



# CPX

## RUGGED SQUARE FORMAT MONITOR

## RUGGED DISPLAY

The CPX1-27 square rackmount LCD displays offer all the features you need for your harsh environment application. This extremely rugged, military-grade display is engineered to meet MIL-S-901E and MIL-STD-810G.

The LCD is best in class offering revision controlled long product availability.

It can be driven from multiple video sources including DVI-D, HDMI, DisplayPort or optionally 3G HD-SDI. It supports Picture-In-Picture or Picture-By-Picture to allow multiple video streams to be viewed at once.

The display is designed for the harshest of environments, featuring aircraft-grade aluminum construction, optically bonded LCD cover glass, and locking steel hardware.



## APPLICATIONS

- Airborne Operations
- Land-based Operations
- Seaborne Operations
- Telemetry
- Diagnostics
- Simulation
- C4ISR
- Communications
- Imaging
- Persistent Surveillance
- UAVs
- Automation
- Severe Environment Operations

## FEATURES

- Lightweight aluminum construction
- Long-life LCDs
- Optional resistive touchscreen, EMI shielding, and oleophobic coating

## Who We Are

CP Technologies, a business unit of CP North America Incorporated, designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.

CP Technologies 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.

CPNA 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 Technologies**  
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858.571.4330



# TECH SPECS

<b>DIMENSIONS</b>	23" x 22.75" x 3.2" (584.2mm x 577.85mm x 81.28mm)
<b>TYPICAL WEIGHT</b>	34lbs (15.42kg)
<b>CONSTRUCTION</b>	High-strength 5052-H32 aircraft-grade aluminum
<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>MOUNTING OPTIONS</b>	19" Rack mounting, panel mounting, VESA 100, VESA 200x400
<b>SCREEN SIZE</b>	26.5"
<b>RESOLUTION</b>	1920x1920
<b>BRIGHTNESS</b>	300cd/m <sup>2</sup>
<b>CONTRAST RATIO</b>	1000:1
<b>RESPONSE TIME</b>	14ms
<b>VIEWING ANGLE</b>	178°
<b>BACKLIGHT</b>	LED
<b>OPERATING TEMP</b>	0° to 50°
<b>STORAGE TEMP</b>	-20° to 60C°
<b>INPUT</b>	VGA, DVI-D, HDMI, DisplayPort
<b>POWER</b>	12 VDC, 28VDC and AC options available
<b>OPTIONAL FEATURES</b>	EMI Shielding, Oleophobic Coating, Touchscreen, Illuminated Writing Surface Overlay

## QUESTIONS?

Reach out to us at  
comabtproven.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-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 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

## 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

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