



Madel HDL12

12.1" LED Hi-Resolution, Video / PC, Premium Video Monitor

- · Very Bright Monitor for all indoor and some outdoor uses
- LED Backlight for cool running but with very low power consumption
- 2x HD SDI, 2- Composite, VGA (supports YPbPr/RGB)& DVI/HDMI [+HDCP]
- Modes: EGA to WUXGA input (up to 1920 x 1200) & 480/576/720/1080 in I, P, & sF; plus Composite NTSC/PAL/SECAM/NTSC4.43/PAL-M
- All 12-bit Digital Processing, Digital Adaptive Comb Filters
- Aspect Ratios: 16:9, 4:3, 1.85 to 1, etc. (Fixed and Adjustable)
- Fully Adjustable Scans: H & V sizes, Positions, Frame Markers
- RS-232 standard and IR optional

Active Area (Diagonal): 12.11'.31 cm (4.3 diagonal): 9.68 x 7.25'./246 x 184 mm MODES 1090/720/576/480 @232/4/25/30/06 ups/F Digital and Analog (autoselected), VESA VGA & OV Figh A Standard Definition Video Modes: EGA, VGA, SVGA, VGA, WGA, WGA, WUKGA, UUKGA, (up to 1920 x 1200 @ 60 Hz) Standard Definition Video Modes: NTSC / PAL / SECAMV NTSC4.43 / PAL-M (autoselected) HPUTS - 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGsB, RGBs, YPbPr), YCrCb), & HDM/DVI Picture Video Interface: 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGsB, RGBs, YPbPr), YCrCb), & HDM/DVI Picture-in-Picture: Viralable position window: inserts a video source into window over PC or HD image. Picture-by-Picture: Viralable position window: inserts a video source into window over PC or HD image. Picture-by-Picture: Stob PJ Side split Screen display Pixel (RGB Trio) Pitch, Depth: 0.308 h x 0.308 v mm Brightness, typical, 0'' 20 645 nts (cur2) (EX tended Brightness with dimming for twice normal performance) Color Bit Depth: 16.7 million colors (10-bit Digital Processing). Tests Ratio, 0'': 700:1 Dimming: F front panel control, 100 to 5% Coolor Bit Depth: 16.7 million colors (10-bit Digital Processing). Viewing Angle, co	SPECIFICATIONS		
MODES 1080720/576/480 @23/24/25/29/30/60 ip/sF Digital and Analog (autoselected), VESA VGA & DV PC Video Modes: EGA, VGA, SVGA, XGA, WXGA, SKGA, WSXGA, UXGA, WUXGA, Upto 1920 x 1200 @ 60 Hz) Standard Definition Video Modes: INTSC / PAL / SECAM NTSC4.43 / PAL-M (autoselected) 1090720/576/480 @23/24/25/29/30/60 ip/sF Digital and Analog (autoselected). VESA VGA, & DV INPUTS EGA, VGA, SVGA, XGA, WXGA, SGA, WSXGA, UXGA, WUXGA, WUXGA, UUXGA, WUXGA, WU	Active Area (Diagonal):		
High & Standard Definition Video Modes: 10607/20/576/480 (#232/42/5/20/20/60 (#vsF Digital and Analog (autoselected), VESA VGA & DV PC Video Modes: EGA, VGA, SVGA, XGA, WVXGA, SXGA, WXSGA, UXGA, WUXGA (up to 1920 x 1200 @ 60 Hz) Standard Definition Video Modes: NTSC / PAL / SECAM/ NTSC4.43 / PAL-M (autoselected) INPUTS 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGsB, RGBs, YPbPr), VCrCb), & HDMI/DVI Picture-in-Picture: 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGsB, RGBs, YPbPr), VCrCb), & HDMI/DVI Picture-in-Picture: Window is size and position adjustable. Picture-in-Picture: Size and position adjustable. Picture-in-Picture: Side by Side split screen display Pixel (RGB Trio) Picto, Depth: 0.308 h x 0.308 v mm Brightness, typical. 0°: 20-650 ntS (20/m2) (Extended Brightness with dimming for twice normal performance) Contrast Ratio, 0°: 700:1 Dimming: Front panel control, 100 to 5% Cooling to pth: 18: 500, V: 450° Response Time: 12/14 x / 3 ms Standard Definition Video Resolution: 455 TVL Cooling: Menu System: Step Up/Down, Increment, Decrement, Hot Keys, Dimmer, Input Select Keys, Or/C Remote Controls: Infrared(optional), Bi-direx			
