

TAMUZ

LCD VIDEO MONITORS

HCM 115

LCD Monitor for CCVS, SDI and VGA



An exclusive multi-format Video and Graphic monitor series in an elegant slim aluminum housing.

- high-resolution (86 dpi) 15" active TFT LCD color display
- wide viewing angles, high brightness (400 cd/m²) 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 Composite, YC, Component and SDI
- native processing for serial 270 Mbit/s SDI inputs
- multiple graphic inputs for RGBHV, RGsB or RGSB (XGA 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
- Tally light at front, GPI&O port
- rugged, but an elegant slim design
- lightweight full metal frame with 19" rack brackets and VESA75 threads
- anti-reflective glass protection filter
- DC powered by external 12 V DC sources
- TouchScreen option on request



**High-End Monitoring Solutions for
Broadcast, Industry, Medical, Office, Entertainment,
Surveillance, Military or Aviation applications!**

MultiFormat and SpaceSaving Flatpanel Monitor

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

Technical Specifications:

Screen Type: active matrix color TFT
 Screen Size: 15.1"
 Screen Format: 4:3 native aspect ratio
 Pixel Resolution: 1024 x 768 RGB dots
 Screen Resolution: 86 dpi
 Color Resolution: 16 million colors
 Color Temperature: 6500°K nominal
 Color Temp. Range: 3200 to 9700 °K select and adjustable
 Luminance: 400 cd/m²
 Contrast: 350:1
 Response Time: 22 ms, typical
 Viewing Angle H: ±75° horizontal
 Viewing Angle V: +75°/-50° vertical
 Backlight: multiple CCF Lamps
 Backlight Lifetime: >50.000 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: 40 W (@ HCM 115 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

Housing: full lightweight metal
 Frame Color: coated RAL 7016
 Front Cover: solid aluminum faceplate
 Front Color: golden colored eloxal
 Panel Protection: non-glare anti-reflective glass filter
 Dimensions: 385 (W) x 308 (H) x 68 (D) mm
 Weight: 4,8 kg
 Frame Mounting: desktop stand, 19" brackets
 VESA Mounting: VESA75 threads at rear

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

Accessories: desktop stand, 19" brackets, manual
 Options: Power Supply, VESA arms, IR remote controller, TouchScreen

Interface Type: 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, RS232

Graphic Input: XGA 1024 x 768, native
 Graphic Formats: CGA, EGA, VGA, SVGA, W-SVGA, XGA, W-XGA, SXGA, W-SXGA, UXGA, MAC, Hercules and more
 Sync Mode: HV, RGB, 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
 YC Video Input Y: 1 Vpp Y, 5 MHz ±0.2 dB
 YC Video Input C: 850 mVpp C, 2.5 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 terminated
 Video Connector: BNC 75 Ohms type

Component Input: 700 mVpp, 5 MHz ±0.2 dB
 Component Formats: RGB/YUV
 Component Standards: 625/50, 525/60, auto detection
 Component Sync: composite, Sync on Green
 Component S/N: >65 dB
 Component Impedance: 75 Ohm terminated
 Component Connector: Sub-D 15pin HD, BNC 75 Ohm type on request

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
 Tally Function: closed contact at GPI/O port
 Tally Connector: Sub-D 9pin



Order Code:	Graphic 1	Graphic 2	CCVS 1	CCVS 2	YC	Component	SDI In	SDI Out	HDSDI In	HDSDI Out	Remote	Weight	Power Con..
HCM 115 DB	XGA	XGA	YES	YES	YES	Option	YES	YES	NO	NO	GPI/O	5,9 kg	40 W
HCM 115 VB	XGA	XGA	YES	YES	YES	Option	NO	NO	NO	NO	GPI/O	5,8 kg	36 W
HCM 115 B	XGA	DVI	NO	NO	NO	NO	NO	NO	NO	NO	RS232	5,7 kg	36 W
Options	Component Input, DVI Input, RS232 port, Power Supply, IR Remote Controller, TouchScreen, VESA Arms, customized colors												



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