

# 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 Tilttable 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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### Specifications

<b>Video Input</b>	
HD/SD-SDI	1x BNC with Active Output
HDMI	1x via HDMI Type A
Analog RGBHV	1x via HD-15 Female
Composite Video	2x via BNC Connectors
YC (S-Video)	1x via 4-Pin Mini-DIN Connector
YUV/YPbPr Component	1x via 3 BNC Connectors
<b>LCD Display</b>	
Display Size - Diagonal	439mm (17.3")
Display Area	381.8mm x 214.8mm (15" x 8.5")
Display Element	Active Matrix TFT
Panel Resolution	1920 x 1080
Dot Pitch	0.198mm
Color Resolution	16.7 Million Colors (24 bit)
Contrast Ratio	600:1
Brightness	400 cd/m <sup>2</sup>
Response Time	30 msec
View Angle	Left 80, Right 80, Up 60, Down 80
Aspect Ratio	16:9
SD-SDI Video Bandwidth	270Mbps (525/625 Line)
HD-SDI Video Bandwidth	1.485, 1.4835Gbps
Industry Standards	HDMI v1.2, HDCP, SMPTE: 259M, 292M
<b>HD/SD-SDI Input Range</b>	
525i (NTSC)	720x525i @ 59.94, 60Hz
625i (PAL)	720x625i @ 50Hz
720p	1920x720P @ 50, 59.94, 60Hz
1035i	1920x1035i @ 59.94, 60Hz
1080i	1920x1080i @ 50, 59.94, 60Hz
1080p	1920x1080PSF @ 23.98, 24Hz 1920x1080P @ 23.98, 24, 25, 29.97, 30Hz
<b>HDMI &amp; Analog Component Input Range</b>	
SDTV	480i, 576i
HDTV	480p, 576p, 720p, 1080i, 1080p
<b>Analog RGBHV Input Range</b>	
640x350	70, 85Hz
720x350	70, 85Hz
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

<b>Composite &amp; S-Video Input</b>	
TV Standards	NTSC/ PAL/ SECAM Auto-detect
<b>Audio Inputs and Outputs</b>	
Stereo Audio Inputs	4x via 2 RCA Connectors (R/L)
Computer Audio Input	1x via 3.5mm Mini-Stereo Jack
Speakers	Internal – Right & Left Channel
<b>Tally Control</b>	
Tally Input	1x via DB9 Connector
<b>Limited Warranty</b>	
Unit, except LCD	3 Years Parts and Labor
LCD Panel	Panel Manufacturer's Terms
<b>Mechanical – With Rackmount</b>	
Size (H-W-D)	483.5 x 310 x 59.7mm (19" x 12.2" x 2.35")
Weight (Net)	9.0kg (19.8 lbs)
Rackmount	7RU - Tilt Up/Down
<b>Mechanical – Without Rackmount</b>	
Size (H-W-D)	437 x 300 x 59mm (17.2" x 11.8" x 2.3")
Weight (Net)	8.0kg (17.6 lbs)
Wall Mount	VESA Standard
<b>Environmental</b>	
Operating Temperature	-10° to +50°C (+14° to +122°F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-10° to +60°C (+14° to +140°F)
Storage Humidity	10% to 90%, Non-condensing
<b>Power Requirement</b>	
External Power Supply	12VDC@4A
<b>Regulatory Approvals</b>	
Main Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS
<b>Accessories Included</b>	
1x AC Power Adapter & Mounting Bracket	US, UK or Euro Type
1x Operations Manual	
4x Rackmount Screws	
1x Set Rackmount Ears	Tilttable Configuration

### Panel Drawing

