BayPanel 719

Industrial 19.0"Monitor

- ● Industrial Data / Video Monitor

- ● 19.0" color TFT Flat Panel

- ● 1280 x 1024 pixels (SXGA)

- ● 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 719 Specification

DISPLAY

480 mm (19.0") SXGA data and video flat panel display
Active area: 376.3 mm (H) x 301 mm (V), Aspect ratio: 5:4 (H:V)
Technology: a-Si TFT, active matrix
Color resolution: 16.7 million simultaneous colors, 256 gray values
Screen resolution: 1280 (H) x 1024 (V) pixels
Pixels arrangement: RGB (Red dot, Green dot, Blue dot) vertical stripe
Dot pitch: 0.098 mm (H) x 0.294 mm (V), Pixel pitch: 0.294 mm (H) x 0.294 mm (V)
Typical viewing angle: CR >= 10 : 1, Horizontal: ±80° / Vertical: ±80°
Response time: Ton + Toff (10% - 90% -10%) typical 1,5 ms, maximal 3,5 ms
Brightness: typical 300 cd/m2 at maximal backlight drive, Contrast rate: typical 1000:1

SIGNAL INPUTS

BayView AVD5 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.
Standard CVBS (Composite) and S-Video (Y/C) video inputs as option
NTSC-M/N/4.43, PAL-M/N/B/G/H/I/D/K/L video formats with auto-decoding function
Picture position, phase and size recognition with automatic self-adjustment capabilities (auto-phase / auto-tracking)
Auto-scaling to maximum flat panel resolution (VGA, SVGA, XGA, UXGA, NTSC, PAL up-/down-scaling to 1280x1024 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 for R, G and B
High performance de-interlacer to minimize interlace to non-interlace movement artifacts
26-pin DVI-D Molex socket connector as DVI interface
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 or front side (**-K**) placed OSD keypad
Milled aluminum 19" (8HU) front plate (10 mm thick) with M6 mounting holes
Front plate finish color: black RAL 9005
3 mm anti-reflection mineral glass pane or 3 mm Touch Screen sensor pane (**-T**)
Robust aluminum chassis (1.5 mm thick) with 8x M4 threads for wall and machine attachments
Mechanically protected connection area
Euro line connector with integrated power On/Off switch, fuse and line filter
AC line input: 85 to 264 VAC 50/60 Hz (integrated universal power supply)
Dimensions (max.): 483 (w) x 354.8 (h) x 85 (d) [mm], weight: ~ 8 kg

CERTIFICATIONS

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

OPTIONS

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**)
Front bezel handles set
Décor stainless steel front plate (**-V2A**)
OSD Keypad at front (**-K**)