

TAMUZ

LCD VIDEO MONITORS

HCM 115W HD

LCD Monitor for DualLink HDSDI



HDTV FALCON

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

- high-resolution (98 dpi) 15.4" active TFT LCD color display
- wide viewing angles, high brightness (200 cd/m²) and contrast
- 16:9 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 processing for serial dual link HDSDI inputs
- Native pixel-to-pixel or upscaling processing for serial 270 Mbit/s SDI inputs
- 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 video signals, capable to accept any HD format. Accepting 4:2:2 and 4:4:4 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	Interface Type:	TAMUZ "FALCON-3"
Screen Size:	15.4" wide	Interface Characteristic:	HDTV MultiFormat
Screen Format:	16:9 native aspect ratio	Image Processing:	HDTV native 4:2:2 10 to 8 bit dithering, or 4:4:4 RGB 12 bit to 8 bit dithering
Pixel Resolution:	1920 x 1080 RGB dots	Video Processing:	HiRes digital pixel mapping
Screen Resolution:	98 dpi	Serial Digital Processing:	native SMPTE 292M or 352M
Color Resolution:	16 million colors	Aspect Ratio:	16:9, full image as standard
Color Temperature:	6500°K nominal	Active Area:	1920 x 1080 RGB dots
Color Temp. Range:	3200 to 9300 °K select and adjustable	Anamorphic Filter:	no
Luminance:	200 cd/m ²	Overscan Mode:	Yes
Contrast:	400:1	Markers:	no, option
Response Time:	25 ms, typical	Operation:	OSD Menu
Viewing Angle H:	±75° horizontal	Remote Operation:	option IR remote, RS 232
Viewing Angle V:	±75° vertical		
Backlight:	multiple CCF Lamps	Serial SD/HD Inputs:	10 bit, 1.5 Gbit/s
Backlight Lifetime:	>25.000 h's		800 mVpp, SingleLink, 4:2:2
Screen Classification:	A Grade		800 mVpp, DualLink, 4:4:4
Screen Certification:	ISO 13406-2, Cl. 2	Serial SD/HD Formats:	SMPTE 260M / 274M / 269M / 352M
			1080i @ 30/29.97
Tally Light:	LED in front as option		1080i @ 25
Tally Feature:	closed contact at GPI/O port		1080p @ 30/29.97
Tally Connector:	Sub-D 9pin		1080p @ 25
			1080p @ 24/23.98
Power Requirements:	DC 12 V +50% / -15%		720p @ 60/59.97
Power Connector:	XLR-4M		720p @ 50
Power Consumption:	35 W		576i @ 25
Power Safety:	ground on frame		480i @ 30
		Serial SD/HD Impedance:	75 Ohm terminated
External Power Supply:	Switching Power Supply	Serial SD/HD Connector:	BNC 75 Ohms type
External Voltage:	AC 100-240 V ±10%, 50-60 Hz		
Mains Connector:	IEC-320 3pin	USB port:	USB2 support for adjustments in the digital processing
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 65 (D) mm		
Weight:	4,3 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		



Order Code:

	HDSDI	DualLink	HD	SDI	YUV	YC	CCVS	Remote	Weight	Power Con..
HCM 115W HD	YES	YES	YES	NO	NO	NO		RS 232	4,3 kg	35 W
Options	Flight-Case, Power Supply, VESA Arms, customized colors, Calibration Probe									



TAMUZ - LCD Video Monitors

a division of

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