **14 CART FOR LCD DISPLAY**

**INCLUDING 2 VCR/DVD PLAYER MOUNTING SHELVES  
ASSEMBLY & INSTALLATION REQUIRED  
BY THE VENDOR**

##### **General Specifications:**

LCD mobile cart to position the display anywhere along its poles and to safely support any AV equipment mounted and placed upon it. The kit shall consist of the LCD Display Cart with appropriate mount and 2 X equipment shelves to place one VCR and one DVD player. 60" post height, Lockable casters, - shelf dimensions are 20"W x 16"D with manufacturer's limited lifetime warranty. The vendor shall assemble and securely install the equipment on the shelves. The wiring for proper operation shall also be completed by the vendor. Premier Mounts UPD Series with Clevis Universal Mount & PSD-SHA Optional Shelf or latest equivalent

Model Offered: **No award**

(\* Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**15 MINI DV/DVD/HDD COMBO**

This is intended for multimedia recording, playback and dubbing

**General Specifications:**

Three-in-one video recorder, All-digital formats of Mini DV, 250GB hard disk drive (HDD), and DVD, stand alone editing/dubbing/viewing production system, built-in Simple non-linear 'play-list' editing, and facility to create finished DVD programs without a computer, Compatible with most non-linear editing systems, IEEE-1394 In/Out, & BNC Connection, dubbing to/from Mini DV tape, Program storage on HDD, High quality DVD creation and duplication, DVCAM™

playback capability, Multi-format DVD (recording & playback of

DVD-R, DVD-RW, and DVD-RAM as well as playback of +R or +RW.)

**JVC SR-DVM700US or Latest equivalent**

Model Offered: **JVC SR-DVM700US \$1,124.00**

(\* Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**16 TV Tuner/Receiver, Digital, ATSC/QAM - For Cable & Terrestrial Broadcasts**

**Note to End User :**

This is intended for use as an external TV tuner for DVD/VHS, TV and projectors

This unit can receive digital ATSC over-the-air HDTV broadcast signals from external antenna or digital Cable clear non-encrypted QAM 64 and 256 TV signal from Cable RF source.

(The Comcast is sending a mixture of both analog and digital channels. Some of the analog channels already converted to unencrypted standard digital (SD) format that can be displayed by the DCT618.

Digital tuner displaying only Standard Digital (SD) or High Definition (HD) Digital channels. However, RF bypass feature to pass analog channels

### **General Specifications**

Fully DVB-C/MPEG2 compliant 256QAM HDTV Receiver 480i, 480p, 720p, and 1080i Selectable Outputs

Receive and decode all over-the-air (ATSC) HDTV/SDTV formats.

Receive and decode Digital Cable (Clear non-encrypted QAM tuner) in HDTV/SDTV formats.

HD Component (Y-Pb-Pr), RGB, and **HDMI** HDTV outputs.

Composite Video (CVBS) and S-Video outputs.

Rear-panel switch for selecting output resolution (1080i / 720p / 480p / 480i).

Digital Volume Control.

V-CHIP & Closed Captioning.

Instant Channel information, signal strength indicator and Electronic Programming Guide (EPG) at one glance.

Master Channel list and 3 Favor Channel lists from OSD menu and remote control access.

selectable 16:9 and 4:3 aspect ratio.

Front panel display for channel number, automatic channel time clock display, channel scan etc , RF passthrough connector

Decoded video in channel 3 or 4 output by CH3/4 switch.

### **Specifications**

Video System (ATSC) : (ATSC) MPEG-2 MP@HL compliant video decoder

Video Type: 480i, 480p, 720p, 1080i

Sound System (ATSC): Dolby Digital PCM

V-Chip and MPAA : Parental Guide Rating Support

AUDIO : MTS, Mono / Stereo / SAP

Aspect Ratio: Normal / Full / Zoom

**OSD** : Multi language OSD

**External  
Connections**

1 x RCA Stereo (L/R) Out

1 x RCA Video Out (480i)

1 x S-video Out (480i)

1 x Component Out (1080i, 720p, 480p)

1 x D-Sub (15 Pin) Out (1080i, 720p, 480p)

1 x HDMI Out(1080i, 720p, 480p)

1 x USB v.2.0 Jack for Service (ATSC Module)

SPDIF (Optical) : Dolby Digital or PCM

TV Antenna: Antenna In (75ohm Coaxial cable, F-connector)

RF Out : F-connector, CH 3/Analog pass through

Power Supply : AC 120V, 60Hz

Power Consumption : 15 W

Dimensions: 14.17”(W)×1.96”(H)×9.84”(D)

**Include**

Remote Control & Batteries

Composite Audio/Video Cable (RCA, Red/White/Yellow)

Component Video Cable (RCA, Red/Green/Blue)

User's Manual

**Warranty Terms:** - 1 year, Parts, Labor - 90 days

**DCT618 HDTV receiver or equivalent**

<http://www.barrel-of-monkeys.com/graphics/dct618/dct618.shtml>

Model Offered: **APEX DT502 \$49.95**

**17 CAMCORDER, Multi Format,**

Note to the End User:

( Please remember to order re-usable P2 Card for tapeless recording !)

**General Specifications:**

Handheld Varicam camcorder 3CCD, 1/3-inch 16:9  
progressive CCD 1100000 Pixel, with LEICA DICOMAR lens  
intended for use in TV production Elementary & Middle schools

**Specifications**

Pick-up Device: 3CCD; (1/3-inch interline transfer type, and progressive modes supported); Lens: LEICA DICOMAR lens with optical image stabilizer, motorized/manual mode switching, 13 × zoom, F1.6 - 3.0 (f=3.9mm to 51mm / 35mm latest equivalent: 28mm to 368mm); Optical Color Separation: Prism system; ND Filter: 1/4, 1/16, 1/64; Video P2 General (DV CPRO HD , 1080i / 720p); Sampling Frequency: Y : 74.25 MHz, PB/PR: 37.125 MHz; Quantizing: 8 bits; Video Compression System: Compression ratio 1/6.7, DCT + variable length code; Video Recording Bit Rate: 100 Mbps; Audio P2 General (DV CPRO HD , 1080i / 720p); Sampling Frequency: 48 kHz Quantizing: 16 bits / 4ch; Frequency characteristics: 20 Hz to 20kHz Memory Card; Recording Format: DV CPRO HD : (59.94 Hz) 1080/60i (30p over 60i, 24p over 60i, 24pA over 60i), 720/59.94p (30p over 60p, 24p over 60p), 720/30pN (Native), 720/24pN (Native); DV CPRO 50/DV CPRO /DV : 480/60i (30p over 60i, 24p over 60i, 24pA over 60i) Audio Recording Format: PCM digital recording 48 kHz / 16 bits 4ch (DV CPRO HD / DV CPRO 50), 2ch/4ch selectable (DV CPRO /DV ) Recording/Playback Time\*: Approx.64 minutes; VIDEO connectors

SDI Out: BNC x 1, 0.8Vp-p, 75; HD : SMPTE 292M/296M/299M Standard SD: SMPTE 259M-C/272M-A/IT U-R.BT656-4 Standard Analog Component Output: Component Video Terminal x 1, Y : 1.0Vp-p, 75 Ω , PB/PR: 0.7Vp-p, 75 Ω; Analog Composite Output: Pin jack x 1, 1.0Vp-p, 75 Ω; Audio Connectors

XLR Input: XLR (3-pin) × 2 (Input 1/Input 2), Input High-Impedance Line: 0dBu, MIC: -50/-60dBu (selectable in menu GUI); Line Output: Pin-jack × 2 (ch1,ch2) 316mV, 600 Ω; Built-in Microphone: Stereo microphone; Phones: Stereo mini jack (3.5mm diameter); Built-in Speaker: 20mm round shape x 1; Other Connectors IE 1394: 6 pin Digital x 1 (Input/Output), based on IE 1394 standard USB: Type mini B connector (USB ver.2.0); Camera Remote: 2.5mm diameter super mini jack for zoom and rec start/stop; 3.5mm diameter mini jack for focus and iris; Monitor, AC Adapter, and other packages; LCD Monitor: 3.5 inches, LCD color monitor, 210,000 pixels; Viewfinder: 0.44 inches, LCD color viewfinder, 235,000 pixels; AC Adapter: Weight: 160 g; Dimensions: 70 (W) mm x 44.5 (H) mm x 116 (D) mm; Supplied Accessories: A C adapter/charger, AC cord, DC cord, Eye cup, 5400mAh battery pack, Wireless remote controller with button-type battery, Microphone holder, Shoulder strap, Ferrite core, Component video cable, Pin-BNC conversion plug, P2 card software driver install CD-ROM; Include: Lithium Battery Battery Charger; A/C Adapter. 5 Year warranty.

**Panasonic AG-HPX170 or Latest equivalent**

Model Offered: **Panasonic AG-HPX170 \$3.864.00**

(\* Indicates Internal Stock Numbers)

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**18 TRIPOD SYSTEM (MINI DV CAMERA)**

This is a camera support system is for light weight cameras and intended for use in TV studio or for remote location shooting. Tripod system for use with Mini DV Camcorders to support a minimum of 22 lbs. Consists of a universal tripod, featuring robust built-in geared column, integrated adjustable spreader, retractable spiked feet and universal-flat based head mount with Fluid Head- providing continuous adjustable drag control with integrated counter balance mechanism, camera mounting plate,

with 2 pan handles; Dolly with locking capability.

ModelOffered: **Manfrotto model 3068/516/3156 \$630.00**

**19LED Dance Floors**

**General Specifications:**

This is intended for use in creative & performance arts schools for use as a dance floor with programmable lighting effects; LED lighted dance floors sections in 4’x4’ steel decks that hold at least 1200 lb’s a piece and can be clamped together to make any size dance floor as needed. Each installed with 4 LED light strips, the steel frame, a 3/4 “ Plexiglas deck, all the cables and includes all materials, safety rails, installation and operator instruction; software application to program and save individual blocks for color, patterns, effects and combinations. Usable from regular 20amp power outlet, **LED Party floor model** or latest equivalent

ModelOffered: **No Award**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**20TELEVISION STUDIO FOR ELEM. SCHOOLS**

**General Specifications:**

This is intended for live and taped video production of morning address, instructional materials, documentaries, events, info/educational programs. The studio will also be used for teaching Television classes and training students. The vendor shall procure, install, test and maintain for three years a complete and fully functional functioning Turn-key system including but not limited to the following items or **its latest equivalent and compatible replacements**. All items shall be of prosumer / industrial grade supplied with a minimum of one year OEM warranty for parts & labor together with an extended service contract from the vendor. All items, cables shall be marked, labeled, and the wiring be carried out in a professional manner following all industry and safety standards. The vendor shall provide a minimum of 16 hours of training. Up on commissioning, the vendor shall also provide test results, schematics,

documentation and manuals. The system shall be installed in low profile mobile dual video and single audio rack consoles to facilitate remote productions within the school complex (schematic Diagram is available from TV Resources up on request)

ITEM DESCRIPTION	TYPICAL MAKE /MODEL	QTY
Camcorder, 3CCD adapted for studio use with Tally, ext. VF, P2 Card (as specified in bid item#11)	Panasonic AG-HPX170	2
AC ADAPTER/BATTERY CHARGER		2
LI-ION BATTERY, 2 HR.	-	2
BATTERY ADAPTER		2
TRIPOD, WITH CAMERA ADAPTER,HEAD, Handle		2
DOLLY for camera support system		2
MIC,LAVALLIER, ELECTRIC CONDENSER, SONY	ECM-44B	3
MIC, HAND HELD	SHURE SM57	3
VIDEO PROD. SWITCHER, Integrated TriCaster VM™, TimeWarp™, LiveText™, DataLink	*Newtek Tricaster	1
MONITOR 4",PVW, LCD,MARSHALL ELECTRONICS	V-LCD4-PRO-L	4
MONITOR,LCD, 7", MARSHALL ELECTRONICS	V-ASL7070	2
TV/ MONITOR, LCD, 19",Wide screen	TOSHIBA 19LV610U	3
MICROPHONE STAND, HEIGHT ADJUSTABLE	MS-10 C	3
Rack case, Fly pack, shock mounted, 12RU, 14" d w. casters , mobile,		2
THREE IN ONE RECORDER, MINI DV+DVD+HDD, JVC	SR-DVM70US	2
AUDIO MIXER, 14 IN, MACKIE	Mackie 1402-VLZ3	1
CD/DVD PLAYER, SAMSUNG	DVD-HD841	1
A/V SELECTOR SWITCH, 5 X 1, JVC	JVC JX-S111S	1
HEAD SET, JVC	HA G101	2
INTERCOM SYSTEM, WIRELESS, 4 USERS,	EAR-TD904	1
TELEPROMPTER SYSTEM W. LCD, TO FIT ITEM #1	DV-11	1
LIGHTING, LED KIT, 1500W	Image west model KIT/LED-1500	1
MESSAGING/ INFORMATION/ALERT SYSTEM	Chyron ChyTV-IP-N	1
CHROMA KEY SCREEN with support	LL LC5781 +314	1
DA, AUDIO & VIDEO	Comprehensive CVG-5A	2
Signal converter, analog to digital & digital to Analog each	AJA	1
SCAN CONVERTER	TView Gold	1
INSTALLATION, DOCUMENTATION & TRAINING		1
UPS, APC SmartUPS , 1400VA, RACK MOUNT	SUA1500RM2U Smart-UPS	1

