



# HDTV Color Monitor

Model LM-503HD

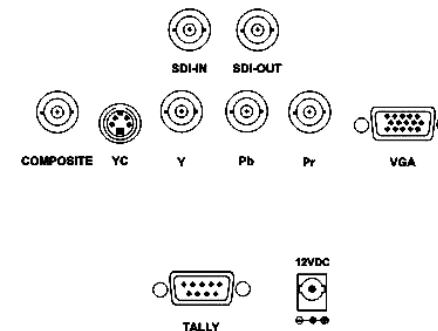
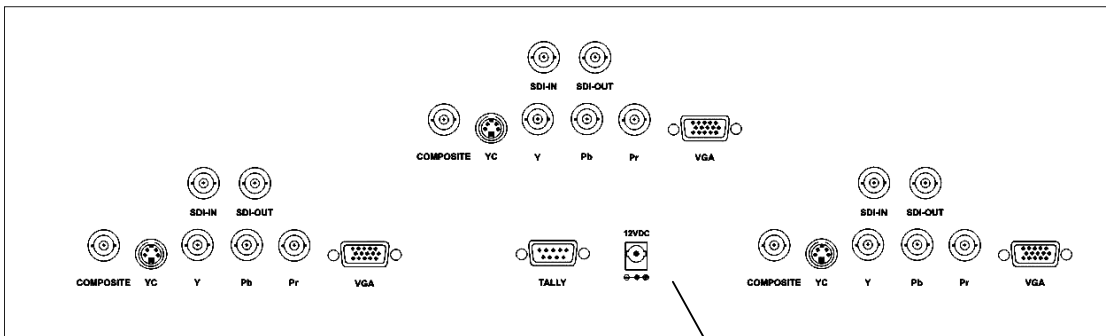
**LM-503HD** is a high performance Multi-format, Triple 5" Color LCD Monitor for the broadcast and professional market. A multitude of video signal formats may be accurately monitored. The high brightness, wide viewing angle, excellent contrast ratio and high definition color result in an outstanding image. The unit features inputs for SDI (either SD or HD) with an active output, 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.

### Key Features of the LM-503HD

- Inputs: SD/HD-SDI, RGBHV, YPbPr, CV & YC
- Resolutions up to 1024x768, 1080p
- High Brightness, Pro Grade LCD Panels
- 16.7 Million Colors
- 600:1 Contrast Ratio
- Triple Tally LED's
- 170° Left/Right and 170° Up/Down View Angles
- Vertically Tilttable Rackmount Housing
- Locking External DC Power Supply



### LM-503HD Connector Panel Detail



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## Specifications

<b>LCD Panel</b>	
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
<b>Video Inputs</b>	
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
<b>SD/HD-SDI Inputs</b>	
SDTV	480i, 576i
HDTV	1080P/30Hz, 1080P/29.97Hz, 1080P/25Hz, 1080P/24Hz, 1080P/23.98Hz 1080i/60Hz, 1080i/59.94Hz, 1080i/50 1035i/60Hz, 1035i/59.94Hz 720P/60Hz, 720P/59.94Hz, 720P/50
<b>Analog Inputs</b>	
SDTV	480i, 576i
HDTV - YPbPr	480p, 576p, 720p, 1080i, 1080p
<b>Analog RGBHV Inputs</b>	
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
<b>CV/S-Video Inputs</b>	
Vert. Frequency	NTSC 60Hz, PAL 50Hz
Horiz. Frequency	NTSC 15.75KHz, PAL 15.625KHz

