



## Model DHD20W & AHD20W



### 20.1" HD & SD SDI Digital, Analog, & DVI

- High & Standard Definition Video LCD Monitors 1080/720/576/480
- DHD is HD/SD SDI-Digital (SMPTE 259M, 292, 296), Analog & DVI Inputs
- AHD/DVI is Analog (Composite Y/C, PC-VGA, YPbPr/YCrCb) & DVI Inputs
- Modes: EGA to WUXGA, NTSC/PAL/SECAM/NTSC4.43/PAL-M
- All 10-bit Digital Processing, 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, & Scan Reverse
- Digital Adaptive Comb Filters

<b>SPECIFICATIONS</b>	
Active Area (Diagonal):	20.1" / 51 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 & DVI
PC Video Modes:	EGA, VGA, SVGA, XGA, WXGA, SXGA, WSXGA, UXGA, WUXGA
Standard Definition Video Modes:	NTSC/PAL/SECAM/NTSC4.43/PAL-M (autoselected)
Scanning Modes:	Under/Over Scanning; H/V Scan Reverse (mirror)
<b>INPUTS</b>	
Digital Video Inputs (DHD model):	HD SDI, SD SDI (SMPTE 259M/292/296), DVI
DVI Digital Video Inputs (both models):	Digital Visual Interface, Single-Link, VESA & SMPTE Rates.
Analog Video Inputs (both models):	Composite, Y/C, YPbPr/CrCb, PC VGA (EIA, CCIR, VESA, SMPTE 274)
<b>PICTURE</b>	
Aspect Ratios:	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:	1680 H x 1050 V (16:10) RGB Vertical Stripe
Pixel (RGB Trio) Pitch, Depth:	0.258 H x 0.258 V mm
Brightness, typical, 0°:	300 nts (cd/m <sup>2</sup> ) (high brite) (100~30% Dimmer: 500 to 150 nts rotary knob)
Contrast Ratio, 0°:	800:1 (very high contrast) (native gamma: 2.2)
Color Bit Depth:	16.7 million colors (10-bit Digital Processing)
Viewing Angle, contrast>10:1 :	178° H, 178° V (extreme wide view)
Response Time:	t-rise=5 ms, t-fall=7ms
Standard Definition Video Resolution:	450 TVL
<b>CONTROLS</b>	
User Controls:	On/Off, Menu System: Step, Increment, Decrement, Hot Keys
Remote Controls:	InfraRed (IR) and RS-232 (bi-direx)
<b>LIGHT</b>	
Light Source (standard):	6 U Fluorescent Lamps, Variable Color Temperature Adjustment Menus
Lamp Life:	50,000+ Hours
<b>CONNECTORS</b>	
Video Connectors:	BNCx8: (HD/SD SDI in (2) and Regen outputs (2) [DHD only], YPbPr/YCrCb in (3)[AHD only], Composite in/out (2: Hi-Z passive loop-thru / auto-termination (4))
S-Video (Y/C) Connector:	4-pin Mini-DIN (replaced when SD SDI)
DVI Connectors:	Up to 920 by 1080P (no HDMI support)
VGA/PC Connector:	DE-15HD-F (detachable 10' M/M cord)
Audio Connectors (optional):	3.5mm Stereo, Input and Output (1 watt x 2 for external amplifier/speakers)
<b>POWER</b>	
DC Power:	24 VDC, (22.8~25.2), 95 watts
DC Connector:	D5M (XLR4-M) (Locking; pin 1&2: gnd, pin 4&5: +24 v)
AC Power (detached power supply included):	88-132/176-264 VAC, 47~63 Hz, 115 watts
AC Power Connector:	IEC 390-C14 3 pin Male (universal)
<b>DISPLAY</b>	
Window (Display Area):	17.05 x 10.67" / 433 x 271 mm screen
Cabinet Dimensions:	19.00" x 13.00" x 2.13"
Weight:	12 lbs / 5.5 kg (without stand, power supply, or rackmount)
Mounting / Rackmounting:	10-32, 19" Rackmount Ears, Wall & Desk Stands
Operating (full spec):	0 ~ +60°C @ 0-95% RH
Storage:	-25 ~ +80°C Storage, 15,000 ft (operating), 45,000 (storage)
Case Color & Material:	Textured Semi-Gloss Black Powder Hard Coat, Aircraft Aluminum
Approvals:	RoHS (Pb) Compliant Product

Specifications are subject to change without notice. Jan. 2008