



# TFX

## RACKMOUNT TRIFOLD DISPLAY

Our TFX Displays are rugged, military grade, high performance, 2U rackmount LCD panel displays offering three 17.3-inch or 19-inch TFT LCD displays with per panel resolution of 1280x1024. With exceptional strength, the displays provide expansive working space. The TFX is optimal for extreme outdoor environments due to its brightness and ability to operate in widely varied temperatures. Specifications for our standard products can always be customized to fit your unique application requirements



## KEY SPECIFICATIONS

<b>DIMENSIONS (DEPLOYED)</b>	19" X 3.5" X 24.1" (482.6mm X 88.9mm X 613.2mm) 49.9" wide x 19.6" high (from bottom of front panel)
<b>WEIGHT</b>	37lbs
<b>CONSTRUCTION</b>	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.
<b>POWDERCOATING</b>	Black per MIL-PRF-24712, Type IV Class 3 Cardinal C214- BK110 polyester semi-gloss, fine texture
<b>PLATING</b>	Chem-Film per MIL-C-5541F, Class 1A
<b>SLIDES</b>	Solid Bearing Slides (Friction Slides), 15.4-inches of travel Lock-out button. Stainless self-locking hardware throughout Includes Extension Bracket (0 to 6.5" extension) Includes Extension Bracket (3 to 11" extension)

## INPUTS

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

## 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

	<b>TFX-17</b>	<b>TFX-19</b>
<b>SCREEN DIAGONAL</b>	17.3"	19"
<b>OPERATING/STORAGE TEMP</b>	0°C to 70°C / -20°C to 70°C	-15°C to 65°C / -25°C to 65°C
<b>CONTRAST RATIO</b>	600:1	1000:1
<b>VIEWING ANGLE</b>	160° L/R, 140° U/D	170° L/R, 170° U/D
<b>RESPONSE TIME</b>	40ms	35ms
<b>NATIVE RESOLUTION</b>	1920x1080	1280 x 1024
<b>BRIGHTNESS</b>	400 cd/m2 (1000 cd/m2)	350 cd/m2 (1000 cd/m2)
<b>BACKLIGHT</b>	LED, edge-lit	
<b>COLORS</b>	16.7M	
<b>POWER INPUT</b>	AC input 85 to 264VAC, 1275/704 28VDC	
<b>POWER DISSIPATION</b>	123 Watts	
<b>EXT POWER JACKS</b>	Yes	
<b>AUDIO</b>	Yes, includes (2x) water-resistant speakers	

## 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