**\*100% credit to be applied when upgraded to a higher system!- for example, composite to SD**

Model Offered: AS Specified **\$44,360.50**

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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## 21 TELEVISION STUDIO FOR MIDDLE SCHOOLS

### General Specifications:

This is intended for live and taped video production of morning address, instructional materials, documentaries, events, info/educational programs. The studio will also be used for teaching Television classes and training students. The vendor shall procure, install, test and maintain for three years a complete and fully functional functioning Turn-key system including but not limited to the following items or **its latest equivalent and compatible replacements**. All items shall be of prosumer / industrial grade supplied with a minimum of one year OEM warranty for parts & labor together with an extended service contract from the vendor. All items, cables shall be marked, labeled, and the wiring be carried out in a professional manner following all industry and safety standards. The vendor shall provide itemized prizes, and may substitute latest equivalent items without affecting the integrity of the system. The vendor shall provide a minimum of 16 hours of training. Up on commissioning, the vendor shall also provide test results, schematics, documentation and manuals. The system shall be installed in low profile mobile dual video and single audio rack consoles to facilitate remote productions within the school complex. (schematic is available from TV resources up on request)

ITEM DESCRIPTION	TYPICAL MAKE /MODEL	QTY
Camcorder, 3CCD adapted for studio use with Tally, ext. VF, P2 Card (as specified in bid item#11)	Panasonic AG-HPX170	3
Signal converter, analog to digital & digital to Analog each	AJA	1
AC ADAPTER/BATTERY CHARGER		2
LI-ION BATTERY	-	2
BATTERY ADAPTER		2
TRIPOD, W. CAMERA ADAPTER, Fluid head, +2 HANDLES	Sachtler DV II	3
DOLLY for the camera support system	Sachtler	3
MIC, LAVALLIER, ELECTRIC CONDENSER, SONY	ECM-44B	3
MIC, HAND HELD	SHURE SM57	3
VIDEO PROD. SWITCHER, Integrated TriCaster VM™, TimeWarp™, LiveText™, DataLink	Newtek Tricaster	1
TV/Monitor, 32", Flat Panel, Multimedia VGA, HDMI, RF,	Viewsonic N3290W	2
LCD 19", Wide screen HDTV/monitor	Toshiba 19HLV87	2
MICROPHONE STAND, HEIGHT ADJUSTABLE	MS-10 C	1
Rack case, Fly pack, shock mounted, 12RU, 14" d w. casters, mobile,	any	2
Signal converter, digital to analog, analog to digital, each	AJA	2
THREE IN ONE RECORDER, MINI DV+DVD+HDD, JVC	SR-DVM70US	2
MONITOR, LCD, 7", DUAL	LAIRD LTM-2LCD7	2

AUDIO MIXER, 14 IN, eq, mic/Line	Mackie 1402-VLZ3	1
VHS/DVD Combo,	JVC HR-XVC19S	1
HEAD SET, JVC	HA G101	2
INTERCOM SYSTEM, WIRELESS, 4 USERS,	EAR-TD904	1
TELEPROMPTER SYSTEM W. LCD, TO FIT ITEM #1	Broadcast 15 Prompter	
LIGHTING, LED KIT, 1500W	Image west model KIT/LED-1500	1
CHROMA KEY SCREEN with support	LL LC5781 +314	1
DA, SDI	AJA	2
UPS, APC SmartUPS , 1400VA, RACK MOUNT	SUA1500RM2U Smart-UPS	2
SCAN CONVERTER	TView Gold	1
MESSAGING/ INFORMATION/ALERT SSSYTEM	Chyron ChyTV-IP-N	1
Microphone snake cable assy, 50', FM. XLR	Markertek SIG-12F	1
Interface Panels, A/V I/O	As needed	1
<b>HD/SD Sync Generator</b>	<b>GEN10</b>	
MIC, WIRELESS, FREQ.AGILE, SYSTEM	ATW-1128	1
INSTALLATION/DOCUMENTATION/TRAINING		1

**\*100% credit to be applied when upgraded to a higher system!- for example, composite to SD**

Model Offered: [AS Specified](#) **\$61,268.25**

(\* Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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## 21 **TELEVISION STUDIO FOR HIGH SCHOOLS**

### **General Specifications:**

This is intended for live and taped video production of morning address, instructional materials, documentaries, events, info/educational programs. The studio will also be used for teaching Television classes and training students. The vendor shall procure, install, test and maintain for three years a complete and fully functional functioning Turn-key system including but not limited to the following items or **its latest equivalent and compatible replacements**. All items shall be of prosumer / industrial grade supplied with a minimum of one year OEM warranty for parts & labor together with an extended service contract from the vendor. All items, cables shall be marked, labeled, and the wiring be carried out in a professional manner following all industry and safety standards. The vendor shall provide itemized prices, and may substitute latest equivalent items without affecting the integrity of the system. The vendor shall provide a minimum of 16 hours of training. Up on commissioning, the vendor shall also provide test results, schematics, documentation and manuals. The system shall be installed in low profile

mobile dual video and single audio rack consoles to facilitate remote productions within the school complex. (schematic diagram is available from TV resources up on request)

ITEM DESCRIPTION	TYPICAL MAKE /MODEL	QTY
CAMCORDER, ½” CMOS, STUDIO PACKAGE, MEMORY CARD, W. Lens, CABLES	Sony PMW-EX3	3
AC ADAPTER/BATTERY CHARGER		2
LI-ION BATTERY		2
BATTERY ADAPTER		2
TRIPOD, W. CAMERA ADAPTER, Fluid head, +2 HANDLES	Sachtler SACH-0472, FSB-6,3270	3
DOLLY for the camera support system	Sachtler DV 100	3
MIC, LAVALLIER, ELECTRIC CONDENSER, SONY	ECM-44B	3
MIC, HAND HELD	Shure SM58-CN	3
INTEGRATED VIDEO PRODUCTION SWITCHER, digital, SDI, <b>LiveText</b> , CG, <b>NewTek iVGA</b> , <b>LiveSet</b>	*TriCaster BROADCAST	1
TV/Monitor, 32”, Flat Panel, Multimedia VGA, HDMI, RF,	Viewsonic N3290W	2
LCD 19",Wide screen HDTV/monitor	Toshiba 19LV610U	2
MICROPHONE STAND, HEIGHT ADJUSTABLE	Atlas MS-10C	1
Fly pack, Rack case shock mounted,16RU,14” d w. casters , mobile,		2
THREE IN ONE RECORDER, MINI DV+DVD+HDD, JVC	JVC SR-DVM700US	2
Wide Screen LCD Monitor with SDI Input, 7”	Marshall V-R70P-SD 7	2
AUDIO MIXER, 14 IN, mic / line, eq,	Mackie 1402-VLZ3	1
VHS/DVD Combo,	JVC HR-XVC19S	1
A/V SELECTOR SWITCH, 5 X 1, JVC	JVC JX-S111S	1
HEAD SET, JVC	JVC HAG101	2
INTERCOM SYSTEM, WIRELESS, 4 USERS,	Ear TD904	1
TELEPROMPTER SYSTEM W. LCD, TO FIT ITEM #1	Broadcast 15 Prompter	1
LIGHTING, LED KIT, 1500W	<b>Image west model KIT/LED-1500</b>	1
CHROMA KEY SCREEN with support	LL LC5781 +314	1
MINI Converter, SDI to analog NTSC w.Power Supply	AJA D4E	1
MINI Converter, analog NTSC to SDI, w. Power supply	AJA D5D	1
UPS, APC SmartUPS , 1400VA, RACK MOUNT	APC SUA1500RM2U	2
SCAN CONVERTER	TView Gold	1
MESSAGING/ INFORMATION/ALERT SSSYTEM	Chyron ChyTV-IP-N	1
Memory Recorder, XDCAM EX	PMWEX30	1
Signal converter, multi format, analog to digital	AJA	1
Microphone snake cable assy, 50', FM. XLR	Rapco SIG-12F-50	1
Interface Panels, A/V I/O	As needed	1

HD/SD Sync Generator	GEN10	
MIC, WIRELESS, FREQ.AGILE, SYSTEM	ATW-1128	1
INSTALLATION/DOCUMENTATION/TRAINING		1

\* 100% credit to be applied for upgrade to a higher system!- for example, SD to HD

Model Offered: AS Specified **\$82,500.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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## 22 Multimedia Projector, 3 LCD, portable

This is intended for use in classrooms, science labs, conference rooms etc.

Front/Rear projection, 3,000 ANSI Lumens (Max)1,contrast ratio of 2000:1 (Full on/Full off), Native XGA (1024 x 768) resolution, with auto sync up to UXGA (1600 x 1200), Lens: standard with optical zoom ratio 1: 1.6x Manual Zoom Lens, Verical & Horiz. Kerning correction, Full connectivity supporting PC, S-video, composite video, component video via VGA and RS-232 connectors

full range of television and video standards support, including NTSC, NTSC 4.43,

PAL, PAL-N, PAL M, SECAM and HDTV (480i/P, 576i/P, 720P, 1080i), 16.7 Million true colors, extended lamp life (up to 6000 hours), Light weight>3 kg, all

relevant cables, remote, hard carrying case. Power: AC power input socket, Computer

Input: One VGA 15 pin D-sub, Computer Output: One VGA 15-pin D-sub, Video Input:

One Composite Video RCA, one RGB/component and one S-Video RS232 Port, USB

Port, Closed Captioning, Networked monitoring & control, message broadcasting,

USB display compatible with Mac. Same 2-in-1 function for display and mouse (no audio). Improved Microphone Support. Supports "plug-in-power" or "condenser" microphones.

Web Remote Function. virtual remote control that works via the web browser.

Pattern Function. Eliminates the need to draw lines on the board. Displays grids for graphs or lines for lettering. Works with black or white backgrounds.

Minimum 3-years warranty, guarantee minimum downtime to less than 48 hours.

Epson Powerlite 825 + or latest equivalent

Model Offered: [Epson Powerlite 825](#) **\$698.00**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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## 24 Projector, Multimedia Interactive

### *Note to the end-user:*

This is intended for use in new classroom as a wall mounted unit above the hard writing board, which is also used as the screen.

Maximum display size , up to 96" . Please note that no separate projector screen is required. The projector is interfaced via USB.

Functionally, this interactive projector may be considered equivalent to a smart board. It is notintended for desk-top or ceiling mounted applications.

