



## Models HDL9 & HDL9x2

### 8.9" HD & SD SDI Digital/Analog Video Monitor



- High & Standard Definition Video LCD Monitors 1080/720/576/480 i/p/SF
- 2x HD/SD SDI-Digital (SMPTE 259M, 292, 296)
- Analog Inputs are 2x Composite, PC VGA, YPbPr/YCrCb
- Modes: EGA to WUXGA, NTSC/PAL/SECAM/NTSC4.43/PAL-M
- High-Efficiency Low-Power LED Backlighting
- All 12-bit Digital Processing (up to 1920 x 1200), 16.7 million true colors, 24 bit
- Aspect Ratio: 16:9, 4:3, 1.85 to 1, etc.
- Fully Adjustable Scans: H & V sizes, Position, & Frame Markers

### SPECIFICATIONS

Active Area (Diagonal):	8.9" / 226 cm
<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
PC Video Modes:	EGA, VGA, SVGA, XGA, WXGA, SXGA, WSXGA, UXGA, WUXGA
Standard Definition Video Modes:	NTSC/PAL/SECAM/NTSC4.43/PAL-M (autoselected)
<b>INPUTS</b>	
Digital Video Inputs:	HD SDI, SD SDI (SMPTE 259M/292/296)
Analog Video Inputs:	2xComposite, YPbPr/CrCb, PC VGA (EIA, CCIR, VESA, SMPTE 274)
<b>PICTURE</b>	
Aspect Ratios:	16:9, 4:3, Letterbox, and (de-) Anamorphic, Aspect Ratio Images
Picture-in-Picture:	Variable position window; inserts a video source into window over second image. Window is size and position adjustable.
Picture-by-Picture:	Side by Side split screen display
Pixel (RGB Trio) Arrangement:	1280 H x 768 V RGB Vertical Stripe
Pixel (RGB Trio) Pitch, Depth:	0.1515 H x 0.1515 V mm
Brightness, typical, 0°:	350 nts (cd/m2)
Contrast Ratio, 0°:	1000:1 (high contrast)
Color Bit Depth:	16.7 million colors (12-bit Digital Processing) 24bit
Viewing Angle, contrast>10:1:	H: 170°, V: 170° (wide angle)
Response Time:	11 ms (high speed)
Standard Definition Video Resolution:	450 TVL
<b>CONTROLS</b>	
User Controls:	On/Off, Menu System: Step, Increment, Decrement, Hot Keys, Input Select
Remote Controls:	InfraRed (IR) and RS-232 (bi-direx)
<b>LIGHT</b>	
Light Source (standard):	White LEDs, High Efficiency, Five Variable Color Temperature Adjustment Menu/Presets
Lamp Life:	70,000+ Hrs
<b>CONNECTORS</b>	
Video Connectors:	BNCx11: HD/SD SDI in/out (4) , YPbPr/YCrCb in (3), Composite in/out (2: Hi-Z passive loop-thru / auto-termination (4))
VGA/PC Connector:	DE-15HD-F
<b>POWER</b>	
DC Power:	12 VDC, (10.8~14.0), 20 watts (40w for twin)
DC Connector:	D4M (XLR4-M) (Locking; pin 1: gnd, pin 4: +12 v)
AC Power (detached power supply included):	90-264 VAC, 50/60 Hz, 25 watts (worldwide power); (50w for twin)
AC Power Connector:	IEC 320-C14 3 pin Male (universal)
<b>DISPLAY</b>	
Window (Display Area):	193.9 (H) x 116.4 (V) mm (7.63" x 4.58")
Cabinet Dimensions:	8.832 x 6.316 x 2.528" / 224 x 160 x 64 mm (whd)
Weight:	3.0 lbs / 1.4 kgs (without stand, power supply, or rackmount)
Mounting / Rackmounting:	VESA 75 (M4x4 screws), ½"-20 on four sides; also available as a Rackmount Twin HDL9x2 (4 RU)
Operating (full spec):	-20 ~ +70°C @ 0-85% RH, no condensation
Storage:	-30 ~ +80°C
Case Color & Material:	Textured Semi-Gloss Black Powder Hard Coat, Aircraft Aluminum
Available Options:	Wall Mount Bracket, Stands, Arms
Approvals:	RoHS (Pb) Compliant Product

Specifications are subject to change without notice. May 2014