



LCD Color Monitors

Models LM-1042R

LM-1042R is a high performance Dual 10.4" Color LCD Multimedia Monitor in a rackmount housing, occupying only five 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.

Input Expansion Modules provide greater input signal flexibility by increasing the range of PC resolutions, adding YPbPr HDTV, DVI or SDI inputs. The modules can be added to either or both displays. The modules automatically detect the input resolution and format and each has its own integral video processor to provide additional control over many signal parameters. The module's output is connected to either the monitor's PC input or the Composite Video input. Input Expansion Modules are DC powered and a small In-Plug Power Adapter is included.



LM-1042R



Rear View with PS Mounted

Key Features of the LM-1042R

- Composite Video In on BNC Looping
- PC In - up to SVGA
- Optional Input Range Extension Modules
- High Brightness, Pro Grade LCD Panels
- Wide Viewing Angle
- Universal Power Adapter
- Locking DC Power Plug

Key Features of the LM-1042-EXP1

- PC-HD Input Range Extension Module
- Automatic Input Signal Alignment
- PC up to SXGA, including WXGA
- All HDTV Resolutions
- RGBHV, YPbPr, YCbCr Formats In

Key Features of the LM-1042-EXP2

- DVI Input Range Extension Module
- Automatic Input Signal Alignment
- PC up to SXGA, including WXGA
- All HDTV Resolutions
- RGBHV, YPbPr Formats In

Key Features of the LM-1042-EXP3

- SDI Input Range Extension Module
- Standard SDI Video Input



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i-Tech Company LLC

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Specifications

LM-1042R Monitor

LCD Panels

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°

Inputs – Per Display

Composite Video	1x via BNC Connector (Looping)
Computer	1x via HD-15F Connector

PC Input Range

Maximum Resolution	800x600 (w/o Input Exp Module)
Vertical Freq Range	50-75Hz
Horizontal Freq Range	31-75KHz

Controls – Per Display

Video Adjustments	Brightness, Contrast, Color
Source Selection	Composite or PC
Power	On/Off Switch

General

TV Standards	NTSC - PAL Auto-detect
Vertical Frequency	NTSC:60Hz, PAL:50Hz
Horizontal Frequency	NTSC:15.75KHz, PAL:15.625KHz

Limited Warranty

Unit, except LCD Panel	1 Year Parts and Labor
LCD Panel	Panel Manufacturer's Terms

Mechanical

Size (H-W-D)	222x482x76mm (8.75"x19"x3")
Weight (Net)	4.3 kg (9.5 lbs)
Rackmount Type	5 RU - Fixed

Environmental

Operating Temperature	-10° to +50° C (+14° to +122° F)
Operating Humidity	20% to 80%, Non-condensing
Storage Temperature	-20° to +60° C (-4° to +140° F)
Storage Humidity	20% to 80%, Non-condensing

Power Requirement

External Power Supply	12VDC@ 2A - Locking DC (Common PS for both Displays)
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Regulatory Approvals

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

Accessories Included

1x Operations Manual	
4x Rackmount Screws	
1x Power Adapter	US, UK or Euro
1x PS Mounting Bracket	Power Adapter to Back of Unit

Product Item Number

LM-1042R	Dual 10.4" Rackmount Monitor
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LM-1042-EXP1 Input Expansion Module - Analog

VESA	Resolution	Refresh Rate
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
480p	852x480	60Hz
576p	852x576	50Hz
720p	1280x720	60Hz
1080i	1920x1080i	60Hz

LM-1042-EXP2 Input Expansion Module - DVI

VESA	Resolution	Refresh Rate
VGA	640x480	60, 72, 75, 85Hz
SVGA	800x600	60, 72, 75, 85Hz
XGA	1024x768	60, 70, 75, 85Hz
Mac	1152x864	70, 75Hz
WXGA	1280x768	60Hz
SXGA	1280x1024	60Hz
480p	852x480	60Hz
576p	852x576	50Hz
720p	1280x720	60Hz
1080i	1920x1080i	60Hz

I/OFormat - LM-1042-EXP1

Input Signal	RGBHV, YPbPr, YCbCr via HD-15
Output Signal	800x600 – Native Monitor Resolution

LM-1042-EXP2 Input Format

Input Signal	RGBHV, YPbPr via DVI-I
Output Signal	800x600 – Native Monitor Resolution

LM-1042-EXP3 Input Format

Input Signal	SDI via BNC
Output Signal	Composite Video via BNC

Mechanical

Size (H-W-D)	25x175x100mm (1"x7"x4")
Weight (Net)	680 g (1.5 lbs)

Power Requirement

External Power Supply	12VDC@800mA - Locking DC
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Regulatory Approvals

Amplifier Units	FCC, CE, RoHS
Power Supplies	UL, CUL, CE, PSE, GS, RoHS

Accessories Included

1x Operations Manual	
1x VGA Interface Cable	12" - Module Out to Monitor In
1x Mounting Bracket	For Rear of Monitor
1x Power Adapter	US, UK or Euro

Option Item Numbers

LM-1042-EXP1	Analog Input Extender Module
LM-1042-EXP2	DVI Input Extender Module
LM-1042-EXP3	SDI Input Extender Module



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Panel Drawings

