



## Model DHD20WDB



### 20.1" Wide DayBright HD & SD SDI-Digital, Analog, & DVI LCD Video Monitor

- Ultra-Brite Direct Sunshine Display, All HDTV formats (720/1080, i/p/sF)
- 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):	20.40" / 50.9 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 -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:	1366 x 768 RGB Vertical Stripe
Pixel (RGB Trio) Pitch, Depth:	0.325 H x 0.325 V mm, 16.7 Million Colors
Brightness, typical, 0°:	<b>1400 nts (cd/m<sup>2</sup>)</b>
Dimming:	Front panel control, 100 to 3%
Cooling:	Internal Fans (Off, Hi, Lo selectable)
Contrast Ratio, 0°:	<b>750:1</b>
Color Bit Depth:	16.7 million colors (10-bit Digital Processing)
Viewing Angle, contrast>10:1 :	<b>150°H; 130°V</b>
Response Time (blk>wht, wht>blk):	4/4 ms (high speed)
Standard Definition Video Resolution:	450 TVL
<b>CONTROLS</b>	
User Controls:	On/Off, Menu System: Step, Increment, Decrement, Hot Keys, Dimmer
Remote Controls:	InfraRed (IR) and RS-232 (bi-direx)
<b>LIGHT</b>	
Light Source (standard):	12 Cold-Cathode Fluorescent Lamps
Lamp Life:	<b>50,000 hours (Four Color Temperature Pre-set/Adjust Menus)</b>
<b>CONNECTORS</b>	
Video Connectors:	BNCx6/5: (SDI in (2) and Regen outputs (2) [DHD only], or YPbPr/YCrCb in (3) [DVI only], Composite in/out (1: Hi-Z passive loop-thru / auto-termination); note: VGA input also accepts YpbPr.
S-Video (Y/C) Connector:	4-pin Mini-DIN (replaced when SD SDI)
DVI Connectors:	Up to 1920 by 1080P (no HDMI support)
VGA/PC Connector:	DE-15HD-F (detachable 10' M/M cord)
<b>POWER</b>	
DC Power:	12 volts DC (11.0~16.0), 72 watts
DC Connector:	XLR-4M (pin 1=Gnd, pin 4=+volts)
AC Power (detached power supply included):	90-264 VAC, 85 watts
AC Power Connector:	IEC 390-C14 3 pin Male (universal)
<b>DISPLAY</b>	
Window (Display Area):	17.161 x 9.907"
Cabinet Dimensions:	19.00 x 11.460 x 2.211"
Weight:	14 lbs (without stand, power supply, or rackmount)
Mounting / Rackmounting:	10-32, 19" Rackmount Ears, Wall & Desk Stands
Operating (full spec):	0 ~ +50°C @ 0-95% RH
Storage:	-20 ~ +60°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. July 2007