### **General Description**

Interactive,native WXGA 1280 X 800 pixels), 3LCD, 3-chip , 2500 lumens, contrast ratio 2000:1, 16.7 Million color, 10 W audio,

Computer/component video, S-video: ,Composite video,Audio in , Microphone in ,Variable audio out?LAN ,

Serial: RS-232c ,USB , Wireless port 802.11 a/b/g

### **Specifications**

#### **Projection System**

- Epson 3LCD, 3-chip optical engine

#### **Projection Method**

- Front/rear/wall mount

#### **Driving Method**

- Epson Poly-silicon TFT Active Matrix

### **Pixel Number**

- 1,024,000 dots (1280 x 800) x 3

### **White Light Output**

- 2500 lumens (ISO 21118 Standard)<sup>1</sup>

### **Color Light Output**

- 2500 lumens<sup>1</sup>

### **Aspect Ratio**

- 16:10 (native), 16:9, 4:3

### **Native Resolution**

- 1280 x 800 (WXGA)

### **Input Signal**

- NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM

### **Display Performance**

NTSC: 560 lines

PAL: 560 lines

#### **Interfaces**

Computer/component video: D-sub 15 pin x 2

S-video: Mini DIN x 1

Composite video: RCA x 1

Audio in x 3: RCA (L&R) x 1, mini stereo x 2

Microphone in x 1

Variable audio out: mini stereo x 1

LAN networking: RJ-45 x 1

Serial: RS-232c x 1

Monitor out: D-sub 15 pin x 1

USB Type B x 1 (USB display, interactive pen)

USB Type A x 1 (USB memory device)

Wireless port 802.11 a/b/g (optional module sold separately)

## **Resize**

- 640 x 480 (VGA), 800 x 600 (SVGA),  
1024 x 768 (XGA), 1152 x 864 (SXGA1),  
1280 x 960 (SXGA2), 1280 x 1024 (SXGA3),  
1280 x 768 (WXGA60-1), 1360 x 768 (WXGA60-2),  
1440 x 900 (WXGA+), 1400 x 1050 (SXGA+),  
1600 x 1200 (UXGA), 1680 x 1050 (WSXGA+)

## **Throw Ratio Range**

- 0.37' – 0.50' (16:10)  
0.37' – 0.50' (16:9)  
0.44' – 0.59' (4:3)

## **Plug 'n Play**

- USB Plug 'n Play for Windows® 2000 or later and Mac OS® X 10.5.1 or later

## **Projection Lens**

- **Type**  
Manual focus
- **F-number**  
1.80
- **Focal Length**  
4.68 mm
- **Zoom Ratio**  
Digital zoom 1.0 – 1.35x

## **Lamp**

- **Type**  
E-TORL 230 W UHE
- **Life (Typical)<sup>2</sup>**  
Up to 3500 hours (ECO Mode)  
Up to 2500 hours (Normal Mode)

## **Screen Size: (Projected Distance)**

- 59" – 96" WXGA
- 55" – 85" XGA

**Keystone Correction**

- Vertical:  $\pm 5$  degrees

**Contrast Ratio**

- Up to 2000:1

**Color Reproduction**

- 16.77 million colors

**Sound Output**

- 10W monaural

**Operating Temperature**

- 41 ° to 95 °F (5 ° to 35 °C)

**Power Supply Voltage**

- 100 – 240 V,  $\pm 10\%$ , 50/60 Hz AC

**Power Consumption**

363 W

10 W standby (network on)

0.3 W standby (network off)

Direct power on/off

Instant off

**Dimension**

- **(W x D x H)**  
14.5" x 19.0" x 6.1"

**Weight**

- 14.1 lb with slide plate
- 12.9 lb without slide plate

**Fan Noise**

- 35 dB (Normal Mode)  
28 dB (ECO Mode)

## **Remote Control**

- **Features**  
Source search, power, aspect, color mode, volume, e-zoom, A/V mute, freeze, menu, help, auto, enter, esc
- **Operating Angle**  
**Rear:**  
Right/left: - 55 to +55 degrees  
Upper/lower: +75 to +15 degrees  
**Front:**  
Right/left: - 30 to +30 degrees  
Upper/lower: 0 to +60 degrees
- **Operating Distance**  
19.7 ft (6 m)

## **Control I/O**

### **Input Device**

Digital infrared pen **Security**

Kensington®-style lock provision

Security anchor (metal) bar

Password protection function

## **Include Accessories**

Projector mount

projector template sheet

installation guide

quick users guide

power cable

USB A/B cabl

computer/VGA cable

user manual

interactive driver

interactive software

network software

remote control with batteries

2 X two interactive pens with batteries

PrivateLine support card

Road Service Program

password protection sticker

Three Year Replacement Warranty Required

**Epson BrightLink 450Wi Interactive Projector or equivalent**

Model Offered: [Epson 450WI](#)

**\$1,595.00**

(\* Indicates Internal Stock Numbers)

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**25 Projector, Large Venue**

*Note to the End user*

This is intended for use in large venue locations, such as auditoriums in High Schools. Please order the Lens separately depending on the throw distance and application (In the new HS auditoriums, **Zoom Lens** shall be specified for projection of images 240” dia. from a throw distance of 95’)

**General Description**

Projector , Large venue, multi media, DLP The 6500 lumens projector features a Dual Color Wheel system and their exclusive Active Maintenance Filter with Dual Lamp Interval system , Hi lumen, hi contrast, Wireless HD transmission , Dust-resistant sealed optical engine, 24/7 feature "Lamp interval function"

**Specifications**

**Technology:** DLP  
**Native Res.:** 1080p  
**Brightness:** 6500 ANSI lumens  
**Contrast Ratio:** 7500:1

**Colors:** 16.9 million colors  
**Aspect Ratio:** 16:9

**Compatibility:**  
UXGA/SXGA+/SXGA/WXGA/XGA/SVGA/VGA/MAC, 1080p-  
24/25/30/48/50/60, 1080psf-24/25/30  
1080i-50/60,720p-50/60/575p/480p/575i/480i

**Inputs (Video):** Digital video input x 2 ; DVI-D x 1(HDCP compatible),  
HDMI x 1(Ver 1.3b(Deep color)) , Analog  
VIDEO) RGB input x 1 ; D-sub 15-pin x 1; BNC x 5 (RGBHV,

**Outputs (Video):** D-sub15 x 1(Analog RGB, Y- Pb/Cb-Pr/Cr, VIDEO)  
**Weight:** 43.6 lbs.  
**Dimensions:** 15.75in W 9.55in H 20.61in D

Minimum 3 Years Warranty required, 90 Days on Lamp, Quick Repair Program (QRP)  
 Under Warranty  
 Include: Zoom 1: 18 or equivalent Lens  
**Sanyo PDG-DHT100L or Equivalent**

Model Offered: **Sanyo PDG-DHT100L** **\$16,925.52**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**26 Projector, Multi purpose room**

This is intended for multimedia projection in the Multi purpose room

**General Description**

WXGA Widescreen Networking Multimedia DLP Projector with 4000 Lumen DarkChip2™ DLP® Technology , Cable-free projection with standard Internal wireless connectivity providing a link for both data and video from up to four computers simultaneously  
 contrast 2500:1, 1.6x zoom Lens with vertical and horizontal lens shift , integrated RJ45 connection

**Specifications**

Resolution : Native WXGA (1280 x 800)  
 Maximum Resolution : WUXGA (1920 x 1200)  
**Brightness (Typical):** 4000 ANSI Lumens  
**Contrast Ratio :** 2500:1 (Full On/Full Off)  
**Throw Ratio :** 1.57-2.39:1 (Distance/Width)  
**Image Size (Diagonal):** 23.2" to 295.7" (0.59 to 7.51m)  
**Displayable Colors:** 134.2 Million  
**Aspect Ratio:** 16:10 Native, 16:9 and 4:3 Compatible  
**Keystone Correction:** ±30° Vertical  
**Computer Compatibility:** WUXGA, UXGA, SXGA+, XGA, SVGA, VGA Resized, VESA, PC and Mac Compatible  
**Video Compatibility:** NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)

**I/O Connectors:** HDMI (Audio Supported), DVI-D w/HDCP, Two VGA-In, VGA-Out, S-Video, Composite Video, Two Mini-Jack Audio-In, RCA Audio-In, Mini-Jack Audio-Out, USB, RS-232, RJ45, +12V Trigger

**Projection Lens:** F= 2.41~3.2, f = 22.18~33.27 mm, 1.5x Manual Zoom and Focus

**Lens Shift:** Vertical 105-130% Offset, Horizontal ±30% Image Width at v="105%"

**Projection Method :** Front, Rear, Ceiling Mount, Table Top

**Horizontal Scan Rate:** 15 - 91 kHz

**Vertical Refresh Rate:** 50 - 85 Hz

**Noise Level (STD/Bright):** 30dB/32dB

**Operating Temperature:** 41 - 95°F (5 - 35°C), 80% Max Humidity, Adjustable Fan Speed for High Altitude Application

**Dimensions (W x H x D) :** 14.3" x 5" x 11.1" (364 x 127 x 283mm)

**Weight :** 12 lbs

**Include:**

**Lens**

AC Power Cord, VGA to VGA Cable, USB Cable, RS-232 Cable, Remote Control, Batteries for Remote, Lens Cap, CD-ROM User's Manual, Quick Start Card

**Warranty** 3 Years Optoma Express Replacement Service, 1 Year on Lamp

**Optoma TW766W - Professional Series or equivalent**

Model Offered: **Optoma TW766W** **\$1,444.00**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**27 Projector Screen, Large, Dual vision (Rear/ Front projection)**

*Note to the End user*

This is intended for use in large venue locations, such as auditoriums in High Schools for both front & Rear projection. The screen is mounted at least 16' from the front edge of the stage.

**General Description**

Projector screen, motorized, Dual Vision Finish .Front or Rear Projection, 120V, 60Hz Large Venue tensioned Electric Screen, ceiling suspended, HDTV Format, viewing area 146" X 260", seamless fabrics, automatic thermal overload cutoff to prevent accidental burn-outs. The braking system is designed to eliminate "coasting".  
Single Motor Low Voltage Controller

## **Specifications**

### **Style**

Professional Electrol

### **Front/Rear Projection**

Front or Rear

### **Mount**

Wall or Ceiling

### **Finish**

Dual Vision - flame retardant and mildew resistant fiberglass

### **Tension Control**

Tensioned

### **Image Size**

146 x 260" (3.7 x 6.6 m)

### **Diagonal**

298" (7.6 m)

### **Format**

HDTV

### **Aspect Ratio**

16:9

### **asking Options**

12" of black drop at the top

### **Controls**

120V, 60Hz

### **Integrated Control**

3 position control switch with cover plate

Motor mounted inside the roller with a patented noise silencer  
 Pre-set but adjustable limit switches to automatically stop picture surface in the  
 "up" and "down" positions

**Control Options**

- Single Motor Low Voltage Control (LVC)
- Wireless Remote Control for LVC
- Radio Frequency Remote
- Infrared Remote
- Key Locking Switch Cover Plate for 120V Switch or LVC Switch
- Key Operated Switch for 120V only (Note: Cannot be used with LVC)
- 220V (50Hz) Motor, Video Projector Interface Control - 12V or 5V
- External SCB-100 - RS-232 Serial Control Board
- NET-100 Ethernet-Serial Adapter

**Dalite 35283, professional 298 or equivalent**

Model Offered: **Dalite 35283**     **\$4,634.55**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**28     MONITOR, LCD, 10"**

This is intended for video signal display & monitoring applications.

**General Description**

- 10.2" Widescreen TFT LCD Color Display
- Dual ATSC/NTSC [Tuner](#) for Digital and Standard TV broadcast reception
- Accepts [DTV](#) signals up to 1080i
- AV Input Jacks for use with media players, DVR/VCRs, video games, and more
- 15-pin [VGA Interface](#) for use with Computer Systems
- Full-range [Stereo](#) speakers (6W)
- Digital [Comb Filter](#) and noise reduction
- [V-Chip](#) parental control, Closed-Caption, and Electronic [Program](#) Guide support
- Multi-language on-screen display
- Wall-mountable design (VESA 75mm x 75mm)
- Display Resolution: 800 x 480

Contrast Ratio: 400:1  
 Brightness: 300 cd/m<sup>2</sup>  
[Pixel](#) Response: 30 ms  
 DTV Input Format: 480i, 480p, 720p, 1080i  
 Video System: ATSC/QAM/NTSC  
 Menu Language Support: English, Spanish, French  
 Additional Functions: [MTS](#) (Stereo/SAP/Mono); Sleep Timer  
[Audio](#) Input: RCA Composite Audio; 3.5mm Audio  
 Audio Output: [Integrated](#) Stereo Speakers (6W); 3.5mm Headphone  
 Video Input: Coaxial Antenna; RCA Composite Video; 15-pin [PC](#) VGA  
 Power: Main Unit: AC 100-240V; Remote: 2 x 1.5V "AAA"  
 Unit Dimension (WHD): 12.21" x 12.19" x 5.24"  
 AV Cable  
 Remote Control  
 2 x 1.5V "AAA" Batteries  
 100-240V UL  
**PRODUCT SPECIFICATIONS**  
 Screen Size (Inches/Diagonal) 10"  
 HDTV Capable  
 Screen Format : 16:9 Widescreen TV Imaging  
 Audio Inputs X 2  
 Video Inputs X 3  
 Screen Resolution - Maximum 800x480  
 Contrast Ratio : 400:1  
 Response Time (Milliseconds) : 30  
 Speakers Built-in  
 Coby TF-TV1022 10.2" Widescreen LCD Digital TV/Monitor or latest equivalent

Model offered: [Coby TF-TV1022](#) **\$109.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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## 29 VIDEO VISUALIZER

