

TAMUZ
MONITORS

CCM 108WQ

Compact Control Monitor



OSPREY series

OLED

MATRIX PANEL

3G SDI

EQUIPPED

A compact Broadcast Video Control Monitor, for SD and HDTV applications

- High resolution active matrix OLED color displays
- Integrated QuadSplit to display four SD/HD/3G-SDI signals as quad or singularly
- QA follows EBU t3325 Recommendation. assured by KonicaMinolta CS-2000
- 4:3 and 16:9 aspect ratio mode
- MultiSync and MultiFormat capability
- De-interlacer switchable, shortest processing time 1 field
- Multiple inputs for SD/HD-SDI, DVI / HDMI, CCVS, Component
- OSD menu for individual setups
- Auto Alignment and Calibration with optional Color Analyzer probe
- Rugged and compact lightweight full metal 19" rack mountable housing
- Anti-reflective glass protection filter, optional with ND function
- Low-Power and Fan-less design



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

Compact Control Monitors

The **OSPRAY** series monitors are designed as an universal digital control monitor, ideal for displaying the output of Cameras, Switchers or other broadcast equipment. CCM series monitors are available as space saving rack mountable devices equipped with DVI and HDSDI inputs, to present HDTV studio signals directly and cost effectively.

Technical Specifications:

Screen Type: active matrix OLED
 Screen Size: 7.6" wide
 Screen Format: 16:9 aspect ratio, 15:10 native
 Pixel Resolution: 800 x 480 RGB dots
 Screen Resolution: 123 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 @ Class-2: aligned to 35 fL / 120 cd/m²
 Black @ Class-2: aligned to <0,000.1 fL / 0,000.2 cd/m²
 Contrast @ Class-2: >100.000:1 for static B/W/B
 Brightness: max. 250 cd/m²
 Response Time: 0.1 ms, typical
 Viewing Angle H: ±85° horizontal
 Viewing Angle V: ±85° vertical
 Backlight Lifetime: >30.000 h's
 Screen Classification: A Grade
 Screen Certification: ISO 13406-2, Cl. 2

Timecode/ UMD: IMD (In-monitor-Display)
 Tally Light: IMD (In-monitor-Display)
 Tally Function: closed contact at GPI/O port
 Tally Connector: Sub-D 9pin

Remote Port: RS232
 Remote Connector: Sub-D 9pin

Adapted Power Supply: Switching Power Supply
 Power Consumption: 24 W (@ CCM 108WQ)
 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 9005
 Panel Protection: non-glare anti-reflective glass filter
 Dimensions: 224 (W) x 132 (H) x 90 (D) mm
 Weight: 1,8 kg incl. glass filter
 19" Rack Mounting: 3 RU twin pack adapter

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: static desktop stand, 19" 3 RU rack mount kit

Interface Type: TAMUZ OSPREY
 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, User
 IMD Function: UMD, Timecode, Tally
 Operation: OSD Menu
 Remote Operation: IR remote, RS 232

SD/HD-SDI Inputs: 4x 10 bit, 3 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 digital Input: 1x DVI-D 1920 x 1200, 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
 DVI Connector: DVI-D 28pin

Composite Video Input: 1x 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 SD: 625i50, 525i60
 Component Sync: composite, Sync on Green
 Component S/N: >60 dB
 Component Impedance: 75 Ohm terminated
 Component Connector: BNC 75 Ohm



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