

**TAMUZ
MONITORS**

FLM 117W OT

Digital Broadcast Monitor



GREY OWL series

**19" RACK
MOUNTABLE**

**A high-quality multi-format Broadcast Video Monitor,
for SD and HDTV applications, rack mountable, 6 RU only**

- High-resolution active matrix TFT LCD color displays
- Aligned as StudioLine version to fulfill EBU t3320 Class-2 Recommendation
- QA follows EBU t3325 Recommendation, assured by KonicaMinolta CS-2000
- 16:9 and 4:3 aspect ratio mode, overscan/underscan mode
- MultiSync and MultiFormat capability
- De-interlacer switchable, shortest processing time 1 field
- Multiple inputs for SD/HD-SDI, RGBHV, RGsB or RGBS, DVI, CCVS
- Direct access keys for input selection and main features
- OSD menu for individual setups
- IR remote controller and IP addressable 10/100 baseT port
- 3-color Tally light at front, GPI/O port for Input and Tally
- Built-in AAC Auto Alignment and Calibration with optional Color Analyzer probe
- Rugged and compact lightweight full metal housing design
- Anti-reflective glass protection filter, optional with ND function



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

MultiFormat Digital Broadcast Monitors

TAMUZ GREY OWL monitors are fully loaded with state-of-the-art LCD technology and broadcast features, like 3-color ON-AIR Tally, GPI/O port, IR-remote, multiple inputs, R/G/B only, displaying the blanking area, WSS detection, pixel-mapping or full screen mode, etc.

Technical Specifications:

Screen Type: active matrix color TFT, MVA technology
 Screen Size: 17" wide
 Screen Format: 16:9 native aspect ratio
 Pixel Resolution: 1366 x 768 RGB dots
 Screen Resolution: 92 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 @ SL Version: aligned to 35 fL / 120 cd/m²
 Black @ SL Version: aligned to <0,1 fL / 0,16 cd/m²
 Contrast @ SL Version: >750:1 for static B/W/B
 Brightness @ standard: aligned to 200 cd/m², max. 280 cd/m²
 Black @ standard: aligned to <0,4 cd/m²
 Contrast @ standard: >700:1 for static B/W/B
 Response Time: 4 ms, typical
 Viewing Angle H: ±80° horizontal
 Viewing Angle V: ±80° vertical
 Backlight: multiple special CCF Lamps
 Backlight Lifetime: >50.000 h's
 Screen Classification: A Grade
 Screen Certification: ISO 13406-2, Cl. 2

Tally Light: multicolor LED in front
 Tally Function: closed contact at GPI/O port
 Tally Connector: Sub-D 9pin

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

Adapted Power Supply: Switching Power Supply
 Power Consumption: 48 W (@ FLM 117W 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 7016
 Front Cover: solid aluminum faceplate
 Front Color: black anodized
 Panel Protection: non-glare anti-reflective glass filter
 Dimensions: 438 (W) x 264 (H) x 80 (D) mm
 Weight: 6,5 kg
 VESA Mounting: VESA100 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: IR Remote, manual
 Options: analog HD Component Inputs, static desktop stand, flexible desktop stand, 19" 7 RU rack mount kit

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
 Operation: OSD Menu
 Remote Operation: IR remote, RS 232, TCP/IP 10/100

SD/HD-SDI Inputs: 3x 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-XGA 1366 x 768, native
 Graphic digital Input: 1x DVI-D 1366 x 768, 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 GREY OWL monitors are available in various screen sizes from 8.4" up to 32"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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