

TAMUZ
MONITORS

LSM 2182w

Digital Signage / Broadcast Monitor

SPARROWHAWK 2.0



A high-quality multi-format Video Monitor, for Broadcast or Control Room or MonitorWall applications

- High-resolution active matrix TFT LCD color displays of latest technology
- Next-Generation advanced Image Processing Engine supporting 120 Hz and 10bit panels
- Alignable to fulfill EBU t3320 Class-2 Recommendation
- QA follows EBU t3325 Recommendation, assured by KonicaMinolta CS-2000 spectrometer
- MultiSync and MultiFormat capability at graphic or video I/O's
- Inputs for SD/HD/3G-SDI, DVI/HDMI, RGBHV, RGsB or RGBS, CCVS, YC, YUV, OpticalFibre
- Individual combination of inputs selectable by optional Licence Keys
- Remote operation by IR remote controller, RS232 port and IP addressable 10/100 baseT port
- Built-in AAC Auto Alignment and Calibration with optional Color Analyzer Probe
- Rugged, compact and lightweight full metal housing design with VESA mounting threads
- Monitor Wall Processor built-in, 1x1 up to 8x8 displays
- Anti-reflective Glass Protection Filter with or without ND function as option
- Available as basic standard or individual equipped and customized monitor



**High-End Monitoring Solutions for
your Broadcast and PostProduction applications!**

Universal BigScreen Monitor for Desktop or MultiViewer Wall

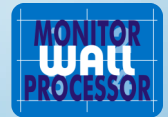
TAMUZ® SPARROWHAWK 2.0 Monitors contain state-of-the-art LCD technology and can be individually equipped with a selection of MultiSync I/O's for analog or digital Video signals. The monitors have universal VESA 100 threads at the rear to built monitor walls easily.

Technical Specifications:

