



## LCD Color Multimedia Monitor

Models LM-1042R

**LM-1042R** is a high performance Dual 10.4" Color LCD Multimedia Monitor in a rackmount housing, occupying only 5 RU of vertical space. The high Active Matrix Display features wide viewing angles, an excellent contrast ratio and high brightness. NTSC and PAL TV Standards are automatically detected. Each display has a looping Composite Video input on BNC connectors and a Computer input via HD15 that handles PC resolutions up to SVGA. A Universal AC Adapter is provided and is fitted with a Locking DC Plug for security of connection. For convenience, the Power Adapter can mount on the rear of the monitor housing with the bracket provided.

The optional **LM-1042-EXP1** Input Expansion Module greatly extends the range of the computer input. It accepts PC resolutions up to SXGA, including WXGA, and all HDTV resolutions. The module can be used with either display. Up to two modules can be added, one for each display. The input resolution is automatically detected and can either be RGBHV, YPbPr or YCbCr format. In addition to PC and HDTV signals, the module can take interlaced Component Video. It has its own integral video processor to provide additional control over many signal parameters, such as R-G-B Levels and H-V Positioning. The module's output is connected to the monitor's PC input via an HD-15 cable. It is 12VDC powered and a small In-Plug Power Adapter is included.

### Key Features of the LM-1042R

- Composite Video In on BNC Looping
- PC in up to SVGA
- Optional Module HDTV Input Module
- High Brightness LCD Panels
- Professional Grade LCD Displays
- Wide Viewing Angle
- Universal AC Power Adapter
- Locking DC Power Plug

### Key Features of the LM-1042-EXP1

- PC Input Range Extension Module
- Automatic Input Signal Alignment
- PC Resolutions up to SXGA @ 75Hz
- WXGA Wide Screen
- All HDTV Resolutions
- YCbCr Component Video
- RGBHV, YPbPr, YCbCr Formats
- One Expansion Module can be added to Each Display

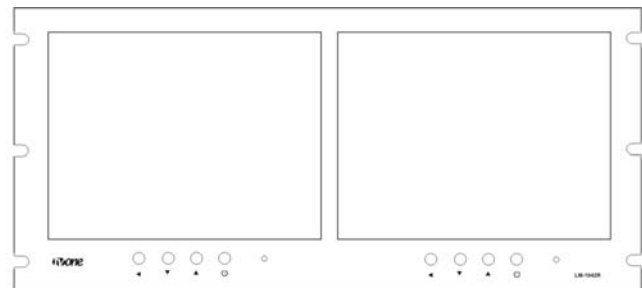


**LM-1042R**

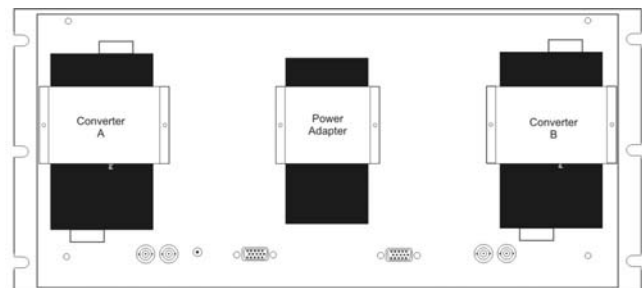


**Rear View with PS Mounted**

### Panel Drawings



**Front View**



**Rear View with PS & 2 Expansion Modules**



# LCD Color Multimedia Monitor

Model LM-1042R

## Specifications

<b>LM-1042R Monitor</b>	
<b>LCD Panels</b>	
Number of Displays	2x
Display Element	Active Matrix TFT
Aspect Ratio	4:3
Display Size	2x 10.4" (26.4cm) Diagonal
Panel Resolution	800x600
Contrast Ratio	400:1
Brightness	230 cd/m2
Response Time	45ms
Left/Right View Angle	55°
Up/Down View Angle	40°
<b>Inputs – Per Display</b>	
Composite Video	1x via BNC Connector (Looping)
Computer	1x via HD-15F Connector
<b>PC Input Range</b>	
Maximum Resolution	800x600
Vertical Freq Range	50-75Hz
Horizontal Freq Range	31-75KHz
<b>Controls – Per Display</b>	
Video Adjustments	Brightness, Contrast, Color
Source Selection	Composite or PC
Power	On/Off Switch
<b>General</b>	
TV Standards	NTSC - PAL Auto-detect
Vertical Frequency	NTSC:60Hz, PAL:50Hz
Horizontal Frequency	NTSC:15.75KHz, PAL:15.625KHz
<b>Limited Warranty</b>	
Unit, except LCD Panel	1 Year Parts and Labor
LCD Panel	Panel Manufacturer's Terms
<b>Mechanical</b>	
Size (H-W-D)	8.75"x19"x3"(222x482x76mm)
Weight (Net)	9.5 lbs (4.3 kg)
Rackmount Type	5 RU - Fixed
<b>Environmental</b>	
Operating Temperature	+14° to +122° F (0° to +50° C)
Operating Humidity	Up to 85%, Non-condensing
Storage Temperature	-4° to +158° F (-20° to +60° C)
Storage Humidity	Up to 85%, Non-condensing
<b>Power Requirement</b>	
External Power Supply	12VDC @ 25 Watts Nominal (Common PS for both Displays)
<b>Regulatory Approvals</b>	
Monitors	FCC, CE
Power Supplies	UL, CE, CSA
<b>Accessories Included</b>	
1x Operations Manual	
4x Rackmount Screws	
1x AC Power Adapter	100-240VAC to 12VDC @ 4A
1x PS Mounting Bracket	Power Adapter to Back of Unit
<b>Product Item Number</b>	
LM-1042R	Dual 10.4" Rackmount Monitor

<b>LM-1042-EXP1 Module</b>		
<b>Input Resolutions</b>		
<b>VESA</b>	<b>Resolution</b>	<b>Refresh Rate</b>
VGA	640x480	60, 72, 75, 85Hz
VGA70	720x400	70Hz
VESA85	640x400	85Hz
SVGA	800x600	60, 72, 75, 85Hz
XGA	1024x768	60, 70, 75, 85Hz
Mac	1152x864	70, 75Hz
WXGA	1280x768	60Hz
1280A	1280x960	60Hz
SXGA	1280x1024	60, 75Hz
<b>HDTV</b>	<b>Resolution</b>	<b>Refresh Rate</b>
480i	852x480	60Hz
480p	852x480	60Hz
576i	852x576	50Hz
576p	852x576	50Hz
720p	1280x720	60Hz
1080i	1920x1080	60Hz
<b>Input Format</b>		
RGBHV, YPbPr, YCbCr	Via HD-15 Female Connector	
<b>Output Format</b>		
Monitor Native Resolution	Via HD-15 Female Connector	
<b>Mechanical</b>		
Size (H-W-D)	1"x7"x4" (25x175x100mm)	
Weight (Net)	1.5 lbs (680g)	
<b>Power Requirement</b>		
External Power Supply	12VDC @ 800mA Maximum	
<b>Regulatory Approvals</b>		
Amplifier Units	FCC, CE	
Power Supplies	UL, CE, CSA	
<b>Accessories Included</b>		
1x VGA Interface Cable	12" - Module Out to Monitor In	
1x Component In Cable	6' HD-15M to 3 RCA	
1x Mounting Bracket	For Rear on Monitor	
1x Power Adapter	In-Line Type	
<b>Product Item Number</b>		
LM-1042-EXP1	Input Range Extender Module Maximum of 2 per LM-1042R	