



## Model HDL12



### 12.1" LED Hi-Resolution, Video / PC, Premium Video Monitor

- Very Bright Monitor for all indoor and some outdoor uses
- LED Backlight for cool running but with very low power consumption
- 2x HD SDI, 2- Composite, VGA (supports YPbPr/RGB) & DVI/HDMI [+HDCP]
- Modes: EGA to WUXGA input (up to 1920 x 1200) & 480/576/720/1080 in I, P, & sF; plus Composite NTSC/PAL/SECAM/NTSC4.43/PAL-M
- All 12-bit Digital Processing, Digital Adaptive Comb Filters
- Aspect Ratios: 16:9, 4:3, 1.85 to 1, etc. (Fixed and Adjustable)
- Fully Adjustable Scans: H & V sizes, Positions, Frame Markers
- RS-232 standard and IR optional

### SPECIFICATIONS

Active Area (Diagonal):	12.1" / 31 cm (4:3 diagonal); 9.68 x 7.26" / 246 x 184 mm
<b>MODES</b>	
High & Standard Definition Video Modes:	1080/720/576/480 @23/24/25/29/30/60 i/p/sF Digital and Analog (autoselected), VESA VGA & DVI
PC Video Modes:	EGA, VGA, SVGA, XGA, WXGA, SXGA, WSXGA, UXGA, WUXGA (up to 1920 x 1200 @ 60 Hz)
Standard Definition Video Modes:	NTSC / PAL / SECAM/ NTSC4.43 / PAL-M (autoselected)
<b>INPUTS</b>	
6-Input Video Interface:	2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGsB, RGBs, YPbPr), YCrCb, & HDMI/DVI
<b>PICTURE</b>	
Aspect Ratios– presets, including:	16:9, 4:3, Letterbox, and (de-) Anamorphic, Fixed and Variable Aspect Ratio Images
Picture-in-Picture :	Variable position window; inserts a video source into window over PC or HD image. Window is size and position adjustable.
Picture-by-Picture:	Side by Side split screen display
Pixel (RGB Trio) Arrangement:	1024 H x 768 V RGB Vertical Stripe (786,432 RGB Pixels, 1 pixel=R+G+B)
Pixel (RGB Trio) Pitch, Depth:	0.308 h x 0.308 v mm
Brightness, typical, 0°:	20-650 nts (cd/m2) (Extended Brightness with dimming for twice normal performance)
Contrast Ratio, 0°:	700:1
Dimming:	Front panel control, 100 to 5%
Cooling:	Passive, (no fans)
Color Bit Depth:	16.7 million colors (10-bit Digital Processing)
Viewing Angle, contrast>10:1 :	H: ±80°, V: ±80°
Response Time:	12/13 ms
Standard Definition Video Resolution:	450 TVL
<b>CONTROLS</b>	
User Controls:	Menu System: Step Up/Down, Increment, Decrement, Hot Keys, Dimmer, Input Select Keys, On/Off
Remote Controls:	Infrared(optional), Bi-direx RS-232(standard)
<b>LIGHT</b>	
Light Source (standard):	White LEDs
Lamp Life:	50,000+ hours at full brite
<b>CONNECTORS</b>	
Composite Video Connector:	BNCx4 (in/outs 2: Hi-Z passive loop-thrus / auto-terminations)
VGA/PC Connector:	DE-15HD-F (detachable 10' M/M cord)
DVI-D Connectors:	Industry Standard Types
<b>POWER</b>	
DC Power:	12 VDC ±10%, 25 watts (at full brite); (optional 9-36 volts input available)
DC Connector:	XLR-4M (pin 1=Gnd, pin 4=+volts)
AC Power (detached power supply included):	90-264 VAC, 50/60 Hz, 30 watts
AC Power Connector:	IEC 320-C14 3 pin Male (universal)
<b>DISPLAY</b>	
Window (Display Area):	9.744 x 7.323
Cabinet Dimensions:	12 x 8.83 x 1.934
Weight:	4.0 lbs/ 1.8 kgs (without stand, power supply, or rackmount)
Mounting / Rackmounting:	10-32 threaded inserts on back corners. VESA 75mm M4 screw in center. Options: RM, wall, stands
Operating (full spec):	-30° to 65° C, 0- 95% RH (non-condensing) (Extreme)
Storage:	-40° to +80° C (non-condensing) (Extreme)
Case Color & Material:	Textured Semi-Gloss Black Powder Hard Coat, Aircraft Aluminum, Protected Glass screen
Available Options:	Table Stands, Wall Mount Arms & Tilting Brackets
Approvals:	RoHS (Pb) Compliant Product, High Vibration Environment Approved

Specifications are subject to change without notice. January 2012