

BPM 726-DA/RDA

Maritime 26.0" Monitor for ECDIS &/or RADAR



- Type approved maritime Display
- ECDIS &/or Radar applications
- 26.0" color TFT flat panel
- 1920 x 1200 pixels (WUXGA)
- Wide dimming backlight
- DVI and analog RGB inputs
- IMO color calibration as option

Baytek develops and produces the BPM monitor series for maritime/naval applications. The BPM series is designed and manufactured to withstand the harsh conditions encountered in the maritime environment.

They are built to meet and exceed stringent testing requirements and are already tested and approved by different classes like BSH, DNV GL and other. Wherever monitors are required for critical maritime applications, Baytek products will be the right choice. Baytek has incorporated unique characteristics in the BPM series that will simplify integration in existing systems, expand the lifetime of the products and reduce the total cost of ownership.

Quality and reliability guaranteed

We have our own manufacturing facilities and Color Calibration Center (CCC) to insure the Baytek high quality standards. So we are able to transform customer requirements into reliable solutions.

Our other product families for maritime and naval applications

BCM

Maritime Panel PCs for ECDIS & Radar

BQM

Maritime Automation Monitors for Tripod Mounting

BQR

Rugged Data/Video Monitors for Defense & Naval Applications

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BPM 726-DA / RDA Specification

DISPLAY

LCD Panel Technology Active Matrix Liquid Crystal Display (AM-LCD) technology Amorphous silicon TFT (Thin Film Transistor) technology
 Screen Dimensions Aspect ratio: 16 : 10 (wide screen, landscape format) Active screen size: 550.08 (H) x 343.8 (V) mm (21.656" x 13.535") 648.7 mm (25.54")
 Screen Resolution 1920 (H) x 1200 (V) pixels (WUXGA) Pixel arrangement: RGB (Red dot, Green dot, Blue dot) vertical stripe Dot pitch 0.0955 (H) x 0.2865 (V) mm (0.0037" x 0.0112") Pixel pitch: 0.2865 (H) x 0.2865 (V) mm (0.0112" x 0.0112")
 Viewing Distance Rounded value : 0.99 m (Precision value : 0.987931034 m)
 Viewing Angle Typical viewing angle: CR >= 10 : 1 - Horizontal: ±88° - Vertical: ±88°
 Screen Luminance (Brightness) 350 cd/m² (typical) on LCD screen surface 265 cd/m² (typical) on LCD screen on EMI glass pane surface
 Backlight Dimming ratio: 0 to 100%
 Contrast Ratio (at optimum viewing angle) 1500 : 1 (typical) in dark environment
 Response Time (at @ 25°C ambient temperature) Ton + Toff (10% to 90% to 10%) 25 ms (typical), 45 ms (maximal)
 Color Temperature Typical 6790K Luminance Uniformity White non-uniformity <= 30%

SIGNAL INPUTS

Analog RGB Signal Timings and Levels VESA Standard 162.5 MHz bandwidth, up to 100 kHz H-frequency, up to 200 Hz V-frequency (UXGA 60 Hz) Auto-scaling to maximum flat panel resolution. 700 mVpp (75 ohm asymmetrical, end unit)
 Analog RGB Synchronization Picture position, phase and size recognition with automatic self-adjustment capabilities (auto-phase / auto-tracking)
 Separate external horizontal synchronization (HS) and vertical synchronization (VS); both signals with positive or negative level
 External combined synchronization (CS), negative or positive synchronization Composite synchronization on green (SOG)
 24-pin DVI-D Molex socket connector as DVI interface

FRONT & CHASSIS

Housing Characteristics: Full milled aluminum front bezel, aluminum chassis, salt water resistant
 Additional fixing points (8x M6 thread holes), Protected connectors area
 Standard Finishing: Standard front bezel color: RAL 9005, black, with structure
 Front side placed OSD folid keypad
 3 mm anti-reflection mineral glass pane
 AC line input: 85 to 264 VAC 50/60 Hz (integrated universal power supply)
 Dimensions (max.): 650 (w) x 475 (h) x 93 (d) [mm], weight: ~ 12,8 kg

CERTIFICATIONS

ECDIS (BPM 726-DA) Applying Test Standard IEC 61174 (Edition 2, 2001)
 RADAR (BPM 726-DA and BPM 726-RDA) Applying Test Standard IEC 62288, Applying Test Standard IEC 62388
 MARITIME NAVIGATION AND RADIOCOMMUNICATION EQUIPMENT AND SYSTEMS (BPM 726-DA and BPM 726-RDA)
 Applying Test Standard IEC/EN 60945 (Edition 4, 2002) BPM 726-DA/-RDA Technical Specifications
 IEC/EN 60945:2002-8, Compliance (designed to meet): EN 55011 Class A, EN 50081-1, EN 50082-1, CE, IEC 950
 Temperature: Operating: -15° C to 55° C, Storage: -25° C to 70° C
 Compass Distance Save Distance to: - Standard Magnetic Compass: 1.70 meter - Steering Magnetic Compass: 1.00 meter Reduced Save Distance to:
 Standard Magnetic Compass: 1.05 meter - Steering Magnetic Compass: 0.60 meter

OPTIONS

Resistive glas touchscreen sensor pane + touch screen controller with RS-232 interface (-T)
 DC-Power input: integrated wide range DC-DC converter with 12 VDC output and 18 to 36 VDC input voltage range (-DC24)
 Alarm Buzzer Signal frequency: 3500 Hz (-BZ)
 Front bezel handles set (-HG)
 Video signal input 3x BNC (75 Ohm) connector (-V)
 IMO compliant color calibration (-DA)

