

TAMUZ
MONITORS

OCM 404W

Quadruple Video Monitor

OLED
MATRIX PANEL



MultiScreen
PreView series

3G SDI
EQUIPPED

World first MultiScreen Video Monitor equipped with four 4.3" wide screen OLED panels at the market!

- High-resolution (128 dpi) 4.3" active matrix OLED color display
- High brightness (>200 cd/m²) and high contrast (>10.000:1)
- 16:9 aspect ratio screens
- No response time issues (<50 μ s)
- Extreme wide viewing angles (>170° H/V)
- Multi format high-quality video interface, 576@50 & 480@60 auto/detection
- Three video inputs for each display, analog and/or digital SDI and VGA
- 10 bit processing for serial 3G/HD/SD-SDI inputs
- Looped analog and/or digital inputs
- Professional and reliable input connectors
- OSD menu controls for brightness, contrast, color and input selection
- Tally light at front, GPI&O port
- Rugged and compact 2 RU lightweight full metal housing design
- 12 V DC powered by external battery systems or power supply



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

MultiFormat and SpaceSaving 19" 2RU Rack Video Monitor

TAMUZ MultiScreen PreView monitors are fully loaded with state-of-the-art LCD or OLED technology and broadcast features, like ON-AIR Tally, GPI/O port, multiple inputs for analog and/or digital video each with loop, down-converted analog output, etc.

Technical Specifications:

Screen Type: active matrix color OLED
 Screen Size: 4.3"
 Screen Format: 16:9 native aspect ratio
 Pixel Resolution: 480 x 272 RGB dots = 1440 x 272 px
 Screen Resolution: 128 dpi
 Color Resolution: 16 million colors
 Color Temperature: 6500°K nominal
 Color Temp. Range: fix, not adjustable
 Brightness: > 200 cd/m²
 Contrast: >10.000:1 for static B/W/B
 Response Time: <5 µs, typical
 Viewing Angle H: ±85° horizontal
 Viewing Angle V: ±85° vertical
 Backlight: none, self emitting OLED
 Panel Lifetime: >30.000 h's
 Screen Classification: A Grade
 Screen Certification: ISO 13406-2, Cl. 2

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

Adapted Power Supply: Switching Power Supply
 Power Consumption: 36 W (@ OCM 404W 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
 Dimensions: 438 (W) x 88 (H) x 50 (D) mm
 Weight: 2,5 kg
 Frame Mounting: 19" brackets, ±21° adjustable

Environment: 0 to +45°C, operation
 Storage: -30 to +60°C, 5 to 90% humidity
 Certification: CE, FCC15, EN 50082-2, EN 55022

Accessories: 19" brackets, terminators, power supply, manual

Interface Type: TAMUZ HIGH QUALITY
 Interface Characteristic: HD-/SDTV MultiFormat
 Video Processing: HiRes digital adaptive Comb Filter
 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
 Operation: OSD Menu
 Remote Operation: GPI/O
 3G/HD/SD-SDI Inputs: 10 bit, 0.27 / 1.5 / 3 Gbit/s
 800 mVpp, SingleLink, 4:2:2
 SD/HD Formats: SMPTE 259M / 274M / 292M / 296M / 424M
 1080i @ 30 / 29.97 / 25
 1080p @ 60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98
 720p @ 60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98
 576i @ 25
 480i @ 30
 SD/HD-SDI Loop: active buffered
 SD/HD-SDI Impedance: 75 Ohm terminated
 SD/HD-SDI Connector: BNC 75 Ohms type

Composite Video Input: 1 Vpp, 5 MHz ±0.2 dB
 Video Sync: composite
 Video S/N: >65 dB
 Video Standards: 625/50, 525/60, auto detection
 Composite Video Loop: passive, termination needed
 Impedance: 75 Ohm
 Video Connector: BNC 75 Ohms type

Graphic analog Input: 1x VGA
 Graphic Formats: CGA, EGA, VGA, SVGA
 Sync Mode: HV, RGsB, RGBS, composite
 V-Sync: Vmin = 50 Hz, Vmax = 63 Hz
 H-Sync: Hmin = 30 kHz, Hmax = 40 kHz
 VGA Connector: Sub-D 15pin



Order Codes:

OCM 404W HD 4 Screens each with; 1x 3G/HD/SD-SDI with loop, 1x CCVS with loop, 1x VGA graphics
 OCM 404W V 4 Screens each with; 2x CCVS with loop, 1x VGA graphics



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