PČ Video Modes: EGA, VGA, SVGA, XGA, WXGA, SGA, WSCA, UQXGA, WUXGA, Up to 1920 x 1200 @ 60 H2; Standard Definition Video Modes: NTSC / PAL / SECAM VNSC4.43 / PAL-M (autoselected) INPUTS 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGSB, RGBs, YPbPr), VCrCb), & HDM/DVI PfCTURE 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGSB, RGBs, YPbPr), VCrCb), & HDM/DVI PfCture 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGSB, RGBs, YPbPr), VCrCb), & HDM/DVI Pfcture-in-Picture : Variable position window; inserts a video source into window over PC or HD image. Picture-in-Picture : Variable position window; inserts a video source into window over PC or HD image. Picture-in-Picture : Side by Side split screen display Pixel (RGB Trio) Arrangement: 1024 H x 768 V RGB Vertical Stripe (786.432 RGB Pixels, 1 pixel=R+G+B) Pixel (RGB Trio) Pitch, Depth: 0.308 h x0 308 v mm Brightness, typical, 0°: 20-650 nts (cd/m2) (Extended Brightness with dimming for twice normal performance) Cooling: Paseive, (no fans) Cooling: Passive, (no fans) Cooling: Passive, (no fans) Cooling: Passive, (no fans) Cooling: Passive, (no fans) Cooling: Infrared(optional). Bi-direx RS-232(standard) User Cont		1080/720/576/480 @23/24/25/29/30/60 i/o/sE Digital and Analog (autoselected), VESA VGA & DVI	
Standard Definition Video Modes: INTSC / PAL / SECAM/ NTSC4 43 / PAL-M (autoselected) INPUT9 2 4:Input Video Interface: 2 HDSDI, 2 Composite, PC VGA (including RGBHV, RGsB, RGBs, YPbPr), YCrCb), & HDMI/DVI PICTURE Aspect Ratios- presets, including: 16:9, 4:3, Letterbox, and (de-) Anamorphic, Fixed and Variable Aspect Ratio Images Aspect Ratios- presets, including: 16:9, 4:3, Letterbox, and (de-) Anamorphic, Fixed and Variable Aspect Ratio Images Picture-in-Picture : Window is size and position adjustable. Picture-by-Picture: Side by Side split screen display Pixel (RGB Trio) Arrangement: 1024 H x 788 V RGB Vertical Stripe (786, 432 RGB Pixels, 1 pixel=R+G+B) Dimming: Front panel control, 100 to 5% Cooling: Pasityle, (no fans) Coloring: Pasityle, (no fans) Coloring: Pasityle, (no fans) Coloring: H ±80", V: ±80" Response Time: 12/13 ms Standard Definition Video Resolution: Hore XS-232(standard) User Controls: Infrared(optional), Bi-direx RS-232(standard) Light Source (standard): White LEDs Lamp Life: 50,000+ hours at full brite Composite	<u> </u>		
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Pixel (RGB Trio) Arrangement: 1024 H x 768 V RGB Vertical Stripe (786,432 RGB Pixels, 1 pixel=R+G+B) Pixel (RGB Trio) Pitch, Depth: 0.308 h x 0.308 v mm Pixel (RGB Trio) Pitch, Depth: 20-650 nts (cd/m2) (Extended Brightness with dimming for twice normal performance) Contrast Ratio, 0°: 700:1 Dimming: Front panel control, 100 to 5%. Cooling: Passive, (no fans) Color Bit Depth: 16.7 million colors (10-bit Digital Processing) Viewing Angle, contrast>10:1 : H: ±80°, V: ±80° Response Time: 12/13 ms Standard Definition Video Resolution: 450 TVL Controls: Infrared(optional), Bi-direx RS-232(standard) LIGHT Infrared(optional), Bi-direx RS-232(standard) Light Source (standard): White LEDS Larp Life: 50,000+ hours at full brite Composite Video Connector: BNCx4 (in/outs 2: Hi-Z passive loop-thrus / auto-terminations) VGA/PC Connector: DE-15HD-F (detachable 10' M/M cord) DV-2 forwer: 12 VDC ±10%, 25 watts (at full brite); (potional 9-36 volts input available) OC Connector: Industry Standard Types POWER Indowstry Standard Types <t< td=""><td></td><td>Side by Side shit screen display</td></t<>		Side by Side shit screen display	
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Cooling: Passive, (no fans) Color Bit Depth: 16.7 million colors (10-bit Digital Processing) Viewing Angle, contrast>10:1 : H: ±80°, V: ±80° Response Time: 12/13 ms Standard Definition Video Resolution: 450 TVL CONTROLS Infrared(optional), Bi-direx RS-232(standard) User Controls: Menu System: Step Up/Down, Increment, Decrement, Hot Keys, Dimmer, Input Select Keys, On/O Remote Controls: Infrared(optional), Bi-direx RS-232(standard) LIGHT User Controls: Light 50,000+ hours at full brite CONNECTORS E Connector: DBNCx4 (in/outs 2: Hi-Z passive loop-thrus / auto-terminations) VGA/PC Connector: DE-15HD-F (detachable 10' M/M cord) DVI-D Connectors: Industry Standard Types POWER DC power: 12 VDC ±10%, 25 watts (at full brite); (optional 9-36 volts input available) DC Connector: XLR-4M (pin 1=Gnd, pin 4=+volts) AC Power (detached power supply included): 90-264 VAC, 50/60 Hz, 30 watts AC Power Connector: IEC 320-C14 3 pin Male (universal) DISPLAY Industry St maded inserts on back romers. VE3 ATS mM 4s crew in center. Options: RM,wall,stand: Weight: <td< td=""><td></td><td></td></td<>			
