

TAMUZ

LCD VIDEO MONITORS

HCM 117W HD

LCD Monitor for SingleLink HDSDI



Desktop style HDTV LCD Monitor with high resolution and 4:2:2 HDSDI inputs

- high-resolution (88 dpi) 17" active TFT LCD color display
- wide viewing angles, high brightness (400 cd/m²) and contrast
- 15:9 aspect ratio screen, normal and overscan mode
- Broadcast Quality video interface, showing the full video image
- MultiSync and MultiFormat capability
- multiple video inputs for HDSDI and SDI
- native pixel-to-pixel or down-scaling processing for serial single link HDSDI inputs
- Native pixel-to-pixel or upscaling processing for serial 270 Mbit/s SDI inputs
- analog inputs for YUV, CCVS and graphic sources
- professional and reliable input connectors
- OSD menu for brightness, contrast, color, formats and input selection
- rugged, but an elegant slim design
- lightweight full metal frame
- anti-reflective glass protection filter
- AAC Automatic Calibration and Alignment with color probe PM 5639-T capable
- DC powered by external 12 V DC sources

**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 serial digital SD and HD, and analog video signals.
Accepting 4:2:2 SD/HD-SDi signals, AAC Automatic Calibration and Alignment with Color Probe PM 5639-T

Technical Specifications:

Screen Type: active matrix color TFT, MVA technology
Screen Size: 17" wide
Screen Format: 15:9 native aspect ratio
Pixel Resolution: 1280 x 768 RGB dots
Screen Resolution: 88 dpi
Color Resolution: 16 million colors
Color Temperature: 6500°K nominal
Color Temp. Range: 3200 to 9300 °K select and adjustable
Luminance: 400 cd/m²
Contrast: 500:1
Response Time: 20 ms, typical
Viewing Angle H: ±80° horizontal
Viewing Angle V: ±80° vertical
Backlight: multiple CCF Lamps
Backlight Lifetime: >25.000 h's
Screen Classification: A Grade
Screen Certification: ISO 13406-2, Cl. 2

Tally Light: LED in front as option
Tally Feature: closed contact at GPI/O port
Tally Connector: Sub-D 9pin

Power Requirements: DC 12 V +50% / -15%
Power Connector: XLR-4M
Power Consumption: 48 W
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: 442 (W) x 308 (H) x 65 (D) mm
Weight: 6,2 kg
Frame Mounting: desktop stand
VESA Mounting: VESA75 threads at rear

Environment: 0 to +45°C, operation
Storage: -30 to +60°C, 5 to 90% humidity
Certification: CE, EN 50082-2, EN 55022

Accessories: desktop stand, IR Remote, manual

Interface Type: TAMUZ "FALCON-3"
Interface Characteristic: HDTV MultiFormat
Image Processing: HDTV native 4:2:2 10 to 8 bit dithering
Video Processing: HiRes digital pixel mapping
Serial Digital Processing: native SMPTE 292M or 352M
Aspect Ratio: 16:9, full image as standard
Active Area: 1280 x 768 RGB dots
Anamorphic Filter: no
Overscan Mode: Yes
Markers: no, option
Operation: OSD Menu
Remote Operation: option IR remote, RS 232

Serial SD/HD Inputs: 800 mVpp, 1.5 Gbit/s, 4:2:2 10 bit, 800 mVpp
Serial SD/HD Formats: SMPTE 260M / 274M / 269M / 352M
. 1080i @ 30/29,97
. 1080i @ 25
. 1080p @ 60/59,97
. 1080p @ 50
. 1080p @ 30/29,97
. 1080p @ 25
. 1080p @ 24/23,98
. 720p @ 60/59,97
. 720p @ 50
. 576i @ 25
. 480i @ 30
Serial SD/HD Impedance: 75 Ohm terminated
Serial SD/HD Connector: BNC 75 Ohms type

Graphic Input: UXGA 1600 x 1200, 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
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 active loop through
Video Connector: BNC 75 Ohms type, 4pin miniDIN

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 active loop through
Component Connector: Sub-D 15pin HD, BNC 75 Ohm



Order Code:

	HDSi	DualLink	HD	SDi	YUV	YC	CCVS	Remote	Weight	Power Con..
HCM 117W HD-SL	YES	NO	YES	YES	YES	YES	YES	RS 232	6,2 kg	48 W

Options Flight-Case, Power Supply, VESA Arms, customized colors, Calibration Probe



TAMUZ - LCD Video Monitors

a division of

PTV Professional TeleVision GmbH ~ Tiedenkamp 16 ~ D-24558 Henstedt-Ulzburg
fon and fax: +49 - (0)700 - TAMUZLCD [826 895 23]

www.tamuz.tv