Screen Type: active matrix color TFT, MVA technology	Interface Type: TAMUZ® EAGLE 2.0
Screen Size: 82"	Interface Characteristic: HDTV MultiFormat MultiSync
Screen Format: 16:9 native aspect ratio	Image Processing: 16 bit Image Engine, HiFidelity LUT gamma and color management
Pixel Resolution: 1920 x 1080 RGB dots	Video Processing: exclusively developed I/P conversion, HiRes digital pixel mapping
Screen Resolution: 27 dpi	Processing Times: 1 field @ I-mode, 1 frame @ P-mode
Color Resolution: 16.7 million colors, true 8 bit	Aspect Ratio: 4:3, 16:9, full image as standard
Color Reproduction: EBU color space	Scaling: Normal/1:1/Under-/Overscan/Zoom
Color Temperature: 6504°K nominal	Markers: Center, SafeArea, SafeTitle, 4:3 SD, Academy, CinemaScope, User
Color Temp. Range: 2400 to 9300 K select and adjustable	IMD Function: UMD, Timecode, Tally as option
Brightness @ nominal: aligned to 73 fL / 250 cd/m ²	Operation: OSD Menu, direct keys
Black @ nominal: aligned to <0,1 fL / 0,16 cd/m ²	Remote Operation: IR remote, RS 232, TCP/IP 10/100
Contrast @ nominal: >1.500:1 for static B/W/B	SDI Inputs: 10 bit, 270 Mbit/s, 1.485 / 2.970 Gbit/s 800 mVpp, 4:2:2 or 4:4:4
Brightness: max. 700 cd/m ² at center	SD/HD Standards: BT.656 / SMPTE 125M / 259M / 274M / 296M / 372M / 424M / 425M-A/B / 2k
Black: <0,46 cd/m ²	SD/HD/3G Formats: 2048p / 2048 psf @ 25 / 24 / 23.98 1080p @ 60 / 59.94 / 50 1080p @ 30 / 29.97 / 25 / 24 / 23.98 1080i @ 30 / 29.97 / 25 720p @ 60 / 59.94 / 50 720p @ 30 / 29.97 / 25 / 24 / 23.98 576i @ 25 480i @ 30
Contrast: >1.500:1 for static B/W/B	SD/HD-SDI Loop: active buffered
Response Time: 5 mm, typical	SD/HD-SDI Connector: BNC 75 Ohm, terminated
Viewing Angle: ±85° horizontal, ±85° vertical	Graphic analog Input: W-UXGA 1920 x 1200, max.
Backlight: multiple CCFL lamps	Graphic digital Input: DVI-D / HDMI 1920 x 1200, max.
Backlight Lifetime: >50.000 h's	Graphic Formats: CGA, EGA, VGA, SVGA, W-SVGA, XGA, W-XGA, SXGA, W-SXGA, UXGA, W-UXGA, MAC, Hercules, HDTV and more
Screen Classification: A Grade	Sync Mode: HV, RGsB, RGBS, composite
Screen Certification: ISO 13406-2, Cl. 2	V-Sync: Vmin = 23 Hz, Vmax = 110 Hz
Remote Port: RS232 @ Sub-D 9pin	H-Sync: Hmin = 15 kHz, Hmax = 85 kHz
TCP/IP port: 10/100 baseT @ RJ-45	Graphic Connector: Sub-D 15pin HD
Web Interface: accessible with any browser	DVI Connector: DVI-D 28pin, for HDMI use adapter
Internal Power Supply: Switching Power Supply	Composite Video Input: 1 Vpp, 5 MHz ±0.2 dB
Power Consumption: 380 W (@ LSM 2182W HD)	Video Sync: composite
Mains Voltage: AC 100-240 V ±10%, 50-60 Hz	Video S/N: >65 dB
Mains Connector: IEC-320 3pin	Video Standards: 625/50, 525/60, auto detection
Power Safety: ground on frame	Impedance: 75 Ohm active loop through
Housing: full lightweight metal	Video Connector: BNC 75 Ohm, terminated
Frame Color: coated RAL 9005 (black)	Component Input: 3x 700 mVpp, 30 MHz ±1.5 dB
Panel Protection: non-glare	Component Formats: RGB/YUV
Dimensions: 1.635 (W) x 957 (H) x 150 (D) mm	Component HD: 1080i60, 1080i50, 1080p60, 1080p50
Active Image Area: 1.883 (W) x 1.088 (H) mm	Component SD: 625i50, 525i60
Weight: 62 kg	Component Sync: composite, Sync on Green
VESA Mounting: 100/200 at left and right side	Component S/N: >60 dB
Environment operation: 0 to +50°C, 20 to 80% humidity	Component Connector: BNC 75 Ohm, terminated
storage: -30 to +60°C, 5 to 90% humidity	
Certification: CE, FCC15, EN 50082-2, EN 55022	
Accessories: IR Remote, Power cord, Manual	
Input Options: analog RGBHV (VGA) input, analog Composite/YC/YUV inputs, 1 st & 2 nd DVI/HDMI input, 1 st & 2 nd SD/HD/3G-SDI input, optical Fibre (3G-SDI) inputs	
Options: VESA 200 center adapter, T98 or T62 ND Filter, 10 bit TFT panel on request, LED backlighted TFT panel on request	

Type	aligned to	SDI1 In	SDI1 Out	SDI2 In	SDI2 Out	DVI1 In	DVI2 In	VGA In	CCVS In	CCVS Out	YC In	YUV In	Speaker
LSM 2182W	250 cd/m ²	Option	Option	Option	Option	DVI/HDMI	Option	Yes	Yes	Yes	Yes	Option	Option
LSM 2182W HD	250 cd/m ²	3G-SDI	Loop	Option	Option	Option	Option	Yes	Yes	Loop	Yes	Option	Option

SPARROWHAWK 2.0 series Monitors are available in various screen sizes up to huge 82"W. All monitors are equipped with the AAC feature using a color analyzer probe for Automatic Alignment and Calibration. The integrated TCP/IP port allows external remote control.



Handmade In Germany

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