



## Model DHD15aDB & AHD15aDB



### 15" 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):	15.0" / 38.0 cm diagonal
<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:	1024 x 768 RGB Vertical Stripe (786,432 RGB Pixels. 1 pixel=R+G+B)
Pixel (RGB Trio) Pitch, Depth:	0.299 (0.133x3)w x 0.299v mm, 262,144 Colors
Brightness, typical, 0°:	<b>1800 nts (cd/m<sup>2</sup>)</b> (Ultra-High Brightness; 100:1 dimmer)
Dimming:	Front panel control, 100 to 1%
Cooling:	Internal Fans (Off, Hi, Lo selectable)
Contrast Ratio, 0°:	<b>500:1 (high contrast)</b>
Color Bit Depth:	16.7 million colors (10-bit Digital Processing)
Viewing Angle, contrast>10:1 :	<b>H: ±60°, V: +55°, -35° (wide angle)</b>
Response Time (blk>wht, wht>blk):	<b>23/7 ms (high speed)</b>
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 Fluorescent Lamps, <b>Color Temperature Adjustment Menu</b>
Lamp Life:	65,000+ Hrs (1/2 brightness), 25,000+ Hrs (full brightness)
<b>CONNECTORS</b>	
Video Connectors:	BNCx8: (SDI in (1) and Regen outputs (2) [DHD only], YPbPr/YCrCb in (3), Composite in/out (2: Hi-Z passive loop-thru / auto-termination); (for opt 17: BNCx2)
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:	12 volts (11.0-13.0 v), 70 watts (high bright, dimmer on High)
DC Connector:	XLR4-F (locking) (pin 1=gnd, 4=+volts)
AC Power (detached power supply included):	100-240 VAC, 80 watts max
AC Power Connector:	IEC 390-C14 3 pin Male (universal)
<b>DISPLAY</b>	
Window (Display Area):	12.09 x 9.07" / 307 x 230 mm
Cabinet Dimensions:	14.3 x 11.25 x 1.95" / 362 x 286 x 50 mm (whd)
Weight:	6.4 lbs / 2.9 kg (without stand, power supply, or rackmount)
Mounting / Rackmounting:	10-32 (Options: 19" Rackmount Ears (7 RU), Yoke, VESA 100)
Operating (full spec):	0 ~ +50°C @ 0-95% RH
Storage:	-20 ~ +60°C 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