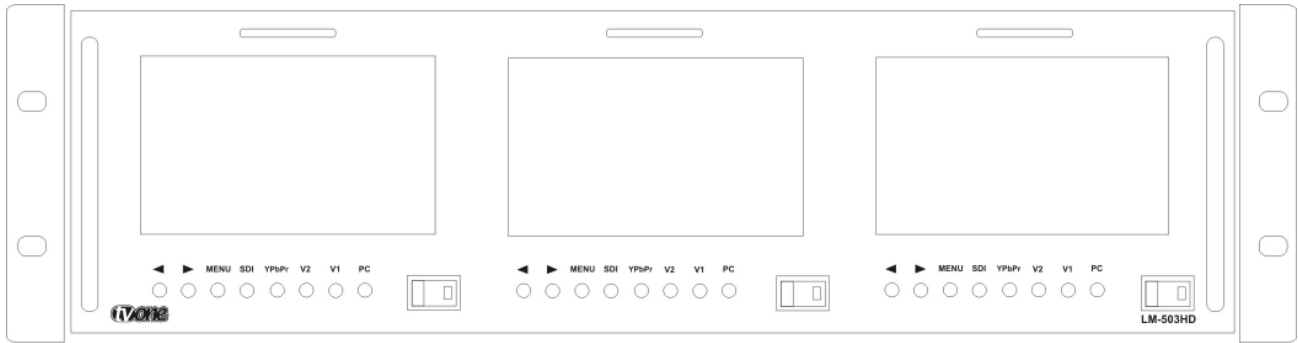
<b>Tally Control</b>	
Tally Input	1x via DB9 Connector
<b>General</b>	
Display Element	Active Matrix TFT
Video Adjustments	Brightness, Contrast, Sharpness, Color
TV Standards	NTSC/ PAL Auto-detect
Aspect Ratio Modes	16:9, 4:3
SD-SDI	270Mbps (525/625 Line)
HD-SDI	1.485, 1.4835Gpbs
<b>Front Panel Controls</b>	
Menu Navigation	Menu, Left, Right
Input Select	SDI, YPbPr, CV, SV, PC (RGBHV)
Power	On/Off
<b>Limited Warranty</b>	
Unit, except LCD	3 Year Parts and Labor
LCD Panel	Panel Manufacturer's Terms
<b>Mechanical</b>	
Size (H-W-D)	132.0x483.5x150mm(5.2"x19"x5.9")
Weight (Net)	5.5 kg (12.1 lbs)
Rackmount	3RU - Tilt Up/Down
<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>	
Monitors	FCC, CE, RoHS
Power Supplies	UL, CUL, CE, PSE, GS, RoHS
<b>Accessories Included</b>	
1x Power Adapter	US, UK or Euro
1x Operations Manual	
4x Rackmount Screws	
1x Set Rack Ears	Tiltable Configuration
<b>Product Item Number</b>	
LM-503HD	Triple 5" LCD Monitor



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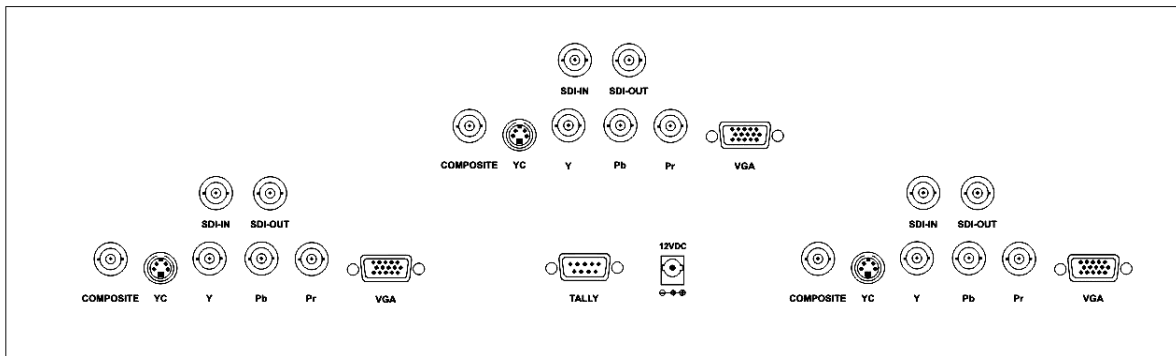
## Panel Drawings



LM-503HD Front Panel



LM-503HD Side View



LM-503HD Connector Panel

Available at: 

Call: 301-733-0657

Email: [sales@networkspectrum.com](mailto:sales@networkspectrum.com)

Other products available at:

[www.networkspectrum.com/gsaschedule/](http://www.networkspectrum.com/gsaschedule/)