

TAMUZ
MONITORS

CCM 117W HD

Compact Control Monitor



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

- FullHD resolution active matrix TFT LCD color displays
- 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 HDS/SDI inputs, to present HDTV studio signals directly and cost effectively.

Technical Specifications:

Screen Type: active matrix color TFT, MVA technology
 Screen Size: 17" wide
 Screen Format: 16:9 aspect ratio, 16:10 native
 Pixel Resolution: 1920 x 1200 RGB dots
 Screen Resolution: 133 dpi
 Color Resolution: 256k colors
 Color Reproduction: EBU color space
 Color Temperature: 6504 K nominal
 Color Temp. Range: 3200 to 9500 K select and adjustable
 Brightness: aligned to 120 cd/m², max. 200 cd/m²
 Black: aligned to <0,4 cd/m²
 Contrast: >600:1 for static B/W/B
 Response Time: 8 ms, typical
 Viewing Angle H: ±60° horizontal
 Viewing Angle V: ±60° vertical
 Backlight: multiple special CCF Lamps
 Backlight Lifetime: >40.000 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: 44 W (@ CCM 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 9005
 Panel Protection: non-glare anti-reflective glass filter
 Dimensions: 438 (W) x 264 (H) x 90 (D) mm
 Weight: 8,1 kg incl. glass filter
 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: static desktop stand, flexible desktop stand, 19" 6 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: 1x 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 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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