

BayPanel 610

Industrial 10.4" Monitor



- Industrial Data / Video Monitor
- 10.4" color TFT Flat Panel
- 640 x 480 pixels
- Analog RGB interface
- CVBS and S-Video inputs as option
- Full-resolution NTSC/PAL

The BayPanel monitors were designed for the high demands of rough industrial environments.

These special long life monitors are optimally protected by antireflective, antistatic and extremely robust mineral glass screens available in various versions, optional acid-resistant touch screen can also be ordered.

Selection matrix and special frequencies

The BayPanel monitors are currently available in 8.4" through 22" versions. Thanks to the large selection matrix, every customer can be provided with a monitor which matches their specific requirements. Special frequencies from old machine control systems can also be configured upon request.

A long service life and being service and maintenance free are particularly important criteria for components used in fast-paced fields such as the pharmaceutical and food industries, and can be ensured by using BayPanel monitors.

Our other product families for industrial and harsh environmental applications

BayQad

Stand-alone Monitors for Tripod Mounting

BQC

Rugged Panel PCs for Tripod Mounting

BQR

Rugged Data/Video Monitors for Defense & Naval Applications

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BayPanel 610 Specification

DISPLAY

260 mm (10.4") data and video flat panel display
 Active area: 211.2 mm (H) x 158.4 mm (V), Aspect ratio: 4:3 (H:V)
 Technology: a-Si TFT, active matrix
 Color resolution: 262,144 simultaneous colors, 64 gray values
 Screen resolution: 640 (H) x 480 (V) pixels
 Pixels arrangement: RGB (Red dot, Green dot, Blue dot) vertical stripe
 Dot pitch: 0.110 mm (H) x 0.330 mm (V), Pixel pitch: 0.330 mm (H) x 0.3075 mm (V)
 Typical viewing angle: CR >= 10 : 1, Horizontal: ±70° / Vertical: ±70°
 Response time: Ton + Toff (10% - 90% -10%) typical 45 ms, maximal 60 ms
 Brightness: typical 350 cd/m2 at maximal backlight drive, Contrast rate: typical 300:1

SIGNAL INPUTS

BayView AVD6 DVI, analog RGB and video to 24-bit LVDS converter card
 Analog RGB input: 162.5 MHz bandwidth, up to 100 KHz H-frequency, up to 200 Hz V-frequency (UXGA 60Hz), H-Sync. (+/-), V-Sync. (+/-), Composite-Sync. on G(reen) and H-Sync.
 NTSC-M/N/4.43, PAL-M/N/B/G/H/I/D/K/L, video formats with auto-decoding function as option
 Picture position, phase and size recognition with automatic self-adjustment capabilities (auto-phase / auto-tracking)
 Auto-scaling to max. flat panel resolution (SVGA, XGA, SXGA, UXGA, PAL, NTSC down-scaling to 640x480 pixels)
 On-Screen-Display (OSD) for user specific adjustments, like: intensity, contrast, etc.
 The setup parameters are saved in non-volatile memory
 Gamma correction tables, 8x8 bit for R, G and B each
 DB15 connector (HD DSUB) for analog RGB input (analog VGA standard connector)
 3x BNC connectors configurable as: 3x CVBS, or 1x S-Video + 1x CVBS as option
 DB9 connector (DSUB) for Remote Control functions: Remote-OSD and Firmware updates using the RS232 port

FRONT & CHASSIS

Rear side placed OSD keypad
 Front plate finish color: black RAL 9005
 3 mm anti-reflection mineral glass pane
 Milled aluminum standard front plate (10 mm thick) with 4x M5 mounting holes (-ST)
 Front plate finish color: black RAL 9005
 Robust aluminum chassis, 320 x 240 x 60 mm (WxHxD) including standard VESA 100 mounting
 Mechanically protected connection area
 Euro line connector with integrated power On/Off switch and line filter
 AC line input: 85 to 264 VAC 50/60 Hz (integrated universal power supply)
 Dimensions (max.): 350 (w) x 270 (H) x 70 (d) [mm], weight: ~ 3.8 kg

CERTIFICATIONS

Conformities: IP20 (IP65 front plate / IP20 chassis), EN55011 Class A, FCC Class A, EN50081-1, EN50082-2, EN61000-4, UL1950 / EN60950 AM1, AM2, AM3

OPTIONS

DVI Interface with 26-socket Molex DVI-I connector, 2 meter DVI data cable
 Analog resistive touch screen sensor pane + touch screen controller with RS-232 interface (-T variant)
 DC-Power input: DC-DC Converter Box with 12 VDC (10 to 16 VDC), 24 VDC (18 to 36 VDC) or 48 VDC (36 to 72 VDC) input and 12 VDC output voltage (-DC12, -DC24 or -DC48)
 Décor aluminum front plate, silver finish (-DE)
 Milled aluminum 19" (6HU) front plate (10 mm thick) with M6 mounting holes (-19)
 Décor stainless steel front plate (-V2A)