### General Description

Digital/Video display, scan/ capture 3 D objects,, transparencies, slides, photo films & X-Rays. 5M pixel CMOS sensor with built-in light box, capable of displaying opaque, Full HD 1080p (1920x1080) output resolution Auto Focus, and auto Image, Continuous Capture, Networking, Annotation, Recording, Split-Screen, PIP, Interactive software with Annotation tool, Video & Audio recording, and Networking, Split Screen, Picture-in-Picture, Display Mode, Capture Mode, Flicker

Filter Control, 160X Total Zoom with a minimum of 20 X Optical Zoom,  
SD card slot , On-Screen Display (OSD), Color/ B&W/ Negative/  
Mirror/Freeze

Functions. DVI-I Output, RGB Input/Output, S-Video, Composite Video  
Output, RS-232 Port, USB 2.0 Port, LED Light Source

**Specifications:**

Sensor : 1/2.5", color image sensor C MOS  
Total Pixels 5 Million  
RGB Output Resolution : Full HD 1080p (1920x1080)  
Light source: LED  
Lens : F3.5; f= 6~60mm; Auto Focus  
Zoom optical ; minimum X 20  
Image Adjust. (White Balance & Exposure & Night View)  
Lens: F3.5; f= 6~60mm; Auto Focus  
Focus : Auto/ Manual  
Electronic Image Rotation: 0°/ 90°/180°/270°/360°  
Split screen: Vertical & Horizontal  
Built-in Memory minimum: 50  
SD card slot  
Inputs: VGA(15-Pins D-sub, Pass Through)  
NTSC , S video (PC Camera/ Mass Storage  
Compatible Operating Systems: Windows®, Macintosh®

**Accessories to be included:**

Power Adapter & Cord  
VGA Cable  
S-Video Cable  
USB Cable  
RCA Cable  
Remote Control with Batteries  
User Manual  
Software for annotation tools  
Aver vision SPB 350 or **latest** equivalent

Model Offered: [Aver vision SPB 350](#)     **\$974.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**30            OVERHEAD PROJECTOR**

**General Description**

120V single phase, ENX projection lamp, 4300 lumens light output,

lamp changer; aperture to be 10" x 10" with a 12.5" projection lens. Closed head. Unit must contain overheating cut-off device and built in safety interlock switch; power cord to be no less than 15 feet long; angle adjustment for head to be 30 degrees or more. Closed size and weight to be no more than 13" wide, 18.5 " long, 8" high and 14 lb. Unit to include side brackets and roll. 3M 1825 or latest equivalent.

Model Offered: **3M 1825 \$179.98**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**31 CATV sub channel upstream link (T9-T13)**

**General Description**

This system consists of a modulator, processor and two diplexers, as listed in the table below to constitute an upstream link to the head end. This is to send signals from a remote location such as Auditorium, classroom, sports field etc. The modulator with sub channel output module option 4 shall be installed at the transmitting end. One diplexer is also used at this location. The processor with optional module 17 for sub channel input is for use at the Head end along with a diplexer.

ITEM DESCRIPTION	TYPICAL MAKE /MODEL	QTY
Modulator, frequency Agile, with sub band channel output	<b>AM-60-550 w. option 4</b>	1
Processor Sub channel input to CATV channel	Ap-60-550 w. option 17	1
Diplexer	DSV-42	2

Minimum 1 Year Parts & Labor Warranty required.

**Blonder tongue brand or latest equivalent**

Model Offered: **Blonder tongue \$1,855.66**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**32 EDITING CONSOLE FOR PRODUCTION/EDITING SYSTEM**

The console is intended for installation of video & audio equipment. 3-bay all in one editing console for use with the video production system, monitors, VCR Editing system; Shelves adjust for operator's comfort; Overall dimensions are 33 1/4"H x 72"W x 28"D; Console will be composed from the following components:

1 ea. Winsted E4103 3-bay open console or latest equivalent

5 ea. 41583CR shelf or latest equivalent

**VENDOR MUST FULLY ASSEMBLE CONSOLE AND PLACE IN AREA DESIGNATED.**

Model Offered: **No Award**

**33 LECTERN/PODIUM, TWO PIECE**

**General Description**

This is intended for use in conference rooms and small auditoriums. free standing, detachable top for use as a table top lectern provision for accessory storage in the bottom half, on floor glides with casters. Available in oak or walnut finish, One year warranty. **Luxor LX-100** Two Piece Lectern or latest equivalent

Model Offered: **Luxor LX-100 \$749.98**

**34 HANDHELD MICROPHONE**

Omni directional dynamic type with 80 - 13K Hz response, impedance 150 ohms, to include: 25' cable, A3F connector, and 312A clamp. Electro-Voice Model 635A w/25' XLR cable or latest equivalent.

Model Offered: **Electro-Voice Model 635A \$98.06**

**35 PZM MICROPHONE**

Frequency response 20 - 18,000 HZ; 600 ohm impedance; 2,000 hour life with one AA battery; 16 feet of cable; 1/4" phone connector. Crown Sound Grabber 2 or latest equivalent

Model Offered: [Crown Sound Grabber](#) **\$51.00**

**36 (LAVALIERE MICROPHONE WITH 25' CABLE**

Miniature dynamic microphone; Omni directional pickup pattern; Lo Z; XLR-3-M connector; To include a 25' M to F XLR microphone extension cable. Shure SM11-CN W/Microphone Cable or latest equivalent

Model Offered: [Shure SM-11CN](#) **\$92.20**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**37 WIRELESS MICROPHONE SYSTEM RECEIVER**

**General Description**

True-diversity; dbx noise reduction; 10 channels; A/B channel LED indicator for diversity monitoring; Independent channel mute controls for the dual antennas; Power on/off LED; Volume control; External AC power supply; 12 VDC compatible; to include RM-1 rack-mount accessory; 30 Hz to 16 KHz ±3dB; -20 dBm volume adjustable, 0 dB max.; 5 K Ohms; Signal to noise better than 100 dB; 15dB/Microvolt = S/N 60 dB; 10.7 MHz IF; THD less than .5% at 1 KHz. To include the following:

**BELT PACK TRANSMITTER:**

Compact, streamlined body pack transmitter; Strategically located mute on/off switch; Power on/off switch located on side of unit; 6-pin input jack; Battery level indicator; Wire transmitter antenna; Easy-grip battery compartment lid; 174-216 MHz FM crystal controlled; 50 milli watts 50 Ohms; 300 foot range; 15 KHz modulation at -10 dBv input; 9 volt battery, approx. 5-6 hours; 4.3 oz; to include P-6 microphone connector with Shure SM-11 microphone installed. Samson SW4R00

Receiver, P-6 connector installed on a Shure SM-11 and CT3L  
Belt Pack Transmitter or latest equivalent.

Model Offered: [Shure SM-11 and CT3L](#) **\$290.00**

(\* Indicates Internal Stock Numbers)

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**38 MICROPHONE/LINE MIXER**

**General Description**

This is intended for multiple audio source mixing as in video production, small scale events. 6 Mono balanced XLR microphone/ 1/4-inch line inputs; balanced 1/4-inch stereo line inputs; 2 Aux sends per channel; 3-bands of EQ on each input; 48-volt phantom power for condenser microphones; built-in power supply; 60mm log-taper faders; Outputs: Stereo XLR balanced switchable from +4dBu to microphone level, 1/4-inch balanced, 2 1/4-inch balanced auxiliary sends, 1/4-inch balanced stereo control room outputs, Stereo RCA tape outputs, Multi-input source matrix; 3-year parts and labor warranty.

**Mackie 1402-VLZ PRO** or latest equivalent.

Model Offered: [Mackie 1402-VLZ PRO](#) **\$337.00**

(\* Indicates Internal Stock Numbers)

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**39 LIGHT KIT, LED**

**General Description**

This is intended for location lighting needs in studio & remote video productions. Light weight. Low heat low power, LED lighting kit, each of the LED lights with 30 degree beam angle lens shock proof construction offering bright light in a small form factor operating on 12v DC or with the included AC adapter drawing >50 watts of electrical power causing virtually no heat radiation, built-in full continuous dimmer

**Consisting of:**  
 3 X 500 W Led light fixtures  
 3X 8' stands  
 Carrying bags  
 1 X Lighting DVD  
 AC adapter for each

**Specifications:**

Size: 14"W/7.5"H/4.0"D  
 Weight: 6 lbs  
 Power Draw: 50 Watts  
 Hot Light Equivalent: 500 Watts  
 Voltage: 12v DC, 100-240v AC 50/60hz  
 CRI: >90  
 Color Temperature: 5400 +/- 5%  
 Mounting: Horizontal/Vertical 5/8"  
 500 LEDs - 500W Output  
 Ultra Bright 5400K LED's  
 Runs on 12v or 100-240 AC  
 Included 12v AC Adapter  
 Pro Quality 4 Pin XLR Power  
 Power consumption 50W  
 High CRI  
 Adjustable Output  
 Image west model KIT/LED-1500: 1500 Watt LED 3  
 Light Kit or latest equivalent.

Model Offered: **Flolight KH/LED-1500 \$1,350.00**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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40 **PORTABLE HAND HELD DIGITAL STILL CAMERA, WITH ACCESSORIES**

**General Description**

This is intended for digital still photography. 12.3 Megapixel, DX Format CMOS Sensor, 3" VGA LCD Display, Live View, Self-Cleaning Sensor, D-Movie Mode, High Sensitivity (ISO 3200), 4.5 fps Burst, In-Camera Image Editing, GPS geo-tagging, Includes: 4GB Professional SD Memory Card, camera bag, Battery Charger UC-E4 USB Cable, EG-D2 Audio/Video Cable, AN-DC1 Neck Strap, BM-10 LCD Monitor Cover, BF-1A Body Cap, DK-5 Eyepiece Cap, DK-21 Rubber Eyecup, BS-1 Accessory Shoe Cap, Nikon Software Suite CD-ROM, User Guides, 3 year warranty. **Nikon D90 12.3 MP Digital SLR Camera Body or latest equivalent**

Model Offered: **Nikon D90 12.3 MP \$799.90**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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41 **Bulletin Board/Messaging/Alert Digital Signage System**

This device is intended for use in schools for displaying school related messages, notices, reminders, upcoming events, emergency alerts etc on TV Channel.

**General Description**

Compact, stand-alone High-Performance, Low-Cost Video Graphics and Information, Alert System for Public-space Television, Video Displays, CATV and CCTV Surveillance Systems to create graphic and text pages using standard applications or supplied templates  
Squeeze and position live video window, including dynamic transitions  
Dynamic broadcast quality effects such as text pushes, fades and crawls  
Animated Text, Graphics and Logos using GIF, AVI, TGA,  
Multiple text and graphic zones may be independently sized and positioned  
Play audio WAV files with incoming audio page scheduling, including looping durations, specific day, date and time, Ethernet connectivity and remote accessibility, capable of external data interfaces for real-time data updates  
such as news, sports, and weather. Rack mounted.  
**Chyron ChyTV-IP-N** or Latest equivalent

Model Offered: **Chyron ChyTV-IP-N \$1,500.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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42 **WALL MOUNT FOR FLAT PANEL DISPLAY**

**Note to the End user:**

(Please provide the brand/model number of the Flat panel while ordering1)

**General Description**

Multi-configurable mount with a single arm, double arm articulating or near flush mount, ability to configure the mount into several different mounting styles. accommodate nearly every wall mount application, to hold most 10" - 21" LCD monitors, Accommodates monitors with 75 or 100mm VESA standards, Adjustable tilt -5 to +10 degrees, Mount rotates 240 degrees at monitor, 160 degrees at the wall, and 240 degrees

at the elbow joint (double arm configuration) , Feed through wall plate with decorative cover, Load capacity 25 lbs. Total extension with both arms joined is 14.25". **Luxor LLMSW - Universal LCD Monitor Wall Mount** or latest equivalent

Model Offered: **Luxor LLMSW \$46.61**

**43 TELEVISION WALL MOUNT WITH VCR SHELF**

**Note to the End user:**

(Please provide the brand/model number of the Flat panel while ordering1)

**General Description**

Heavy gauge steel tube construction (16 gauge); Arc-welded joints; Triple-stud wall mounting; Steel stabilizer brackets; Swivel and tilt adjustments; Handles 19” to 31” diagonal TV; Video player mount and security locks included; 300 lb. load capacity. Assembly & Installation required!

