



BFX

RACKMOUNT
BIFOLD
DISPLAY

Our BFX Displays are rugged, industrial 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.



KEY SPECIFICATIONS

DIMENSIONS	19" X 3.5" X 30" (482.6mm X 88.9mm X 762mm)
WEIGHT	37lbs
CONSTRUCTION	High-strength 5052-H32 aircraft-grade aluminum. 0.38" solid milled front panel Stainless self-locking hardware throughout Gas strut assisted opening and lock down.
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)

Who We Are

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

Using COTS components, CP Systems 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 Systems 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

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ADDITIONAL SPECIFICATIONS

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 (<12.5ff/sq) grounded via a copper buss bar, bonded to the LCD panel with optical index matched adhesive

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

AC input 85 to 264VAC,
1275/704 28VDC

POWER DISSIPATION

100 Watts

EXTERIOR POWER JACK

Yes

AUDIO

Yes, includes (2x) water-resistant speakers

INPUTS

RGBA (15 Pin VGA) | DVI-D Input | HDMI 1.3
PAL / NTSC / SECAM
Composite Video Input (optional)

QUESTIONS?

Reach out to us at
CP-Systems.Tech
or call 858.571.4330

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-DTL-901, in addition to FCC, UL, CE, and country specific agency requirements

FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

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

QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA