

# LM-503HDA

## Triple 5" HD Universal LCD Monitor



### Key Features LM-503HDA

- Inputs: SD/HD-SDI, RGBHV, YPbPr, CV & YC, + SDI & AES audio
- Resolutions up to 800x480, 1080p
- High Brightness, Pro Grade LCD Panels
- 16.7 Million Colors
- 600:1 Contrast Ratio
- Triple Tally LED's
- Audio monitoring
- 170° Left/Right and 170° Up/Down View Angles
- Vertically Tiltable Rackmount Housing
- Locking External DC Power Supply

**LM-503HDA** is a high performance Multi-format, Triple 5" Color LCD Monitor for the broadcast and professional market with SDI & AES audio inputs. A multitude of video signal formats may be accurately monitored, audio can be monitored by connecting headphones to the 3.5mm sockets on the front panel. 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, Analog RGBHV, YPbPr Component Video, a Composite Video and a YC input. NTSC and PAL Television Standards are supported and automatically detected. Front panel Tally LED's can be activated external via the DB9 connector. The Menu contains all the necessary controls to adjust Contrast, Brightness, Sharpness, Color Level (R-G-B), and other parameters necessary for optimum monitor performance. Results of these adjustments can be viewed via the On Screen Display. A rack mount kit is included that can tilt up or down. Although the monitor has excellent viewing angles, the tilt feature can be beneficial when circumstances necessitate mounting the monitor considerably above or below normal eye level.

## LCD Monitors

Distributor / Vertrieb:

**VIDELCO** – Professionelle Audio- Video- Medien-Technik!  
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# LM-503HDA Specifications

## LCD Panel

Display Size	5.0" (127mm) (Diagonal)
Display Area	4.25"x 2.55" (108 x 64.8mm)
Panel Resolution	800x480 (16x9)
Dot Pitch	0.135mm
Color Resolution	16.7 Million Colors
Contrast Ratio	600:1
Brightness	300 cd/m2
Response Time	25 msec
Left/Right View Angle	170°
Up/Down View Angle	170°
Aspect Ratio	16:9

## Video Inputs

SD/HD-SDI	1x via BNC with Active Output
Analog RGBHV	1x via HD-15 Female
Composite Video	1x via BNC Connectors
YC (S-Video)	1x via 4-Pin Mini-DIN Connector
YPbPr Component	1x via 3 BNC Connectors

## SD/HD-SDI Inputs

SDTV	480i, 576i
HDTV	1080P/30Hz, 1080P/29.97Hz, 1080P/25Hz, 1080P/24Hz, 1080P/23.98Hz, 1080i/60Hz, 1080i/59.94Hz, 1080i/50Hz, 1035i/60Hz, 1035i/59.94Hz, 720P/60Hz, 720P/59.94Hz, 720P/50Hz

## Analog Component Input Range

SDTV	480i, 576i
HDTV - YPbPr	480p, 576p, 720p, 1080i, 1080p

## Analog RGBHV Input Range

640x350	70, 85Hz
720x350	70, 85Hz
640x400	56, 70, 85Hz
720x400	70, 85Hz
640x480	60, 66, 72, 75, 85Hz
800x600	56, 60, 70, 72, 75, 85Hz
1024x768	60, 70, 72, 75, 85Hz

## CV/S-Video Inputs

Vert. Frequency	NTSC 60Hz, PAL 50Hz
Horiz. Frequency	NTSC 15.75KHz, PAL 15.625KHz

## Tally Control

Tally Input	1x via DB9 Connector
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## Power Requirement

External Power Supply	100-240VAC@36Watts for 12 VDC Output
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## Audio Monitoring Capability

Input Connectors	SDI, AES via BNC, Analog via RCA
SDI Input	Selectable up to 4 Stereo Channels
AES Input	1 Stereo Channel
Analog Input	L and R Channels
Visual Audio Level	Pseudo VU Meter via OSD