**Advance WMY-2134 w/VP-2, TVM-LK and VP-LK** or latest equivalent.

Model Offered: **Advance WMY-2134 w/VP-2, TVM-LK and VP-LK \$199.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**44 TELEVISION WALL MOUNT (WITHOUT VCR MOUNT)**

**Note to the End user:**

(Please provide the brand/model number of the Flat panel while ordering1)

Heavy gauge steel tube construction (16 gauge); Arc-welded joints; Triple-stud wall mounting; Steel stabilizer brackets; Swivel and tilt adjustments; Handles 19” to 31” diagonal TV; 300 lb. load capacity. Assembly & Installation required!

**Advance WMY-2134 w/TVM-LK** or latest equivalent.

Model Offered: **Advance WMY-2134 w/TVM-LK \$183.00**

(\* ) Indicates Internal Stock Numbers

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NO.	DESCRIPTION	QTY.	PRICE	PRICE
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**45 WALL MOUNT FOR LCD PANEL DISPLAY  
(Medium size)**

**Note to the End user:**

(Please provide the brand/model number of the Flat panel while ordering1)  
This is for mounting medium sized Flat Panel Displays to walls.  
Cantilever design, allowing large LCD's (30"-40") to store flat against wall or pullout via an articulating arm, Mount extends from wall and allows TV to be rotated. Max load - 80 lbs. , VESA 75/100/200 (200mm x 100mm) /400 (200mm x 200mm) compliant, Arm length: wall to hinge is 13.5"; hinge to TV is 8.5" ,Wall plate dimensions: 14.75" H X 1.75" W , Arm extends 25" from wall ,Depth of mount is 3.75" when retracted , 25 degree up/down tilt, controlled with tension screws. Note: provide suitable adapter plate for the specified LCD Screen **OmniMount FP-CL - Large LCD Cantilever Mount** or Latest equivalent

Model Offered: **OmniMount FP-CL**    **\$119.98**

**46 TV WALL MOUNT, UNIVERSAL,  
CANTILEVER FOR LCD (LARGE SIZE)**

**Note to the End user:**

(Please provide the brand/model number of the Flat panel while ordering1)  
This is for mounting large Flat Panel Displays to walls.  
(Order mount to the specific LCD display size, make & Model)  
Note: Verify the part is suitable for the make and model

VESA Compatible, Safely designed to be mounted in public places, Made of durable materials such as steel and anodized aluminum alloys. Strong enough to support the specified weight of the FDD with sufficient 'margin of safety', support minimum 148 lbs. mounting supports too be finished finished with a strong, smooth and environment-friendly ABS or polyamide (PA) epoxy coating. compliant with the TUV/GS quality standards, which include product exposure to three times the admissible load for consumer products and up to five times the admissible load for products in the professional range, three pivoting points, Universal adapter with auto lock system, suitable for Screen size range: 40-65 inches with fittings, decorative caps, installation instructions

and a unique five-year guarantee. Vogels Evolution Series Triple Pivot Plasma/LCD Wall Mount (Vesa) EFW-2010 or latest equivalent

Model Offered: [Vogels EFW-2010](#) **\$264.98**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**47 MOBILE CART FOR LCD DISPLAY, 60” HEIGHT**

**Note to the End user:**

(Please provide the brand/model number of the Flat panel while ordering1)  
 This is intended for mounting Flat Panel Displays in a mobile environment. Q-Latch Mounting System, pitch adjustable mobile cart with total lock casters to prevent accidental movement of the screen. Height adjustable, allows installation in landscape/portrait views, Height adjustable ,Pitch adjustment 5° up & 15° down, Four 4" swivel casters , Two with total-lock brakes, Two 2" diameter chrome posts , Allows 2° roll adjustment right & left for screen leveling Optional Accessory shelves, One 13" x 13" swivel shelf , 18" x 22" attaches to both posts, tilt wall mount, Requires all items needed for safe mounting and portability of the FDD. **Chief's PTC-CART Mobile Cart** or latest equivalent.

Model Offered: [Chief's PTC-CART](#) **\$430.00**

**48 MOBILE CART FOR LCD DISPLAY – 60” HEIGHT**

**Note to the End user:**

(Please provide the brand/model number of the Flat panel while ordering1)  
 Modular design, lightweight, collapsible design to meet a wide range of applications and support weight up to 200 lbs. telescoping height-adjustment mechanism, integrated cable management, Telescoping display height adjustment (4 ft - 6 ft), Smooth rolling casters (2 locking casters), Integrated cable management pathways, Centris™ mechanism for fingertip tilt adjustments. Lightweight aluminum construction, Must supports portrait/ landscape display orientation, facility to rotate without removing the screen, facility to support up to three optional adjustable-height shelves, Weight capacity: 200 lbs . Includes custom Chief Manufacturing PSB Custom Interface

Bracket Kit for Panasonic Viera TH-65PZ850U 65" Plasma TV.  
 Chief PFC-2000 Flat Panel Display Mobile Cart or latest equivalent

Model Offered: **Chief PFC-2000** \$490.00

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**49 AV PRESENTATION CART**

**General Description**

This mobile cart may be used to place video projector for presentation in locations. AV Presentation Cart , Height adjustable from 14 inches to 39 1/2 inches 3 sturdy 18"W adjustable, heavy-duty 3" casters ( at least 2 locking), Grommets to keep cords managed between Shelves, Top shelf to hold projector measuring a minimum 8"W x 16"D; lap top shelf size 18"W x 14"D, bottom shelf - 18"W x 18"D.

**Balt AV Cart with Adjustable Height Shelf** or latest equivalent  
**Assembly required by Vendor.**

Model Offered: **Balt 89768** \$193.00

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**50 SCAN CONVERTER**

**General Description**

This item is intended for converting computer signals in to video and to interface to the video production switcher. PC-to-TV video scan converter, supporting resolutions of up to 1600x1280, in 24-bit color, both Mac and PC compatible, supporting NTSC, PAL, and SCART outputs, complete with a remote for pan, zoom, sharpness, highlight, spotlight, and pointer capabilities.

**TView Gold** or latest equivalent

Model Offered: **TView Gold \$153.00**

**51 CHROMAKEY BACKDROP**

This is intended for use in TV studio as a chroma key background Green Screen Chrom Key 10'x12' with LastoLite's Background Supports #314. **LastoLite LC5781 or latest equivalent**

Model Offered: **LastoLite LC5781 \$113.00**

**52 A/V CART**

This cart may be used in classrooms to install A/V items of equipment. A/V cart, wooden presentation center with locking storage for AV equipment and supplies, Equipped with convenient roll bar and two 5" casters for portability. Retractable shelf for use with laptop and presentation materials. Includes 2 shelves, middle shelf adjusts up or down 3" in three positions. Storage drawer 17-1/4"W x 11"D x 8"H. 23-1/2"W x 17"D x 41-1/2" H

over all. Shipping wt: 78 lbs;

**Mobile Media Center, Model No. Y3666 or latest equivalent**

Model Offered: **Balt ROLZ 2 \$395.69**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**53 TELEPROMPTER SYSTEM**

**General Description**

This device is intended for prompting talents and is used in TV Studio Production. Teleprompter, LCD, 11", with mounting accessories and software DV-9 7.2" Active Matrix LCD Color Display, DV-11 9.0" Active Matrix LCD Color Display, Composite RCA input 12V power, AC adapter, Flips image horizontally and vertically Two video inputs, one mono audio input ,Wireless remote control, 16:9, 4:3 under scan, over scan selectable. PC teleprompter software , Designed for 1 & 3 chip MiniDV included, LCD monitor reverses text, Composite Video Input wireless support, 4:3 or 16:9 monitor, pending mirror assembly with 60/40 beam splitter, accepting any text file from all popular word processing

packages including Microsoft Word. Scroll control by the mouse or the optional wireless controller. **DV-11 Prompter** or **latest** equivalent

Model Offered: **Prompter People Flex-11** **\$1,125.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**54 DISK RECORDER**

**General Description**

This device is intended for multi track recording and playback in Music/Instrument music rooms. Digital Multitrack Recorder, 8 track simultaneous recording/16 track Playback digital workstation fully functional control surfaces with integrated hard drive and high-speed on-board CD burner to record , upload tracks to computer, 8-track of simultaneous recording with 160 V-takes & 16-track of playback 8 balanced XLR-1/4 inch phone combo inputs with phantom power 16-bit/44.1 kHz linear PCM recording in WAV format, Over 100 effects for guitar/bass/vocal recording, mixing, and mastering Drum/Bass machine with touch-sensitive pads and 500 drum sounds, Built-in CD-R/RW drive and 80 GB HD, Control Surface function for DAW software, Bundled with Steinberg Cubase LE, Sampler function lets you add original drum sounds to Drum Kit, Expanded sampling memory to 60 seconds, Built-in USB 2.0 interface, Meter-bridge features easily viewable 5-segment LED level meters

**Zoom HD16CD Multi track Recording package** or **latest** equivalent

Model Offered: **Zoom HD 16CD** **\$562.00**

**55 MULTI TRACK DVD RECORDER/MIXER FOR HS**

**General Description**

This is intended for multi track recording for music recording applications 16-track digital recording, high speed CD burning, software enhancements, featuring a total of 16 tracks plus 8 virtual tracks. 40GB internal HD, non-destructive editing with waveform display and zoom feature for precise waveform editing, digital mixing, minimum 3-band EQ with parametric mid and high on all 16 channels, master EQ, channel and master compressors, eight mic inputs (two with XLR, insert and phantom power), ADAT optical I/O, minimum two effect sends and two aux sends per channel (switchable pre/post), and Scene Memory, at least two multi-effect DSPs, Internal CD-R/RW drive. Fader Pairing allowing channels be paired or ganged

in stereo sets , Channel Solo, BPM Delay, Internal E-IDE 3.5 in. hard disk recording medium, Recording format: FDMS-3 (Fostex Disk Management System-3 ver. 1), Sampling frequency: 44.1kHz, Quantization: 16bit linear (non compressed), ADC: 20bit 64-time over sampling Delta/Sigma, DAC: 24bit 128-time over sampling Delta/Sigma Frequency response: 20Hz – 20kHz, Dynamic range: 88dB or more T.H.D: 0.01% (typical), Crosstalk: 60dB or more @1kHz Latest equivalentizer: - 400Hz +/- 18dB (Shelving) 500Hz – 20.2kHz +/-18dB (Parametric) 500Hz – 20.2kHz +/-18dB (Parametric, Shelving) Inputs Level: -50dBV (mic) - +2dBV (line), variable -Impedance : 50k ohm or more Insert x 2, Monitor Out (L, R), Headphone, AUX Send (1/2): Stereo Out (L, R), Footswitch, Digital In/Out , MIDI: In/Out.  
**Fostex VF160EX** Multitrack Digital Recorder with CD Burner and Effects and Carry Bag Or **Latest** equivalent.

Model Offered: **Tascam 2488NEO** **\$629.00**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**56 USB / MIDI audio Interface**

**Note to the End User**

This is intended for use for the music department and for post production music sweetening, This may be used in conjunction with any popular music software programs such as the Protocols listed below.

**General Description**

PC /MAC Compatible, High-speed USB 2.0 interface, simultaneous 8 x 8 24-bit/96kHz audio DSP technology, flexible channel routing, monitor sub-mixing and effects processing

Preamps M-Audio Octane™ technology, premium input circuitry compatible with Mac and PC, Compatible with all ASIO- and Core Audio-based applications

high-speed USB 2.0 connectivity, MX Core™ DSP mixer and four preamps with Octane™ technology. Featuring both analog and digital I/O, recording on all eight channels simultaneously with 24-bit/96kHz fidelity, processes eight hardware inputs and eight software returns to the eight hardware outputs, delivering flexible routing and monitoring with delay and reverb. Compatible with most major audio software

Built-in Effects Processing , Dual Headphone Amp , reverb and delay on the headphone outputs

six channels of analog inputs and outputs plus 2-channel digital S/PDIF I/O

The robust MX Core™ mixer employs an array of eight individual DSP cores to deliver near-zero latency and a matrix for sophisticated channel routing options

low-noise, high-gain preamplification

+48V phantom power for condenser mics, signal/peak LED indicator lights, gain control

Bundled software

### **M-Audio Fast Track Ultra 8 X 8 High Speed USB 2.0 Interface with MX Core DSP Technology or equivalent**

Model Offered: **M Audio Fast track Ultra** **\$296.47**

## **57 Music Software**

### **General Description**

PC /MAC Compatible, industry standard in audio/MIDI production software

simple and intuitive interface

session compatibility with all current Pro Tools systems > create anywhere, anytime

hardware compatible with dozens of M-Audio interfaces > flexible options

industry-standard audio/MIDI production environment > know one Pro Tools

system, know them all

easy to learn and use > make better music faster

expands the power of your current hardware interface, allowing you to work with up to 48 mono or stereo audio tracks.

