

**TAMUZ
MONITORS**

LSM 157W

Digital Broadcast Monitor



SPARROWHAWK series

A high-quality multi-format Broadcast Video Monitor, for SD and HDTV Master Control or MultiViewer applications

- High-resolution FullHD active matrix TFT LCD color displays
- Alignable to fulfill EBU t3320 Class-2 Recommendation
- QA follows EBU t3325 Recommendation, assured by KonicaMinolta CS-2000
- MultiSync and MultiFormat capability
- Video de-interlacer switchable, shortest processing time 1 field
- Multiple inputs for SD/HD-SDI, RGBHV, RGsB or RGBS, DVI, CCVS
- OSD menu for individual setups
- IR remote controller and IP addressable 10/100 baseT port
- Built-in AAC Auto Alignment and Calibration with optional Color Analyzer probe
- Rugged and compact lightweight full metal housing design
- Usable as wall or desktop monitor
- Anti-reflective glass protection filter, optional with ND function



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

Universal BigScreen Monitor for Desktop or MultiViewer Wall

TAMUZ SPARROWHAWK monitors are fully loaded with state-of-the-art LCD technology and offers MultiSync I/O for analog or digital Video or Graphic signals. The monitors are equipped with VESA 100/200 threads to be mountable at VESA compatible mounting systems.

Technical Specifications:

Screen Type: active matrix color TFT, MVA technology
 Screen Size: 57"
 Screen Format: 16:9 native aspect ratio
 Pixel Resolution: 1920 x 1080 RGB dots
 Screen Resolution: 39 dpi
 Color Resolution: 16 million colors
 Color Reproduction: full EBU color space
 Color Temperature: 6504°K nominal
 Color Temp. Range: 3200 to 9300 °K select and adjustable
 Brightness @ Studio: aligned to 73 fL / 250 cd/m²
 Black @ Studio: aligned to <0,1 fL / 0,21 cd/m²
 Contrast @ Studio: >1.200:1 for static B/W/B
 Brightness: max. 350 cd/m²
 Black: <0,4 cd/m²
 Contrast: >1.200:1 for static B/W/B
 Response Time: 6 ms, typical
 Viewing Angle H: ±85° horizontal
 Viewing Angle V: ±85° vertical
 Backlight: multiple CCFL lamps
 Backlight Lifetime: >60.000 h's
 Screen Classification: A Grade
 Screen Certification: ISO 13406-2, Cl. 2

Remote Port: 10/100 baseT TCP/IP
 Remote Connector: RJ-45
 Web Interface: accessible with any browser

Internal Power Supply: Switching Power Supply
 Power Consumption: 320 W (@ LSM 157W HD)
 Mains Voltage: AC 100-240 V ±10%, 50-60 Hz
 Mains Connector: IEC-320 3pin
 Power Safety: ground on frame

Housing: full lightweight metal
 Frame Color: coated RAL 9003 (black)
 Panel Protection: non-glare anti-reflective glass filter
 T92/98
 optional T62 ND Filter
 Dimensions: 1344 (W) x 782 (H) x 140 (D) mm
 Weight: 49 kg
 VESA Mounting: 100/200 at left and right side

Environment operation: 0 to +50°C, 15 to 85% humidity
 storage: -30 to +60°C, 5 to 90% humidity
 Certification: CE, EN 50082-2, EN 55022

Accessories: IR Remote, manual
 Options: analog HD Component Inputs, VESA
 200 center adapter

LSM 157W. DVI and VGA inputs
LSM 157W HD. SD/HD-SDI, CCVS, DVI and VGA inputs

Interface Type: TAMUZ FALCON
 Interface Characteristic: HDTV MultiFormat
 Image Processing: scanning free scalable to any ratio,
 HDTV native 4:2:2 10 to 8 bit dithering
 Video Processing: HiRes digital adaptive Comb Filter,
 HiRes digital pixel mapping
 Processing Times: min. 1 field@I-mode, 1 frame@ P-
 mode
 Serial Digital Processing: native SMPTE 292M or 352M
 Aspect Ratio: 16:9, full image as standard
 Under-/Overscan Mode: Yes
 Markers: Center, SafeArea, SafeTitle, 4:3 SD,
 Academy, CinemaScope, User
 IMD Function: UMD, Timecode, Tally
 Closed Caption: decoding 608 line 21 and VANC
 Operation: OSD Menu
 Remote Operation: IR remote, RS 232, TCP/IP 10/100

SD/HD-SDI Inputs: 10 bit, 1.5 Gbit/s
 800 mVpp, SingleLink, 4:2:2
 SD/HD Formats: SMPTE 260M / 274M / 269M / 352M
 1080i @ 30 / 29.97 / 25
 1080p @ 30 / 29.97 / 25 / 24 / 23.98
 720p @ 60 / 59.97 / 50
 576i @ 25
 480i @ 30
 SD/HD-SDI Impedance: 75 Ohm terminated
 SD/HD-SDI Connector: BNC 75 Ohms type

Graphic analog Input: 1x W-UXGA 1920 x 1080, native
 Graphic digital Input: 1x DVI-D 1920 x 1080, native
 Graphic Formats: CGA, EGA, VGA, SVGA, W-SVGA, XGA,
 W-XGA, SXGA, W-SXGA, UXGA, W-
 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
 DVI Connector: DVI-D 28pin

Composite Video Input: 2x 1 Vpp, 5 MHz ±0.2 dB
 Video Sync: composite
 Video S/N: >65 dB
 Video Standards: 625/50, 525/60, auto detection
 WSS Detection: at PAL
 Impedance: 75 Ohm active loop through
 Video Connector: BNC 75 Ohms type

Component Input: 1x 700 mVpp, 30 MHz ±1.5 dB
 Component Formats: RGB/YUV
 Component HD: 1080i60, 1080i50, 1080p60, 1080p50
 Component SD: 625i50, 525i60
 Component Sync: composite, Sync on Green
 Component S/N: >60 dB
 Component Impedance: 75 Ohm terminated
 Component Connector: BNC 75 Ohm

The SPARROWHAWK monitors are available in various screen sizes from 20" up to 82"W. All monitors are equipped with the Automatic Alignment and Calibration feature (AAC) using a color analyzer probe. The integrated TCP/IP port allows remote control by the MRC software.



Handmade In Germany

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