

FPD7190



8U COTS 19" LCD Flat Panel Rugged Rack Mount Display

Key Features

- 8U NEMA 4 sealed rack mount chassis for harsh environments
- Shock mounted TFT 19" LCD SXGA resolution
- CR: 2000:1
- Front panel OSD controls
- Input: DVI and VGA
- Protective 3mm glass lens with anti-reflective coating on both sides
- 100 watt AC auto switching power supply, DC options available
- Cooling: Passive
- Designed to meet MIL-STD-810G shock & vibration
- 10 Point Survivor Technology
- 0°-50°C operating, and -20°C to 60°C storage.

Product Highlights

Systel introduces FPD7190, the most ruggedized display technology today to withstand extreme environments. FPD7190 incorporates Systel's innovative display design technology to meet demanding military and industrial applications.

Combined with its ruggedized features and wide array of options, FPD7190 provides optimum price performance. Rugged features include shock-mounting the LCD glass, NEMA 4 sealed aluminum front panel, high strength anti reflective glass lens, and the use of wire bridge tie downs for extreme shock and vibration environments. Testing to 50°C operating and MIL-STD-810G shock and vibration ensures high reliability for mission critical applications.



Specifications

CHASSIS

Material	.060 5052-H32 aluminum w/ gold alodine and black powder coat finish.
Weight	15 lbs.
Indicators	Power ON/OFF
Dimensions	(W x D x H) 19" x 3.2" x 13.97"
Viewable Area	19" Diagonal
Controls	Front panel membrane OSD for all menu and power controls
Rating	NEMA 4 front panel
Cooling	Passive

DISPLAY

Size/Type	19" SXGA, active matrix TFT color
Mounting	LCD Shock Mounted
Resolution	Native 1280x1024
Contrast Ratio	2000:1
Luminance	600 cd/m ²
Display Colors	16.7M
Viewing Angle	Wide angle viewing technology 176% horizontal and vertical
Backlight	LED
Protective Lens	High strength glass with anti-reflective coating on both sides
Rear I/O	
Rear Inputs	DVI & VGA S-video, Comp. video

RUGGEDIZATION

Systel	10 Point Survivor Technology
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POWER

Power Supply	90/260 VAC 65W auto-switching
Current Usage	Typical 34W

ENVIRONMENT

Temperature	0° to 50° C
Humidity	5% to 95% Non-condensing
Altitude	Up to 10,000 feet
Vibration	Method 514.6, Annex C, Category 4, Figure : 514.6C-1 and Table: 514.6C-II.
Shock	Method 516.6, Procedure 1 (20G,5ms)

Designed to meet MIL-STD-810G Shock and Vibration.

Note: Systel maintains an on-site environmental lab for shock and vibration testing. As an added benefit we can test the many different combinations for operating and non-operating profiles to meet transportation, airframe and shipboard applications.

OPTIONS

VDC Power Supply