Professional Recording, Editing and Mixing

effortlessly manipulate or correct the pitch of any audio region in real time, right

inside the Edit window

Containing music creation and sound processing plug-ins

integrated MIDI sequencer and editor allow you to record, edit, and mix up to 256 MIDI tracks

Scoring Music based on Sibelius notation engine, Score Editor to view, edit, arrange and print MIDI data as music notation, Transcribe MIDI parts in real time. Print out a score in its entirety or print only certain instrumental parts, export sessions,

Looping Tools

Allowing use of Third party audio Suite plug-ins

array of new MIDI tools to streamline production with both virtual and traditional instruments.

MIDI Editor windows displaying MIDI and automation data for Instrument, MIDI and Auxiliary Input tracks

multiple Automation and Controller lanes.

support for files up to 4GB

**Pro Tools M-Powered 8 or latest equivalent**

Model offered: **M-Audio \$134.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**58 CHARACTER GENERATOR, TV STUDIO Production**

**General Description**

This is used for basic titling applications for TV productions. Stand alone, Titler and character generator display, insert text over video, display titles, lower third, crawl, roll, etc internally generated colour backgrounds and superimpose over any external NTSC video source. For live& post video production applications, Different font & text color selections, text positioning, editing functions required. To include:

- All required software
- Character Generator
- AT101 Computer Keyboard (KB)
- Two 6 Ft BNC|RCA Cables (BNC|RCA)
- Standard Power Cable (SPC#1)
- Owners Manual (VM-OM)
- 90 days phone support
- One Year Warrant

**Video Messenger model VM-3 or Latest equivalent**

Model Offered: **VM-3 \$544.00**

**59 MICROPHONE**

Mic, hand-held, dynamic, Cardioid (unidirectional) dynamic, Frequency response: 40 to 15,000 Hz, 3-pin professional audio connector (male XLR type)

With accessories Swivel Adapter, 25' Mic cable, Storage Bag. Shure SM57

Cardioid Dynamic Microphone or latest equivalent

Model Offered: **Shure Sm 57 \$81.10**

**60 DVD PLAYER**

**General Description**

Progressive scan DVD, DivX playback: compatible with CD, CD-R/CD-RW, Video CD/SVCD, DVD, DivX, DVD+R/+RW, DVD-R/-RW DivX, DivX Ultra Video & CD, MP3-CD, MP3-DVD, CD-R/RW, WMA-CD-R/W formats. 12-bit video processing, 24-bit, 192KHz sampling resolution, Composite, A/V Component Video, HDMI, Digital Coaxial

One year warranty. Philips DVP5960 or latest equivalent

Model Offered: **Sony DVPSRZWP/B \$41.00**

(\* Indicates Internal Stock Numbers)

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**61 VIDEO ADAPTER KIT**

This is for interfacing different types of Video connectors. Containing items including but not limited to the below listed popular video interfaces and adapters

- 3) BNC Plug to UHF Jack
- 1) Phono Jack to Jack (Barrel)
- 3) BNC Jack to UHF Plug
- 4) Phono Plug to BNC Jack
- 2) BNC Jack, Plug, Jack (T)

- 1) Phono Plug to UHF Jack
- 2) BNC Jack to Jack (Barrel)
- 1) Phono Plug to 'F' Jack
- 2) 'F' Jack to Jack Barrel
- 4) Phono Jack to BNC Plug
- 2) BNC 751/2 Terminator
- 1) Phono Jack to UHF Plug
- 1) BNC Jack, Jack, Jack (T)
- 1) Phono Jack to 'F' Plug
- 1) BNC Plug to Plug, Barrel
- 1) 'F' 751/2 Terminator
- 1) BNC Jack to Plug (Rt. Angle)
- 1) S-VHS Female Barrel

Model Offered: **VKIT-1** \$42.00

## 62 AUDIO ADAPTER KIT

This is for interfacing different types of audio connectors. Containing items including but not limited to the below listed popular audio interfaces and adapters

- 3) 3.5mm Mini Male to RCA Phono Female
- 2) 1/4" Standard Phone Female to Female (Barrel)
- 3) 3.5mm Mini Male to Standard Phone Female
- 1) RCA Phono Male to 3 Pin XLR Female
- 3) RCA Phono Male to Mini Female
- 1) 1/4" Standard Phone Male to 3 Pin XLR Female
- 3) RCA Phono Female to Female, Barrel
- 1) 3 Pin XLR Male to RCA Phono Female
- 2) RCA Phono Male to 1/4" Standard Phone Female
- 1) 3 Pin XLR Male to 1/4" Standard Phone Female
- 2) 3.5mm Mini Female to Female, Barrel
- 1) 3 Pin XLR Male to Male, Barrel
- 2) 1/4" Standard Phone Male to RCA Phono Female
- 1) 3 Pin XLR Female to Female, Barrel
- 2) 1/4" Standard Phone Male to 3.5mm Mini Female
- 1) Firewire 4 pin to 6 pin
- 1) Firewire 6 pin to 6 pin

Model Offered: **AKIT-1** \$42.00

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**63            SCREEN - TRIPOD – LENTICULAR**  
70" x 70" flat white surface, mildew and flame proof,  
tensioning device, spring roller, adjustable height, and  
metal case. Bretford 3770 or latest equivalent.

Model Offered: **Buhl TPS-T70    \$70.00**

**64            SCREEN - GLASS BEADED**

9' x 12', spring roller wall and ceiling type enclosed in a rigid  
metal case with brackets. Flame and mildew resistant. No border.  
Draper Luma 2 or latest equivalent.

Model Offered: **Draper Luma 2    \$469.00**

**65            SCREEN - WALL TYPE (CLASSROOM)**  
96" x 96" matte white surface, mildew and flame proof,  
spring roller, with safety roller lock enclosed in metal case.  
Dalite or latest equivalent.

Model Offered: **Dalite 96 X 96 M/W    \$112.45**

**66            PORTABLE CASSETTE RECORDER/PLAYER  
WITH LISTENING CENTER**

Unit must have permanently attached 3 wire power cord with  
storage compartment, power output of 10 watts, must contain 6  
headphone jacks each 1/4 inch monaural type, must have built-in  
condenser microphone as well as 1/4 inch input jack for external  
microphone, auxiliary input and speaker output.  
Califone 5270AV w/4805A hand held microphone or latest equivalent.

Model Offered: **Califone 5272 AV w/4805A    \$76.10**

**67            LISTENING POST (JACK BOXES)**

Must contain eight (8) 1/4" standard phone jacks for headsets,  
and one (1) 1/4" standard phone jack for connecting additional  
listening posts. Box must be made of plastic and measure  
3-3/4" x 6-1/4" x 2". With coiled cord. Permanently attached.  
UL Approved. Avedex or latest equivalent

Mode Offered: **Califone 1209 AV/PY \$6.94**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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68 **COMBO CASSETTE RECORDER AND CD PLAYER**

**General Description**

This is mainly intended for use in auditorium, TV studio and other professional applications. Professional CD/cassette player, MP3 playback from CD capability, Individual outputs for CD, cassette, and CD plus cassette, Fader start on both CD and cassette decks, Pitch control, Single-track play possibility, Auto cue after track selection Digital SPDIF cinch output, Dolby B/C and HX-pro noise reduction Automatic and manual record level, 2 microphone inputs, Digital tape counter with memory, Quick reverse with optical sensing, Professional control buttons, 6.3mm headphone output with source selector, CD synchro recording and dubbing, CD dubbing searches for CD peak level and automatically adjusts record level, Continuous rec/play via cascading connection, One Year Warranty.

**Marantz PMD351 CD & Cassette  
Combo Deck or latest equivalent**

Model Offered: **Marantz PMD 351 \$563.98**

69 **COMBO CASSETTE RECORDER & CD PLAYER**

**General Description**

This is mainly intended for use in classroom audio playback Applications, Combo CD Player/Audio Tape Recorder/Player , 7 Watts RMS (T.H.D. 10%) speaker amplifier , 1/4" stereo phone jacks x 5, Aux input (mini x Records audio tapes directly from CD's. Vibration & skip resistance CD deck. Left & right balance control. Built-in Listening Center with 5 headset jacks. Audio Deck: Record, play, review, cue/fast forward, pause, stop, eject. CD Deck: Play, stop/clear, skip. Automatic Record level control (ALC), built in Speaker & Headphone jacks. Specifications: Amplifier : 7 Watts RMS (per channel), (D.H.T. 5%)  
Frequency Response: 125Hz ~ 8KHz

Signal To Noise Ratio: 45 dB

**Eiki7070ACDPlayer&Tape Player/Recorder** or latest equivalent

Model Offered: **Eiki 8080**    **\$214.00**

(\* Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**70        27" LAMINATOR**

**General Description**

25 to 27" laminating width; Pre-set 5.5'/minute speed and pressure; Spring loaded adjustable tension on laminating and pull rollers; Adjustable tension on both upper and lower supply rolls; External thermometer; Accommodation for 1000' rolls (.0015" plastic); Adjustable feed guides; Teflon coated heat shoes; Separate heat shoe and heating element; Adjustable temperature; Constant heat recovery; Maximum temperature stop; Manual; Heavy-duty chain and sprocket drive; Interchangeable laminating and pull rollers made of top-grade silicone rubber; Serrated edge for trimming; 15" x 32" x 20"; 63 lb.; 2300 watts.

One Year Warranty.

**Dry-Lan Model 25** or latest equivalent

Model Offered: **DryLan 25 (LPE6510)**    **\$1,369.95**

(\* Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**71        P2 Memory Card**

**Note to the End user**

This is intended for use with P2 compatible Panasonic Cameras and replaces the tape media.

**General Description**

P2 memory card, 16GB E-Series P2 Card featuring memory technology, high transfer speeds, reusable compatible with the entire line of P2 products.

## Specifications

Capacity  
16GB

### Maximum Record Time

16 minutes in DVCPRO HD or AVC-Intra 100  
20 minutes in AVC-Intra at 1080/24p Native  
40 minutes in DVCPRO HD or AVC-Intra 100 at 720/24p Native  
32 minutes in DVCPRO50 or AVC-Intra 50  
64 minutes in DVCPRO

Compatible Cameras  
P2HD Cameras and Players

Panasonic E-Series AJ-P2E016XG

Model Offered: **Panasonic AJ-P2E 16 XG \$375.00**

- 72 DVC PRO VIDEOCASSETTE STUDIO**  
**64 MINUTE** – Large size, 64 minute DVC Pro videocassette. Panasonic AJ-P64L or latest equivalent.

Model Offered: **Panasonic AJ-P66M \$15.00**

- 73 DVC PRO VIDEOCASSETTE STUDIO**  
**126 MINUTE** – Large size, 126 minute DVC Pro videocassette. **Panasonic AJ-P126L** or latest equivalent.

Model Offered: **Panasonic AJ-P126L \$22.00**

- 74 DVC PRO VIDEOCASSETTE**  
**CAMCORDER 66 MINUTE - Medium**

Medium size 66 minute DVC Pro videocassette.  
**Fuji DVCPRO 66M** or latest equivalent.

Model Offered: **Fuji DVCPRO 66M \$13.93**

**75 DVC PRO VIDEOCASSETTE CLEANING TAPE**

**LARGE SIZE** - DVC Pro head cleaning videocassette.  
**Panasonic AJ-CL12L** or latest equivalent.

Model Offered: **Panasonic AJ-CL 121 \$25.73**

**76 DVC PRO VIDEOCASSETTE CLEANING TAPE**

**MEDIUM SIZE** - DVC Pro head cleaning videocassette.  
**Panasonic AJ-CL12M** or latest equivalent.

Model Offered: **Panasonic AJ-CL12M \$16.78**

**77 S-VHS VIDEOTAPE, 182 MINUTE.**

182 minute S-VHS, back coated, broadcast quality videocassette.  
**Maxell ST-182BQ** or latest equivalent.

Model Offered: **Maxell ST-128BQ \$13.98**

**78 S-VHS VIDEOTAPE, 126 MINUTE.**

126-minute S-VHS, back coated, broadcast quality videocassette.  
**Maxell ST-126BQ** or latest equivalent.

Model Offered: **Maxell ST-126BQ \$8.98**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**79 MINI DV VIDEOTAPE, 63 MINUTE.**

63-minute MiniDV videotape cassette, back coated, broadcast quality videocassette.  
**Panasonic DVM63** or latest equivalent.

Model Offered: **Panasonic AYDYM 63PQ** \$2.33

**80 DV VIDEO CASSETTE VIDEOTAPE, 124 MINUTE**

124-minute DV digital videocassette, back coated, broadcast quality videocassette. **Panasonic AY-DV124MQ** or latest equivalent.

