

TAMUZ

LCD VIDEO MONITORS

HCM 127W

LCD Monitor for CCVS, SD/HD-SDI and VGA



GOLDEN EAGLE series

***A exclusive multi-format Video and Graphic Monitor series
in an elegant slim aluminum housing***

- high-resolution (64 dpi) 27" active TFT LCD color display
- wide viewing angles, high brightness (500 cd/m²) and contrast
- 16:9 aspect ratio screen, selectable into 4:3 mode, overscan mode
- MultiSync Broadcast Quality video interface, displaying the full video image
- internal ITU-R601 video signal processing
- multiple video inputs for Composite, YC, Component, SDI and HDSDI
- multiple graphic inputs for RGBHV, RGsB or RGSB (W/XGA native)
- professional and reliable input connectors
- OSD menu for brightness, contrast, color, formats and input selection
- 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 VESA100/200 threads
- anti-reflective glass protection filter
- DC powered by external 24 V DC sources



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

LargeScreen MultiFormat Flatpanel Monitor

The **GOLDEN EAGLE** series is a High Quality LCD Monitor series for multiple purpose, capable to accept any format or standard in most common sync technologies. Applicable as a desktop monitor when the stand is fitted, additionally equipped with VESA75/100 threads.

Technical Specifications:

Screen Type: active matrix color TFT, ISP technology
 Screen Size: 27" wide
 Screen Format: 16:9 native aspect ratio
 Pixel Resolution: 1366 x 768 RGB dots
 Screen Resolution: 64 dpi
 Color Resolution: 16 million colors
 Color Temperature: 6504°K nominal
 Color Temp. Range: 3200 to 9300 °K select and adjustable
 Luminance: max. 400 cd/m²
 Contrast: 600:1
 Response Time: 15 ms, typical
 Viewing Angle H: ±85° horizontal
 Viewing Angle V: ±85° vertical
 Backlight: multiple CCF Lamps
 Backlight Lifetime: >50.000 h's
 Screen Classification: A Grade
 Screen Certification: ISO 13406-2, Cl. 2

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

Power Requirements: DC 24 V +10% / -10%
 Power Connector: XLR-5M
 Power Consumption: max. 90 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-5F

Housing: full lightweight metal
 Frame Color: coated RAL 7016
 Front Cover: solid aluminum faceplate
 Front Color: golden colored anodized
 Panel Protection: non-glare anti-reflective glass filter
 Dimensions: 701 (W) x 450 (H) x 91 (D) mm
 Weight: 16 kg
 VESA Mounting: VESA100/200 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: IR remote, stand, manual
 Options: Designer desktop stand

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
 Aspect Ratio: 16:9 normal, 4:3 selectable
 Viewable Area: active video, scalable to full signal
 WSS Detection: selectable
 Operation: OSD Menu, remote controllable
 Remote Operation: IR Controller, Rs232
 AAC Port: Probe PM5639/T port at front

Graphic Input: W-XGA 1366 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, 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
 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 or BNC 75 Ohm 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

HD-SDI Input: for HD applications select a monitor from the FALCON series



TAMUZ **GOLDEN EAGLE** monitors are available as version VB (analog video plus VGA inputs or DB (additional SD-SDI inputs). All monitors are equipped with the AAC feature for Automatic Alignment and Calibration with a probe PM5639T.



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