BayQad 717

Rugged 17.0" Stand-alone Data / Video Monitor for Tripod Mounting

- Rugged Data / Video Monitor
- 17.0" color TFT Flat Panel
- 1280 x 1024 pixels (SXGA)
- DVI & Analog RGB interface
- CVBS and S-Video inputs as option
- Milled aluminum housing

The passive cooling design of Baytek's BayQad monitors eliminates the need for ventilation openings. This design, in combination with the tough aluminum housing which is milled form solid aluminum, provides the ideal basis for allover IP65 protection.

The chassis also has excellent shielding and dissipation characteristics. Independent test labs regularly verify the EMC (electro-magnetic compatibility) performance of BayQad monitors.

Resistance to shock and vibration and fault-free operation when the monitors are subjected to extreme temperature variations are also certified.

The BayQad monitors with internal DC/DC converters are available for mobile applications. The BayQad's comply with the VESA 100 mounting standard and can be easily attached to any stand.

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 BayQad monitors.

Our other product families for industrial and harsh environmental applications

BayPanel

Industrial Rack Mount Monitors

BQC

Rugged Panel PCs for Tripod Mounting

BQR

Rugged Data/Video Monitors for Defense & Naval Applications

BayQad 717 Specification

DISPLAY
432 mm (17.0") SXGA data and video flat panel display
Active area: 337.9 mm (H) x 270.3 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: 0.099 mm (H) x 0.297 mm (V), Pixel pitch: 0.264 mm (H) x 0.264 mm (V)
Typical viewing angle: CR >= 10 : 1, Horizontal: ±170° / Vertical: ±160°
Response time: Ton + Toff (10% - 90% -10%) typical 5 ms
Brightness: typical 350 cd/m2, Contrast rate: typical 1000:1

SIGNAL INPUTS
BayView AVD5 DVI / analog RGB / 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 max. flat panel resolution (VGA, SVGA, XGA, UXGA, PAL, NTSC up-/down-scaling to 1280 x 1024 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
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 side placed OSD keypad
Milled aluminum housing,
Housing finish color: black RAL 9005
VESA-100 standard stand attachment, 12x M4x8 thread holes (4x for VESA-100 array)
3 mm anti-reflection mineral glass pane or 3 mm Touch Screen sensor pane
Mechanically protected connection area
4-pin DC connector with Filter and screw lock
AC line input: external 90 to 264 VAC 50/60 Hz universal power supply with 12 VDC output
Dimensions (max.): 396 (w) x 328.4 (h) x 79 (d) [mm], weight: ~ 6.5 kg

CERTIFICATIONS
Conformities: IP42, EN55011 Class A, FCC Class A, EN50081-1, EN50082-2, EN61000-4, external power supply:
UL1950 EN60950 AM1, AM2, AM3

OPTIONS
Active analog RGB output (loop through), 15-pins HD D-Sub connector
DC-Power input: external 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)
Allover IP65 / NEMA4 conformity (-IP65)
Analog resistive touch screen sensor pane + touch screen controller with RS-232 interface (-T variant)

FRONT VIEW

TOP VIEW

BOTTOM VIEW

REAR VIEW