BFX | 2U RACKMOUNT BIFOLD LCD MONITOR

RUGGED BIFOLD

Our BFX Displays are rugged, military grade, high performance, 2U rackmount LCD panel displays offering two 24-inch TFT LCD displays with per panel resolution of 1920x1200. With exceptional strength, the displays provide expansive working space. The BFX1-24 model is optimal for extreme outdoor environments due to its brightness, durability and ability to operate in a wide range of temperatures.

BFX ENCLOSURE DETAILS

CONSTRUCTION	High-strength 5052-H32 aircraft-grade aluminum. 0.38" solid milled front panel Stainless self-locking hardware throughout
POWDERCOATING	Black per MIL-PRF-24712, Type IV, Class 3 Cardinal C214- BK110 polyester semi-gloss, fine texture
PLATING	Chem-Film per MIL-C-5541F, Class 1A
SLIDES	Solid Bearing Slides (Friction Slides) Lock-out button. Stainless self-locking hardware throughout Includes Extension Bracket (0 to 6.5" extension) Includes Extension Bracket (3 to 11" extension)
SUPPORT AND STABILIZATION	Gas strut assisted opening and lock down.

CHASSIS SPECIFICATIONS

DIMENSIONS	19" X 3.5" X 30" (482.6mm X 88.9mm X 762mm)
WEIGHT	37lbs
DISPLAY ENHANCEMENTS	**SAFETY GLASS (Standard)** - Using smudge-resistant AR coated soda lime float glass, bonded to the LCD panel with optical index matched adhesive
	EMI PROTECTION (Optional) - Using a laminate of smudge-resistant AR coated soda lime float glass panel and ITO coated glass panel (<12.5Ω/sq) grounded via a copper buss bar, bonded to the LCD panel with optical index matched adhesive

Who We Are

CP North America designs, fabricates, and integrates standard and customized high-performance computing platforms and LCD monitors for military, industrial, and commercial applications.

Using COTS components, CP North America provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.

CP North America is an ITAR Registered and ISO 9001:2015 Certified business that has been operating for over twenty years.

**Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered**

CP North America
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TECH SPECS

BFX PANEL DETAILS

BFX1-24

SCREEN DIAGONAL	24"
OPERATING/STORAGE TEMP	0°C to 50°C / -25°C to 60°C
CONTRAST RATIO	1000:1
VIEWING ANGLE	178° L/R, 178° U/D
RESPONSE TIME	14ms
NATIVE RESOLUTION	1920x1200
BRIGHTNESS	300 cd/m2
BACKLIGHT	LED, edge-lit
COLORS	16.7M
POWER INPUT OPTIONS	Universal AC Adapter - 12VDC, 150W 28V/12V DC-DC Converter 12VDC Cable to CPNA Workstation
POWER DISSIPATION	100 Watts
EXTERIOR POWER JACK	Yes
INPUTS	VGA DVI-D DisplayPort HDMI

HARSH ENVIRONMENTS

CP North America designs, builds, and tests our ruggedized offerings to meet MIL-STD-810, 461, and 901. This includes environmental factors such as:

- **HIGH ALTITUDE**
- **EXTREME HIGH & LOW TEMPERATURES**
- **EMI**
- **HUMIDITY**
- **BLOWING SAND AND DUST**
- **VIBRATION**
- **SHOCK**

ENGINEERED TO YOUR SPECIFICATIONS

- In-house engineering department
- Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
- Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
- Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-S-901, in addition to FCC, UL, CE, and country specific agency requirements

REVISION CONTROL & CONFIGURATION MANAGEMENT

- Our Program Managers will assure your products are revision controlled for the life of the program
- Configuration Management to assure TAA Compliance and system compatibility
- One part number for life of the program
- Counterfeit and obsolescence management

FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 50,000 sqft and has dedicated areas for manufacturing and engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a rigorous system test and burn-in before shipment to the customer
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA

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