

TAMUZ

LCD VIDEO MONITORS

LVM 305^{Mk IV}

Triple LCD Monitor for CCVS and SDI



The best equipped triple MultiScreen monitor in the market with 5.6" 4:3 aspect ratio LCD panels.

- high-resolution (69 dpi) 5.6" active TFT LCD color display
- high brightness (300 cd/m²) and contrast
- 4:3 aspect ratio screen
- multi format high-quality video interface, PAL & NTSC auto-detection
- three composite video inputs for each display at version LVM 305 V
- two SDI and one composite video inputs for each display at version LVM 305 D
- 10 bit processing for serial 270 Mbit/s SDI inputs
- active loops for each input
- analog output of selected input signal
- professional and reliable input connectors
- direct controls for brightness, contrast, color and input selection
- Tally light at front, GPI&O port
- rugged full metal 19" 3 RU frame, $\pm 21^\circ$ vertical mounting alignment
- DC powered by external 12 V DC sources
- LM 34 triple 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

High Quality LCD Monitor's for multiple purpose in Broadcast, Industry or Surveillance applications.

As version "V" 3x analog video inputs or as version "D" 2x serial digital plus 1x analog video inputs at each display unit.

Technical Specifications:

Screen Type: active matrix color TFT
 Screen Size: 5.6"
 Screen Format: 4:3 native aspect ratio
 Pixel Resolution: 320 x 234 RGB dots
 Screen Resolution: 69 dpi
 Color Resolution: 16 million colors
 Color Temperature: 6500°K nominal
 Color Temp. Range: fix, not adjustable
 Luminance: 300 cd/m²
 Contrast: 150:1
 Response Time: 25 ms, typical
 Viewing Angle H: ±45° horizontal
 Viewing Angle V: +30/-10° 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: 34 W (@ LVM 305 D)
 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 filter
 Dimensions: 482 (W) x 132 (H) x 90 (D) mm
 Weight: 3.5 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

Interface Type: HC Video
 Interface Characteristic: MultiFormat
 Video Processing: HiRes adaptive Comb Filter
 Serial Digital Processing: native 4:2:2, 10 to 8 bit dithering
 Operation: direct keys and controls
 Remote Operation: GPI/O

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	Output	Tally	Remote	Weight	Power Con..
LVM 305 D	CCVS	YES	SDI	YES	SDI	YES	YES	YES	GPI/O	3.5 kg	34 W
LVM 305 V	CCVS	YES	CCVS	YES	CCVS	YES	YES	YES	GPI/O	3.5 kg	24 W

Options Power Supply, customized colors



TAMUZ - LCD Video Monitors

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