

## BayPanel 612

### Industrial 12.1" Monitor



- Industrial Data / Video Monitor
- 12.1" color TFT Flat Panel
- 800 x 600 pixels (SVGA)
- 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 612 Specification

## DISPLAY

310 mm (12.1") data and video flat panel display  
 Active area: 246.0 mm (H) x 184.5 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: 800 (H) x 600 (V) pixels  
 Pixels arrangement: RGB (Red dot, Green dot, Blue dot) vertical stripe  
 Dot pitch: 0.1025 mm (H) x 0.3075 mm (V), Pixel pitch: 0.3075 mm (H) x 0.3075 mm (V)  
 Typical viewing angle: CR >= 10 : 1, Horizontal: ±70° / Vertical: ±60°  
 Response time: Ton + Toff (10% - 90% -10%) typical 3 ms  
 Brightness: typical 450 cd/m2, Contrast rate: typical 800:1

## 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 (VGA, XGA, SXGA, UXGA, PAL, NTSC up-/down-scaling to 800 x 600 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)

