



CPX

RACKMOUNT PANEL DISPLAY

The CPX1-215 mount-on-rack display is ideal for many rugged industrial applications, particularly ones that require extensive screen space. The display is available with multiple panel treatments including a rugged resistive touchscreen. A bonded oleophobic anti-reflective glass overlay is standard and an optional ITO EMI coating is available. The advanced industrial grade LCD controller accepts virtually any video signal including optional HD-SDI. The controller provides advanced features such as picture-in-picture, picture-by-picture and text overlay.

KEY SPECIFICATIONS

DIAGONAL	21.5"
CONTRAST RATIO	5000:1
RESPONSE TIME	16ms
RESOLUTION	1920 x 1080
BRIGHTNESS	300 cd/m ²
COLORS	16.7M
DIMENSIONS	21.5" x 13.9" x 3" (546.1mm x 353mm x 76.2mm)
SHIPPING WEIGHT	22lbs (9.98kg)
CONSTRUCTION	High-strength 5052-H32 aircraft-grade aluminum Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C214-BK110 polyester semi-gloss, fine texture Chem-Film per MIL-C-5541F, Class 1A Rack mounting, panel mounting, VESA 100



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

POWER INPUT

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

POWER DISSIPATION

50 Watts

EXTERIOR POWER JACK

Yes (optional)

SUPPORTED RESOLUTIONS

VGA (640 x 480)
WVGA (800 x 480)
SVGA (800 x 600)
XGA (1024 x 768)
SXGA (1280 x 1024)
SXGA+ (1400 x 1050)
WXGA (1366 x 768, 1280 x 768, 1280 x 800, 1440 x 900)
UXGA (1600 x 1200)

STANDARD INPUTS

VGA
DVI-D
HDMI 1.3

OPTIONAL INPUTS

PAL/NTSC/SECAM
HD-SDI - SMPTE259M, 4.2.2
3G HD-SDI 424M 4.4.4
Composite
HD Component YPbPr
SD Component YCbCr

FEATURES

Image Up-Scaling
Image Down-Scaling
Infra-Red Remote Control
Picture-in-Picture
Memory Buffer
Sync on Green/Composite
Ethernet Command Protocol
Picture-by-Picture
Text Overlay Function
Variable Aspect
Freeze and Zoom
Programmable Hotkeys

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