Model Offered: **Panasonic AYMDV124AMQ** \$12.10

**81 CONSUMER DV MINI PLASTIC CASE, 60 MINUTE.**

Linear Plus technology. featuringDiamond-like, carbon-coated thin film for durability and reduced tape friction.

**Panasonic AYDVM60** or latest equivalent

Model Offered: **JVC MDC60DV** \$1.50

**82 PERSONAL STEREO AUDIO HEADPHONES**

Stereo headphones for use with audio components. Lightweight, adjustable headband for comfort of any student k-12. Replaceable foam ear cushions that keep unit comfortable and easy to clean. Two meter cord with 1/8" plug and a 1/4" adapter. Unit should include a re-closeable bag that when sealed kills lice in 24-48 hours without the use of chemicals and also gives students a place to write their names. Hamilton Electronics model HA2/MS-2F as above or latest equivalent

Model Offered: **Hamilton HA-2M** \$2.75

**83 PERSONAL AUDIO STEREO HEADPHONE CLASS/LAB PACK (24 per kit)**

**General Description**

Class/Lab pack includes 24 headphones with re-closeable bags, and a durable lockable carrying case capable of holding thirty-four headphones. Stereo headphones for use with audio components. Lightweight, adjustable headband for comfort of any student k-12. Replaceable foam ear cushions that keep unit comfortable and easy

to clean. Two meter cord with 1/8" plug and a 1/4" adapter. Unit should include a re-closeable bag that when sealed kills lice in 24-48 hours without the use of chemicals and also gives students a place to write their names. Hamilton Electronics model LCP/24/HA2 or latest equivalent

Model Offered: **Hamilton LCP/24/HPZ \$60.00**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**84 PERSONAL AUDIO STEREO HEADPHONE**

**REFRESH KIT**

Refresh kit for Hamilton Electronics model HA2/MS-2f Headphones, Kit includes a new re-closeable storage bag and a pair of new ear cushions. Hamilton Electronics #5076 or latest equivalent

Model Offered: **Hamilton SO76 \$1.50**

**85 PROFESSIONAL TELEVISION LIGHTING KIT**

**General Description**

This item is intended for lighting needs in remote production. Portable television light kit consists of (3) 1-lamp fixtures with 55 watt high frequency ballasts, (3) light stands, assorted gel frames and control screens and one set each of 3200K and 5600K lamps. The equipment is packaged within a soft-sided case that has a pop-up handle and casters for pull behind transport. Must include three p/n 016-117-P pipe clamp mounts (not normal component of the kit).

**Brightline model SK1.1N-3 light kit.**

**No substitutions accepted.**

Model Offered: **NO Award**

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**86 A/V RECEIVER, 7.1 CHANNEL SURROUND SOUND**

**General Description**

This is intended for use in auditorium, multi-purpose halls, large avenue. It may be used to integrate all sources and to connect a high quality output to large Flat Panel Display or projector.

Audio

Impedance: 8 Ohm

Channel Power Rating: 120 Watts X 7 Amplifier Power (8 ohms, 1Khz, 0.7% THD)

Sound Fields: Cinema - 4; Music - 8; Auto Format Decoding - 12; 2 Channel - 1

Zones: 2 Zone/2 Room

Tuner Type: Auto Tuning, Direct Tuning, Station Name, Presets 30/30/30 (XM/FM/AM)

Digital Cinema Sound Technology

Dolby Digital Decoding - Dolby Pro LogicII Decoding

dts 96/24 Decoding - dts NEO:6 Decoding

Dolby Digital EX Decoding

Dolby Pro Logic IIX Decoding

Amplification Relocation

Dolby Pro Logic Decoding

dts-ES Decoding

Convenience

AM/FM Memory Presets: 30 FM - 30 AM

XM Connect and Play Compatible - XM Memory Presets: 30

Sound Fields

A/B Speaker Switch: A / B / A+B

On Screen Display

Digital Cinema Auto Calibration (Mic- Mono)

HDMI Technology: Intelligent A/V Selector

Inputs and Outputs

S-Video Input(s): 4 (1 Front, 3 Rear) - S-Video Output(s): 1 (Rear)

Composite Video Input(s): 5 (1 Front, 4 Rear)

Composite Video Output(s): 3 (Rear-1 Monitor Output, 2 Video Outputs)

Optical Audio Input(s): 4 (1 Front, 3 Rear)

Optical Audio Output(s): 1 (Rear)

Coaxial Audio Digital Input(s): 3 (Rear)

RCA Audio Input(s): 4

RCA Audio Output(s): 2

Multi-Channel Input(s): 1 (Rear, 7.1 Channel)

Subwoofer Output(s): 1 (Rear)

AC Outlet: 2 (Rear) Switched

Antenna Terminal (AM Loop): 1 (Rear)  
 Antenna Terminal (FM 75 Ohm): 1 (Rear)  
 Headphone Output(s) (Front- Gold)  
 Speaker Terminal Type: Screw Binding Posts (A & B)  
 HD Component Video Input(s): 2 (Rear)  
 HD Component Video Output(s): 1 (Rear)  
 HDMI Connection Input(s): 2 (Rear)  
 HDMI Connection Output(s): 1 (Rear) Repeater  
 Minimum One Year Warranty  
**Sony STR-DG1000** or latest equivalent

Model Offered: **Sony STR-DN1000** \$329.00

(\* Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**87 LOUDSPEAKER, WALL MOUNT**

This is intended to be used with the A/V Receivers or for any sound applications. 150W, 4-WAY, Wall-Mount, 8ohm, magnetically shielded, 55Hz-40kHz frequency range. 700Hz, 4kHz, 20kHz cross over Frequency, Warranty minimum of 5 Year Parts & Labor. **JBL LC2 Studio L Series 4-Way Dual 6"** 150-Watts or latest equivalent

Model Offered: **JBL LC2 L Series** \$270.00

(\* Indicates Internal Stock Numbers

ITEM		EST.	UNIT	TOTAL
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**88 PORTABLE HANDHELD DV CAMCORDER**

**FOR ELEMENTARY SCHOOLS**

1/6" 680,000 Pixels, 32x Optical, .7" Wide LCD monitor, Optical Image Stabilization, Digital effects, Zoom Mic, Link IEEE1394: - x1, A/V: - x1, USB, Item shall include LI Battery pack, battery adapter/charger, camera bag. 1 Year Warranty.  
**Panasonic PV-GS80** or latest equivalent

Model Offered: **Panasonic ADR-S26K** \$239.98

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**89 PORTABLE HD CAMCORDER**

This item is a handheld camcorder/digital camera combo which may be used for recording events and programs in remote locations. AVC HD, 1/4" CCD x 3, 560K Pixels x 3, Leica Dicomar, F= 1.8-2.8, 12 X Zoom Optical Image Stabilizer, Stereo 5ECM 5.1ch Surround Sound, Focus, Aperture, Shutter Speed, White Balance, Records to SD/SDHC, 2.1 MEGA: 1920 x 1080 (16:9) still, Microphone IN USB2.0,HDMI, Composite, Component Video outs, Item shall include:

- 4GB SDHC Card
- IR Remote
- A/C Adapter & Cable
- DC Cable
- LI Battery Pack, Battery Charger
- USB
- A/V Cables
- Component video cables, Camera bag
- Operations Manual
- One Year Warranty

**Panasonic HDC-SD60K** or latest equivalent

Model Offered: **Panasonic HDC-SD60K \$424.00**

(\*) Indicates Internal Stock Numbers

ITEM	DESCRIPTION	EST.	UNIT	TOTAL
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**90 CAMCORDER, MULTI-FORMAT, DIGITAL, HD**

**General Description**

1.1 million active pixels with a spatial offset , 14-bit A/D conversion and 19-bit inner processing ,3 X -1/3 in 235K pixels CCD, 3 Lux sensitivity, Mini DV & Solid-State, Memory Card, HD Format Camcorder, PCM Stereo, 3.5 in. Color Viewfinder LCD, Wider Angle (13X) Leica Dicomar® Zoom Lens, Optical Image Stabilizer, Cam-driven manual zoom, large manual iris control, focus assist, gain, two ND filters (1/8th and 1/64th) as well as slow, synchro and high-speed shutter

## Specifications

Support for 1080/60i, 1080/24p, 1080/24pA, 1080/30p, 720p/60p, 720/24p (over 60p), 720/30p (over 60p), 720/24pN native, 720/30pN native 480/60i, 480/24p (over 60i), 480/24pA (over 60i), 480/30p (over 60i)

Uncompressed 4-channel, 16-bit digital audio recording in DVCPRO HD and DVCPRO50

Eight Gamma settings for various shooting scenarios,  
Internal downconversion to Mini-DV Tape

3.5" LCD monitor

IEEE 1394 and USB 2.0 beyond all other A/V connectivity I/O: S-Video, Composite (Video), Audio (RCA), Headphones Jack, FireWire / DV / iLink, IEEE 1394 and USB 2.0. To include: Software,

Include:

A/V Cable, Shoulder Strap, 2 Hour Lithium Rechargeable Battery  
Battery Charger, AC Power Adapter, Remote Control, Camcorder  
,UV Filter,  
Deluxe Camcorder Case, Deluxe Lens Care and Maintenance  
Package,  
Screen LCD Protectors, Mini DV Head Cleaner, One Year  
Warranty.

**Panasonic AGHVX200A HD** or Latest equivalent

Model Offered: **Panasonic AGHVX 200A**    **\$3,503.00**

**91**            NLE EDITING, TURN-KEY SYSTEM, FINAL CUT PRO

### **General Description**

This is intended for post production editing of programs taped in the TV Studio in Final cut format. The suite will also be used for teaching Television classes and training students.

**The vendor shall provide all system components including cables, hardware, software in required quantities to form a complete, functional Non Linear Editing system but not limited to the items listed below.**

[Apple - Mac Pro Two 2.66GHz Dual-Core Intel Xeon, 1GB, 250GB, 7300 GT, No BT or AP](#)

Apple - Mac Pro Two 2.66GHz Dual-Core Intel Xeon, 1GB, 250GB, 7300 GT Specifications

Two 2.66GHz Dual-Core Intel Xeon 1GB (2 x 512MB) 250GB 7200-rpm Serial ATA 3Gb/s

NVIDIA GeForce 7300 GT 256MB (single-link DVI/dual-link DVI)One 16x SuperDrive

Apple Keyboard and Mighty Mouse - U.S. English Mac OS X - U.S. English

[Apple Cinema Display 23" Flat Panel](#)

Apple Aluminum Cinema Display 23" Flat Panel

[Apple Final Cut Studio 2](#)

Apple Final Cut Studio 2 (Retail SKU) - With six applications, Final Cut Pro 6 for video and film

editing, Motion 3 for graphics and animation in 3D, Soundtrack Pro 2 for professional

audio post-production, Color Compressor 3 and DVD Studio Pro 4 for digital delivery

Model Offered: **No Award**

(\* Indicates Internal Stock Numbers)

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**92 NON LINEAR EDITING, TURN-KEY SYSTEM- AVID**

This is intended for post production editing of programs taped in the TV Studio in Final cut format. The suite will also be used for teaching Television classes and training students.