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Viewing Angle, contrast>10:1 : H: ±80°, V: ±80° Response Time: 12/13 ms Standard Definition Video Resolution: 450 TVL CONTROLS Menu System: Step Up/Down, Increment, Decrement, Hot Keys, Dimmer, Input Select Keys, On/O Remote Controls: Menu System: Step Up/Down, Increment, Decrement, Hot Keys, Dimmer, Input Select Keys, On/O Remote Controls: Infrared(optional), Bi-direx RS-232(standard) LIGHT			
Response Time: 12/13 ms Standard Definition Video Resolution: 450 TVL CONTROLS Infrared(optional), Bi-direx RS-232(standard) User Controls: Infrared(optional), Bi-direx RS-232(standard) LIGHT Light Source (standard): White LEDs Lamp Life: 50,000+ hours at full brite CONRECTORS Connector: BNCx4 (in/outs 2: Hi-Z passive loop-thrus / auto-terminations) VGA/PC Connector: DE-15HD-F (detachable 10' M/M cord) DVI-D Connectors: Industry Standard Types POWER DC DC Connector: 12 VDC ±10%, 25 watts (at full brite); (optional 9-36 volts input available) DC Connector: XLR-4M (pin 1=Gnd, pin 4=-volts) AC Power (detached power supply included): 90-264 VAC, 50/60 Hz, 30 watts AC Power Connector: IEC 320-C14 3 pin Male (universal) DISPLAY Window (Display Area): Window (Display Area): 9.744 x 7.323 Cabinet Dimensions: 12 x 8.83 x 1.934 Weight: 4.0 lbs 1.8 kgs (without stand, power supply, or rackmount) Mounting / Rackmounting: 10-32 threaded inserts on back corners. VESA 75mm M4 screw in center. Options: RM,wall,stands Operating (full spec): -30° to 65° C,			
Standard Definition Video Resolution: 450 TVL CONTROLS User Controls: Menu System: Step Up/Down, Increment, Decrement, Hot Keys, Dimmer, Input Select Keys, On/O Remote Controls: Infrared(optional), Bi-direx RS-232(standard) LIGHT Light Source (standard): White LEDs Lamp Life: 50,000+ hours at full brite CONNECTORS ENCx4 (in/outs 2: Hi-Z passive loop-thrus / auto-terminations) VGA/PC Connector: DE-15HD-F (detachable 10' M/M cord) DVI-D Connectors: Industry Standard Types POWER E DC Power: 12 VDC ±10%, 25 watts (at full brite); (optional 9-36 volts input available) DC Connector: XLR-4M (pin 1=Gnd, pin 4=+volts) AC Power (detached power supply included): 90-264 VAC, 50/60 Hz, 30 watts AC Power Connector: IE C 320-C14 3 pin Male (universal) DISPLAY Window (Display Area): Window (Display Area): 9.744 x 7.323 Cabinet Dimensions: 12 x 8.83 x 1.934 Weight: 4.0 lbs/ 1.8 kgs (without stand, power supply, or rackmount) Mounting/ Rackmounting: 10-32 threaded inserts on back corners. VESA 75mm M4 screw in center. Options: RM,wall,stands Operating (full spec): -30° to 65° C, 0- 95% RH			
CONTROLS User Controls: Menu System: Step Up/Down, Increment, Decrement, Hot Keys, Dimmer, Input Select Keys, On/O Remote Controls: Infrared(optional), Bi-direx RS-232(standard) Light Light Source (standard): White LEDs Lamp Life: 50,000+ hours at full brite CONNECTORS Connector: BNCx4 (in/outs 2: Hi-Z passive loop-thrus / auto-terminations) VGA/PC Connector: DE-15HD-F (detachable 10' M/M cord) DVI-D Connectors: Industry Standard Types POWER DC Power: 12 VDC ±10%, 25 watts (at full brite); (optional 9-36 volts input available) DC Connector: XLR-4M (pin 1=Gnd, pin 4=+volts) AC Power (detached power supply included): DSPLAY IEC 320-C14 3 pin Male (universal) DISPLAY Window (Display Area): 9.744 x 7.323 Salinet Dimensions: 12 x 8.83 x 1.934 4.0 lbs/1.8 kg (without stand, power supply, or rackmount) Mounting / Rackmounting: Mounting / Rackmounting: 10-32 threaded inserts on back corners. VESA 75mm M4 screw in center. Options: RM,wall,stands Operating (full spec): -30° to 65° C, 0- 95% RH (non-condensing) (Extreme) Storage: -40° to +80° C (non-condensing) (Extreme) Case Color & Material: Textured Semi-Gloss Black			
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Approvals: RoHS (Pb) Compliant Product. High Vibration Environment Approved			
	Approvals:	RoHS (Pb) Compliant Product, High Vibration Environment Approved Specifications are subject to change without notice. January 2012	

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