

# LM-1750HDW

Multiple Format 17" Color LCD Monitor



## Key Features

- Inputs: HD/SD-SDI, HDMI, Analog RGBHV, Component YUV, Composite and YC (S-Video)
- Resolutions up to 1080p
- High Brightness, Pro Grade LCD Panel
- 16.7 Million Colors
- 5x Stereo Audio Inputs
- Blue Only and Sync Delay modes for easy setup
- Tally LEDs
- 160° Left/Right and 140° Up/Down Viewing Angles
- Vertically Tiltable Rackmount Housing

## LM-1750HDW

### Overview

The LM-1750HDW is a high performance Multi-format 17" Color LCD Monitor for the broadcast and professional market. A multitude of video signal formats may be accurately monitored. The high brightness, wide viewing angle, excellent contrast ratio and high definition color result in an outstanding image. The unit features inputs for SDI (either SD or HD) with an active output, HDMI, Analog RGBHV, YUV or YPbPr Component Video and 2x Composite Video. A YC input is available and can be used in lieu of one of the Composite inputs. NTSC & PAL Television Standards are supported and automatically detected. Five Stereo inputs are also provided and dual internal speakers driven by a 3 watt amplifier provide stereo audio monitoring capability. Front panel Tally LED's can be activated external via the DB9 connector.

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## Multiple Format 17" Color LCD Monitor

### Specifications

<b>Video Input</b>		<b>Composite &amp; S-Video Input</b>	
HD/SD-SDI	1x BNC with Active Output	TV Standards	NTSC/ PAL/ SECAM Auto-detect
HDMI	1x via HDMI Type A	<b>Audio Inputs and Outputs</b>	
Analog RGBHV	1x via HD-15 Female	Stereo Audio Inputs	4x via 2 RCA Connectors (R/L)
Composite Video	2x via BNC Connectors	Computer Audio Input	1x via 3.5mm Mini-Stereo Jack
YC (S-Video)	1x via 4-Pin Mini-DIN Connector	Speakers	Internal – Right & Left Channel
YUV/YPbPr Component	1x via 3 BNC Connectors	<b>Tally Control</b>	
<b>LCD Display</b>		Tally Input	1x via DB9 Connector
Display Size - Diagonal	439mm (17.3")	<b>Limited Warranty</b>	
Display Area	381.8mm x 214.8mm (15" x 8.5")	Unit, except LCD	3 Years Parts and Labor
Display Element	Active Matrix TFT	LCD Panel	Panel Manufacturer's Terms
Panel Resolution	1920 x 1080	<b>Mechanical – With Rackmount</b>	
Dot Pitch	0.198mm	Size (H-W-D)	483.5 x 310 x 59.7mm (19" x 12.2" x 2.35")
Color Resolution	16.7 Million Colors (24 bit)	Weight (Net)	9.0kg (19.8 lbs)
Contrast Ratio	600:1	Rackmount	7RU - Tilt Up/Down
Brightness	400 cd/m <sup>2</sup>	<b>Mechanical – Without Rackmount</b>	
Response Time	30 msec	Size (H-W-D)	437 x 300 x 59mm (17.2" x 11.8" x 2.3")
View Angle	Left 80, Right 80, Up 60, Down 80	Weight (Net)	8.0kg (17.6 lbs)
Aspect Ratio	16:9	Wall Mount	VESA Standard
SD-SDI Video Bandwidth	270Mbps (525/625 Line)	<b>Environmental</b>	
HD-SDI Video Bandwidth	1.485, 1.4835Gbps	Operating Temperature	-10° to +50°C (+14° to +122°F)
Industry Standards	HDMI v1.2, HDCP, SMPTE: 259M, 292M	Operating Humidity	10% to 90%, Non-condensing
<b>HD/SD-SDI Input Range</b>		Storage Temperature	-10° to +60°C (+14° to +140°F)
525i (NTSC)	720x525i @ 59.94, 60Hz	Storage Humidity	10% to 90%, Non-condensing
625i (PAL)	720x625i @ 50Hz	<b>Power Requirement</b>	
720p	1920x720P @ 50, 59.94, 60Hz	External Power Supply	12VDC@4A
1035i	1920x1035i @ 59.94, 60Hz	<b>Regulatory Approvals</b>	
1080i	1920x1080i @ 50, 59.94, 60Hz	Main Unit	FCC, CE, RoHS
1080p	1920x1080PSF @ 23.98, 24Hz 1920x1080P @ 23.98, 24, 25, 29.97, 30Hz	Power Supply	UL, CUL, CE, PSE, GS, RoHS
<b>HDMI &amp; Analog Component Input Range</b>		<b>Accessories Included</b>	
SDTV	480i, 576i	1x AC Power Adapter	US, UK or Euro Type
HDTV	480p, 576p, 720p, 1080i, 1080p	& Mounting Bracket	
<b>Analog RGBHV Input Range</b>		1x Operations Manual	
640x350	70, 85Hz	4x Rackmount Screws	
720x350	70, 85Hz	1x Set Rackmount Ears	Tilttable Configuration
640x400	70, 85Hz		
720x400	70, 85Hz		
640x480	60, 72, 75, 85Hz		
800x600	60, 70, 75Hz		
1024x768	60, 70, 72, 75Hz		
1152x864	60, 70, 72, 75Hz		
1440x900	60, 70, 72, 75Hz		

### Panel Drawing