**The vendor shall provide all system components including cables, hardware, software in required quantities to form a complete, functional Non Linear Editing system but not limited to the items listed below.**

HP Workstation xw8400  
2.66 GHz (or faster) Dual Dual-Core Xeon  
NVidia Quadro FX1500  
Cache Memory  
4 MB L2 cache

Cache Per Processor  
 4 MB ( 2 x 2 MB )  
 RAM  
 2 GB (installed) / 32 GB (max) - DDR II SDRAM - ECC - 667 MHz - PC2-5300  
 Storage Controller  
 RAID ( Serial ATA-300 ) ; RAID ( Serial Attached SCSI )  
 Hard Drive  
 1 x 160 GB - standard - Serial ATA-300  
 Optical Storage  
 DVD±RW (+R DL) with LightScribe Technology  
 Monitor  
[22" Widescreen TFT LCD Monitor](#)  
 1000:1 Contrast Ratio ,500 cd/m2 brightness 1680 x 1050 resolution ,  
 5 ms response time, DVI-I & VGA inputs, Integrated speakers  
 X@GEN [MW22U](#) or latest equivalent  
 Software  
 Avid Xpress® Pro  
 Compatible with Microsoft Windows XP SP2 & Mac OS X 10.4.6, 10.4.7 or 10.4.8  
 Avid Xpress® Pro shall include:  
 Avid Marquee® ,Digidesign® AudioSuite™ ,IllusionFX™  
 Avid Filmmaker's Toolkit ,SmartSound SonicFire Pro  
 Sorenson Squeeze Compression Suite, Sonic DVDit (PC Only)  
 Noise Industries Factory Tools (Mac only)  
 Avid Xpress Pro Users Guide, Basics Guide, and Effects Guide manuals  
 Support for the following Project formats:  
 NTSC, 720p/23.976, 720p/29.97 HDV, 1080p/23.976,1080p/24, 1080i/59.94 HDV  
 10-bit 1:1 SD video support , DV50 capture and output over IEEE-1394  
 MXF media support, MPEG-4 (.mp4) , H.264 ,3GPP ,AVC , AVC HD,Sony PSP,  
 Macromedia Flash Movie (.swf), Macromedia Flash Video (.flv) ,QuickTime (.mov) ,  
 Windows Media Video (.wmv), RealMedia (.rm) , MPEG-1/2 (.mpg),DVD

Model Offered: **No Award**

(\* ) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
<b>93</b>	<b>CD PLAYER/AUDIO TAPE RECORDER/PLAYER COMBO, WITH BUILT-IN SPEAKERS</b>			

This is a lightweight portable combo unit for use in classrooms and other educational applications. This is 120 V AC 60Hz A/C only device! Cassette, stereo, Record, Playback and Erase Heads, 7 Watts RMS (per channel), (D.H.T. 5%) speakers; Microphone Input, Auxiliary Input Jack, 120 V AC 60Hz, Built-in Listening Center with 5 headset jacks. Direct recording from CDs. Audio Deck: Record, play, review, cue/fast forward, pause, stop, eject. CD Deck: Play, stop/clear, skip Automatic level control (ALC) for Record level control. Signal To Noise Ratio 45 dB C-30, C-60, C-90 tape capacity, resettable Tape Counter.  
**EIKI Model 7070** or latest equivalent

Model Offered: **NO Award**

## **94      MULTI TRACK PORTABLE HANDHELD RECORDER**

### **General Description**

Built-in X/Y stereo condenser mics , variable recording patterns at either 90° or 120°. digitally controlled, high-quality mic preamp, ability to use internal and external mics simultaneously for 4 channel recording, LCD screen, Built-in X/Y stereo mics record at either 90° or 120°, Four channel simultaneous recording using built-in and external mics; Digitally controlled, high-quality mic preamp for improved audio quality, Large 1.9-Inch LCD screen and improved user interface for easy operation, 24bit/96kHz Linear PCM recording for pristine recording, MP3 recording for increased recording time, Built-in reference speaker to check recordings, Shock resistant rubberized body for improved chassis protection, Broadcast Wave Format (BWF) compatible time stamp and track marker, Records on SD/SDHC media of up to 32GB for maximum recording time, Auto-record and pre-record feature so you never miss a moment, Variable speed playback

capability for phrase training, Stamina mode enables 10 hours of continuous battery life,  
 Onboard mid-side matrix decoder for additional miking possibilities, Built-in mounting joint for tripod and mic stand mounting, USB 2.0 port for faster file transfer, XLR mic inputs with phantom power allow recording with any mic, Supports plug-in power type external mics, Hi-Z Inputs for recording guitar and bass, Studio effects onboard, including guitar and bass amp modeling, USB audio interface capability, Low-cut filter to reduce noise, Normalizing and file splitting functions, Mono mix function, Onboard tuner and metronome. To include 1 GB SD card, wind screen, mic clip adapter, AC adapter, USB cable, protective case and Cubase LE recording software, RC4 remote control  
 Zoom H4n Handy Portable Digital Recorder or latest equivalent

Model Offered: **Zoom H4N** **\$235.00**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
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**95 PORTABLE PA SYSTEM**

This is meant to be used for sound reinforcement for small gathering at locations. PA Package consisting of 20 channel mixer and two speakers , floor monitors and the power amp three vocal microphones , speaker and mic cables, 2 x 600-Watt stereo powered mixer (1,200 Watt bridged mode), 20-channel mixer section, 12 mono and 4 stereo channels plus separate tape returns, 2 studio-grade 24-bit stereo FX processors with minimum 100 presets including reverb, chorus, flanger, delay, pitch shifter and various multi-effects, FBQ Feedback

Detection system revealing critical frequencies for easy feedback removal, 12 high-quality IMP Invisible Mic Preamps with switchable +48 V phantom power for condenser microphones 3-band EQ, switchable Low cut filter and Clip LEDs on all mono channels, Stereo 7-band graphic EQ for precise frequency correction of monitor or main outputs, Voice Canceller function Selectable stereo (main L/R), double mono (main/monitor) or bridged mono amplifier, operation mode Standby switch to mute all mic input channels during breaks while background music is provided via tape inputs 3D stereo surround effect for more vitality and enhanced stereo image, Adjustable stereo CD/Tape input for connecting external line sources, Multi-functional stereo Preamp outputs, response and very low power consumption. To include the following items:

- 1 X 1200 Watt 20 Channel Powered Mixer (2 x 600-Watt stereo powered mixer (1,200 Watt bridged mode)
- 2X 15 inch 2 Way PA Enclosures
- 1X Power Amp
- 2 X Tripod Speaker Stands
- 3X Vocal Mics with Clip
- 3 X 20 foot CBI MLC20 Mic Cables
- 2 X 12 Inch Floor Monitors
- 2 X 10 Foot Instrument Cables
- 4 X Speak on to Quarter Inch Speaker Cables

#### Specifications

##### Microphone Inputs

Type: XLR, electronically balanced, discrete input circuit  
Frequency Response: <10 Hz-155 kHz (-1 dB), <10Hz- >200 kHz (-3 dB)

Gain: +10 dB, +60 dB

Max Input Level: +12 dBu @ +10 dB gain

Impedance: approx. 2.6 k ohms balanced/ 1.3 k ohms unbalanced

Signal-to-Noise Ratio: 109 dB/ 112 dB A-weighted (0 dBu IN @ +10 dB gain)

Distortion (THD+N): 0.002% / 0.0018% A-weighted

##### Mono Line Inputs

Type: 1/4" TS connectors, balanced

Impedance: approx 20k ohms

Max Input Level: +21 dBu

Stereo Line Inputs

Type: 1/4" TRS connectors, unbalanced

Impedance: >3.6k ohms

Max Input Level: +22 dBu

Latest equivalentizer

Low: 80 Hz / +/- 15 dB

Mid: 100 Hz-8kHz/ +/- 15 dB

High: 12 kHz / +/- 15 dB

CD/Tape Input

Type: RCA

Impedance: approx 3.6 k ohms, balanced

Max Input Level: +21 dBu

Main Preamp Outputs

Type: 1/4" TRS connectors, unbalanced

Impedance: approx 150 k ohms, unbalanced

Max Input Level: +21 dBu

Monitor Preamp Outputs

Type: 1/4" TRS connectors, unbalanced

Impedance: approx 150 k, unbalanced

Max Input Level: +21 dBu

Stereo Outputs

Type: 1/4 inch TRS connectors, unbalanced

Impedance: approx 150 ohms, unbalanced

Max Output Level: +21 dBu

Stereo Outputs

Type: RCA

Impedance: approx 1k ohms

Max Output Level: +21 dBu

Loudspeaker Outputs

Type: compatible to Neutrik Speakon

Load Impedance

Main L/R: 4-8 ohms

Monitor/Main Mono: 4-8 ohms

Main Mono/Main Mono: 4-8 ohms

Bridge: 8-16 ohms

DSP

Converter: 24-bit Delta-Sigma, 64/128-times oversampling

Dynamics D/A: 90 dB

Sampling Rate: 46.875 kHz

Delay Time: max 5s

Signal Run Time (Line in>>Line out): approx 1.5 ms

Display

Type: 2 Dual 7-Segment LED

Amplifier (Power Amp Output)

Power @ 4 ohms: 2 x 450 w  
Power @ 8 ohms: 2 x 215 w  
Power @ 8 ohms (Bridge): 1 x 1200 w  
Power Supply  
Mains Voltage: 230V~, 50 Hz  
Power Consumption: 1000 w  
Fuse: T 6,3 A H 250V  
Mains Connector: Standard IEC receptacle  
Speakers  
400 Watts program power, 800 Watts peak  
HF Driver protection network

3/4 inch MDF construction  
Two 1/4 inch inputs  
Metal handles  
Heavy duty carpet  
Full metal perforated grill  
Audio Power Amplifiers  
2 x 700 Watts in 2-Ohm/1400 Watts in 4-Ohm bridged operation  
2-channel, parallel or bridged mono operating modes for flexible application  
Independent limiters for each channel offer dependable protection against distortion  
Precise signal and clip LED indicators to monitor performance  
Selectable low-frequency filters (30 Hz or 50 Hz) remove distracting infra-sound frequencies  
Professional Speakon® and touch-proof binding post loudspeaker outputs enable secure operation  
Balanced XLR and 1/4 inch TRS inputs  
Connection option for extra amps in parallel operation  
Ultra-reliable Toshiba®/Fairchild® high-power transistors  
High-current Toroid® toroidal transformer  
Back-to-front ventilation system including air filter with automatically adjusting fan speed for smooth operation  
Independent DC and thermal overload protection on each channel to automatically protect amplifier and speakers  
Floor Monitor  
Two-way sound reinforcement monitor enclosure  
30 and 45 degree dual-angle monitoring  
woofer with 2.5-inch voice coil  
1.4-inch 14XT titanium diaphragm compression driver  
tweeter protection  
500 Watt program/1000 Watt peak power handling  
Heavy duty crossover network for driver protection and EQ  
Lightweight trapezoidal enclosure

90° x 40° coverage constant directivity horn for better off-axis tonality  
 High quality, heavy duty carpet covering  
 Steel handle  
 Rugged dado and rabbet construction for lightweight- yet-strong joints  
 T-Nut speaker mounting  
 Heavy duty, full-length steel grille , Pole mount  
**AMS Concert Portable PA System or latest equivalent**

Model Offered: **No Award**

(\*) Indicates Internal Stock Numbers

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT PRICE	TOTAL PRICE
<b>96</b>	<p><b>PROCESSOR-CONTROLLED 400-WATT 2-WAY PA SPEAKER SYSTEM WITH 15-INCH WOOFER AND 1.25-INCH TITANIUM COMPRESSION DRIVER</b></p> <p>Ultra-Low Noise (ULN) Mic/Line input with Volume control plus dedicated 2-band EQ.            High-power 400-Watt 2-way PA sound reinforcement speaker system for live and playback applications            Ultra-compact lightweight system delivers excellent sound even at extreme sound pressure levels            Integrated sound processor for ultimate system control and speaker protection, Extremely powerful 15-inch long-excursion driver provides incredibly deep bass and acoustic power. State-of-the-art 1.25-inch titanium-diaphragm compression driver for exceptional high-frequency reproduction, Ultra-wide dispersion, large-format exponential/conical horn, Ultra-low noise Mic/Line input with Volume control and Clip LED,            Dedicated 2-band EQ for perfect sound adjustment, Additional Line output allows linking of additional speaker systems, Versatile trapezoidal enclosure design allows different positioning, Stand mounting with 35-mm pole socket, Tilts on its side for use as a floor monitor, Ergonomically shaped handles for easy carrying and setup, High-quality components and exceptionally rugged construction ensure long life.            Specifications:            Output Power            Low-frequency range:                RMS @ 1%THD (sine wave): 200 W @ 8 ohms</p>			

Peak Power: 320 W @ 8 ohms

High-frequency range:

RMS @ 1% THD (sine wave): 50 W @ 8 ohms

Peak Power: 80 W @ 8 ohms

Input

XLR connector (servo-balanced)

Sensitivity: -40 to +4 dBu

Input impedance: 20k ohms

1/4 inch jack (servo-balanced)

Sensitivity: -40 to +4 dBu

Input impedance: 20k ohms

Link Output

XLR connector

System Data

Frequency range: 55 Hz to 20 kHz

Crossover frequency: 1.9 kHz (12 dB)

Maximum sound pressure level: 125 dB @ 1 m

Limiter: optical

Dynamic: processor-controlled Latest equivalentizer

High: 12 kHz / +/-15 dB

Low: 80 Hz / +/-15 dB

Power Supply

Mains voltage: 120 Volts, 60 Hz

Power consumption: maximum 450 W

Behringer Eurolive B215A Powered PA Speaker 15 Inch, 400  
Watts or latest equivalent

Model Offered: **Eurolive B215A** **\$194.12**