



## Model d190LED



### 19" SD Video/PC Premium LCD Monitor

- High & Standard Definition Video LED Monitor
- 4-input Video Interface: Composite, Y/C S-Video, DVI, VGA
- Modes: EGA to WUXGA, NTSC/PAL/SECAM/NTSC4.43/PAL-M
- All 10-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; Scan Reverse
- Digital Adaptive Comb Filters

### SPECIFICATIONS

Active Area (Diagonal):	19.0" / 482 mm
<b>MODES</b>	
Operating Resolutions:	525/60, 625/50, 640 x 350/400/480, up through 1920 x 1080 (All resolutions at full screen or correct aspect ratio)
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>	
3-input Video Interface:	Composite, Y/C S-Video, PC VGA including RBBHV, RGBHV, DVI
Optional Digital Video Inputs:	SD SDI (Option 17, SMPTE 259M (270 Mb), YCrCb (Option 45)
Video Input Signals (normal):	1.0/0.7 Vpp (nominal , composite/S/VGA) (VGA will accept tri-sync)
<b>PICTURE</b>	
Aspect Ratios – Presets, including:	16:9, 4:3, and Variable
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:	1280 H x 1024 RGB Vertical Stripe (1,310,720 [RGB, x3] Pixels)
Pixel (RGB Trio) Pitch, Depth:	0.098xRGB H x 0.294 V
Brightness, typical, 0°:	300 nts (cd/m <sup>2</sup> )
Contrast Ratio, 0°:	2000:1 (high contrast)
Color Bit Depth:	16.7 million colors (10-bit Digital Processing)
Viewing Angle, contrast>10:1 :	176° (very wide angle)
Response Time:	15/5 ms (very fast / no lag)
Standard Definition Video Resolution:	450 TVL
<b>CONTROLS</b>	
User Controls:	On/Off, Menu System: Step, Increment, Decrement, Hot Keys
Remote Controls:	InfraRed (IR, Opt 16) or bi-direx and RS-232 (Opt 51)
<b>LIGHT</b>	
Light Source (standard):	White LEDs
Lamp Life:	50,000+ Hrs (minimum, replaceable)
<b>CONNECTORS</b>	
Video Connectors:	BNCx4(in/out 2: Hi-Z <i>passive</i> loop-thru / auto-termination)
S-Video (Y/C) Connector:	4-Pin Mini-Din
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 VDC, (10.0~15.0), 30 watts
DC Connector:	XLR4-M (Locking; pin 1: gnd, pin 4=+volts)
AC Power (detached power supply included):	90-264 VAC, 50/60 Hz, 60 watts (worldwide universal)
AC Power Connector:	IEC-320/C14 Male
<b>DISPLAY</b>	
Window (Display Area):	14.82 x 11.85" / 376 x 301 mm, Non Glare (strong, washable)
Cabinet Dimensions:	16.50 x 13.90 x 2.20" / 419 x 353 x 56 mm (whd)
Weight:	10 lbs / 4.5 kg (without stand, power supply, or rackmount)
Mounting / Rackmounting:	10-32 (standard), Options: 19" RM (8 RU), stands
Operating (full spec):	0 ~ +50°C, 10,000 ft
Storage:	-20 ~ +60°C 40,000 ft
Case Color & Material:	Textured Semi-Gloss Black Powder Hard Coat, Aircraft Aluminum
Available Options:	Table Stands, Wall Mount, Arms & Tilting Brackets
Approvals:	RoHS (Pb) Compliant Product

Specifications are subject to change without notice. January 2013