



## BROADCAST SERIES

**The unique choice for a dual monitor for Graphic and Video at cramped space conditions.**

- high-resolution (119 dpi) 8.4" active TFT LCD color display's
- wide viewing angles, high brightness (200 cd/m<sup>2</sup>) and contrast
- 4:3 aspect ratio screen, scalable into 16:9 mode, overscan mode
- Broadcast Quality video interface, showing the full video image
- MultiSync and MultiFormat capability
- internal ITU-R601 video signal processing
- multiple video inputs for Graphics, Composite, YC, Component and SDI
- native processing for serial 270 Mbit/s SDI inputs
- multiple graphic inputs for RGBHV, RGsB or RGBS (SVGA native)
- professional and reliable input connectors
- OSD menu for brightness, contrast, color, formats and input selection
- user programmable direct keys for quick operation
- IR remote controller and RS 232 control port as option
- Tally light at front, GPI&O port
- rugged full metal 19" 4 RU frame, ±21° vertical mounting alignment
- non-glare anti-reflective glass protection filter
- DC powered by external 12 V DC sources
- TouchScreen option on request
- LM 24 dual 4-channel audio level meter, analog & digital as additional option



**Space saving Monitoring Solutions for  
Broadcast, Industry, Medical, Office, Entertainment,  
Surveillance, Military or Aviation applications!**

# MultiFormat and SpaceSaving 19"-Rack Monitor

Dual High Quality LCD Monitor's for multiple purpose. Inputs for analog and serial digital video signals and analog graphic signals, capable to accept any format or standard in most common sync technologies.

## Technical Specifications:

Screen Type: . . . . . active matrix color TFT  
 Screen Size: . . . . . 8.4"  
 Screen Format: . . . . . 4:3 native aspect ratio  
 Pixel Resolution: . . . . . 800 x 600 RGB dots  
 Screen Resolution: . . . . . 119 dpi  
 Color Resolution: . . . . . 16 million colors  
 Color Temperature: . . . . . 6500°K nominal  
 Color Temp. Range: . . . . . 3200 to 9700°K, adjustable  
 Luminance: . . . . . 200 cd/m<sup>2</sup>  
 Contrast: . . . . . 200:1  
 Response Time: . . . . . <30 ms, typical  
 Viewing Angle H: . . . . . ±50° horizontal  
 Viewing Angle V: . . . . . ±40° vertical  
 Backlight: . . . . . single CCF Lamp  
 Backlight Lifetime: . . . . . >10.000 h's  
 Screen Classification: . . . . . A Grade  
 Screen Certification: . . . . . ISO 13406-2, Cl. 2

Power Requirements: . . . . . DC 12 V +50% / -15%  
 Power Connector: . . . . . XLR-4M  
 Power Consumption: . . . . . 38 W (@ LVM 208 DB)  
 Power Safety: . . . . . ground on frame

External Power Supply: . . . . . Switching Power Supply  
 External Voltage: . . . . . AC 100-240 V ±10%, 50-60 Hz  
 Mains Connector: . . . . . IEC-320 3pin  
 DC Output Connector: . . . . . XLR-4F (standard pinout)

Housing: . . . . . full metal  
 Frame Color: . . . . . coated RAL 7016  
 Panel Surface: . . . . . non-glare anti-reflective glass filter  
 Dimensions: . . . . . 482 (W) x 176 (H) x 90 (D) mm  
 Weight: . . . . . 3.4 kg  
 Frame Mounting: . . . . . 19" brackets ±21° adjustable

Environment: . . . . . 0 to +50°C, operation  
 Storage: . . . . . -30 to +60°C, 5 to 95% humidity  
 Certification: . . . . . CE, EN 50082-2, EN 55022

Accessories: . . . . . 19" brackets, terminators, manual  
 Options: . . . . . Power Supply, IR remote controller

Interface Typ: . . . . . TAMUZ "EAGLE"  
 Interface Characteristic: . . . . . Broadcast MultiSync MultiFormat  
 Image Processing: . . . . . scanning free scalable to any ratio  
 Video Processing: . . . . . HiRes digital adaptive Comb Filter  
 Serial Digital Processing: . . . . . native 4:2:2, 10 to 8 bit dithering  
 Operation: . . . . . OSD Menu, programmable direct keys  
 Remote Operation: . . . . . IR Controller, GPI/O

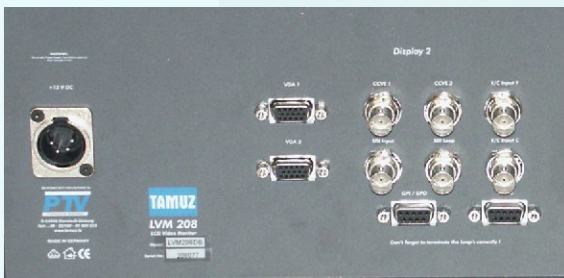
Graphic Input: . . . . . SVGA 800 x 600 native  
 Graphic Formats: . . . . . CGA, EGA, VGA, SVGA, W-SVGA, XGA, W-XGA, SXGA, W-SXGA, UXGA, MAC, Hercules and more  
 Sync Mode: . . . . . HV, RGSB, RGBS, composite  
 V-Sync: . . . . . Vmin = 23 Hz, Vmax = 110 Hz  
 H-Sync: . . . . . Hmin = 15 kHz, Hmax = 85 kHz  
 Graphic Connector: . . . . . Sub-D 15pin HD

Composite Video Input: . . . . . 1 Vpp, 5 MHz ±0.2 dB  
 Video Sync: . . . . . composite  
 Video S/N: . . . . . >65 dB  
 Video Standards: . . . . . 625/50, 525/60, auto detection of PAL, NTSC, SECAM  
 Impedance: . . . . . 75 Ohm, loop through  
 Video Connector: . . . . . BNC 75 Ohms type

Serial Digital Input: . . . . . 800 mVpp, 270 Mbit/s, 4:2:2 10 bit  
 Serial Digital Formats: . . . . . SMPTE 259M, EBU N10  
 Serial Digital Standards: . . . . . 625/50, 525/60, auto detection  
 Serial Digital Impedance: . . . . . 75 Ohm, active loop trough  
 Serial Digital Connector: . . . . . BNC 75 Ohms type

Tally Light: . . . . . LED in front for each display  
 Tally Function: . . . . . closed contact at GPI/O port  
 Tally Connector: . . . . . Sub-D 9pin

Audio Level Meter: . . . . . LM 34 A/D, corresponding to LVM 305  
 3x 4-channel PPM/VU meter



## Order Code:

	Input 1	Loop 1	Input 2	Loop 2	Input 3	Loop 3	Graphic	Tally	Remote	Weight	Power Con..
LVM 208 DB	CCVS	NO	CCVSI	NO	SDI	YES	SVGA	YES	GPI/O	3.4 kg	38 W
LVM 208 VB	CCVS	NO	CCVS	NO	Y	C	SVGA	YES	GPI/O	3.4 kg	34 W
LVM 208 B	NO	NO	NO	NO	NO	NO	SVGA	YES	GPI/O	3.3 kg	34 W

Options YC Input, Power Supply, customized colors



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