## General

Display Element	Active Matrix TFT
Video Adjustments	Brightness, Contrast, Sharpness, Color Level (RGB)
TV Standards	NTSC/ PAL Auto-detect
Aspect Ratio Modes	16:9, 4:3
SD-SDI	270Mbps (525/625 Line)
HD-SDI	1.485, 1.4835Gbps
Blue Only Mode	For Setup with Color Bars
Sync Delay Mode	For Checking Sync

## Front Panel Controls

Menu Navigation	Menu, Left, Right
Input Select	SDI, YPbPr, CV, SV, PC (RGBHV)
Power	On/Off

## Limited Warranty

Unit, except LCD	3 Years Parts and Labor
LCD Panel	Panel Manufacturer's Terms

## Mechanical

Size (H-W-D)	132.0 x 483.5 x 150mm (5.2" x 19" x 5.9")
Weight (Net)	5.5 kg (12.1 lbs) [6 kg (13.2lbs)]*
Rackmount	3RU - Tilt Up/Down

## Environmental

Operating Temperature	-10° to +50° C (+14° to +122° F)
Operating Temperature*	0° to +50° C (+32° 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

## Regulatory Approvals

Monitors	FCC, CE, RoHS
Power Supplies	UL, CUL, CE, PSE, GS, RoHS

## Accessories Included

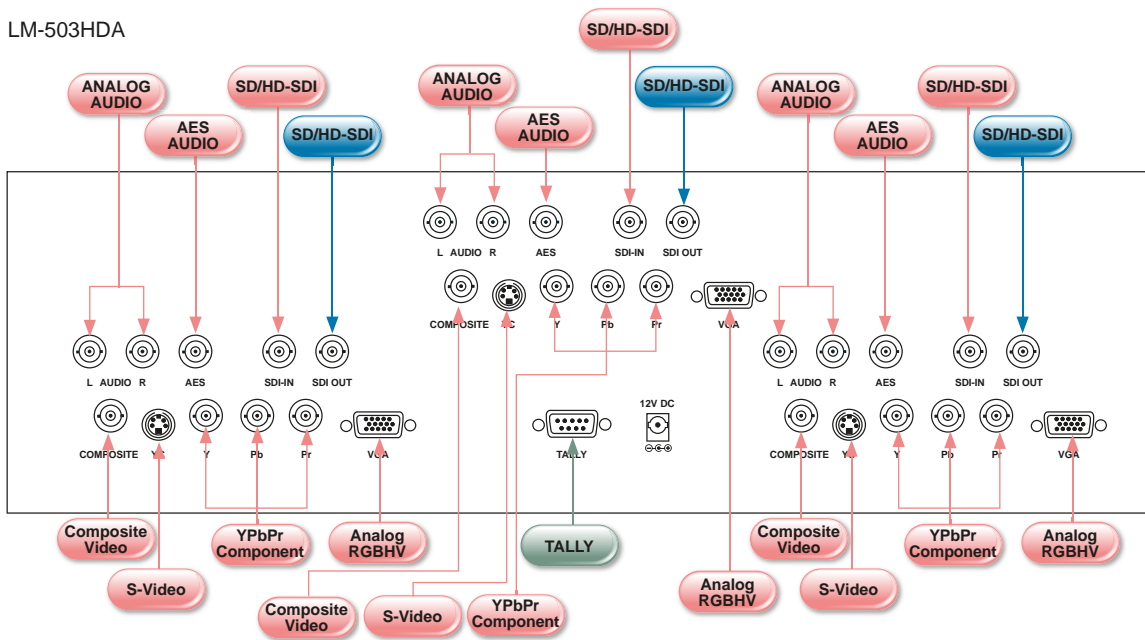
1x Power Adapter	US, UK or Euro
1x Operations Manual	
4x Rackmount Screws	

## Product Item Number

LM-503HDA	Triple 5" Rack Mount LCD Monitor
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