

Panel Mount Monitors

12.1" Panel Mount Monitor Rugged Cast Aluminum Front Bezel with optional Touchscreen (Model: UPM1200)

Features:

- Extreme rugged cast aluminum front bezel
- Adheres to NEMA 4X/IP65 specifications
- Bright LCD sizes include a 10.4", 12.1", 15.0", 17.0", and 19.0"
- Optional Touch screen choices include Resistive, Capacitive or Infrared (IR)
- USB or Serial Touch Screen interface
- Standard VGA, S-Video, and Composite Video Ports
- Easy Clamp Mounting
- Easy Control OSD - Brightness, Contrast, Power with user lockout function
- Contaminant resistant Screen Gasketing
- Auto video resolution resizing
- UPM Series monitors are ideal for high dust or waterproof environments, such as foundries, steel plants, food processors, and hospitals.

Product Overview

iTechLCD's Innovative line of UPM Series Industrial sealed 10.4", 12.1", 15.0", 17.0", and 19.0" provides a perfect solution for any industrial panel monitor application.

The rugged cast aluminum panel bezel provides a thin transition to the mounting surface. The thin panel gives a sleek and finished look. A special plastic gasket prevents liquid, dust and contaminants to build up around the screen opening. Other panels use foam gaskets, which creates a shelf for contaminants to build up on the gasket.

Special Panel Mounting

The UPM Series Panel Mount LCD monitors can easily be mounted to any panel mount cabinet or surface using our patent pending Panel Clamp. The Panel Clamp can adapt to most mounting thickness with extreme clamping force. Simply cut a hole in your panel to the designated size of the UPM Series, turn the Panel Clamp, and then tighten. No more drilling holes for panel mount studs.

Front Panel Control

The Easy Control OSD (On Screen Display) keypad gives the ability to adjust brightness, contrast, power, and toggle from composite video to PC monitor mode with one key. Using the lock out mode all functions are locked out to the user, even power.

Connectivity

Standard VGA, Composite Video, or S-Video input. Touch screen interface RS-232 or USB

Touch Screen Options

Three types of touch screens are available, resistive touch, capacitive touch and infrared touch. The various touch screen technologies give the flexibility you need to have the most rugged touch screen for your environment.

Optional Outdoor LCD Screens

Options included various high bright outdoor LCD screens. Select from addition outdoor rated touch screens with AR coating, anti heat reflective filming and antireflective glare properties. Let our engineering department help you select the correct combination for your application.



Technical Specifications:

Enclosure:	Sealed Rugged Cast Aluminum enclosure, adheres to NEMA 4X
Dimensions:	UPM1040: 11.125" (H) x 13.250" (W) x 2.379" (D) UPM1200: 12.500" (H) x 14.875" (W) x 2.369" (D) UPM1500: 14.000" (H) x 17.000" (W) x 2.369" (D) UPM1700: 15.750" (H) x 18.500" (W) x 2.648" (D) UPM1900: 17.000" (H) x 20.000" (W) x 2.767" (D)
Resolution / NIT	(call for high bright\outdoor options) UPM1040 - 10.0" LCD: SVGA - 800x600 - 250 NIT UPM1200 - 12.1" LCD: SVGA - 800x600 - 400 NIT UPM1500 - 15.0" LCD: XGA - 1024x768 - 300 NIT UPM1700 - 17.0" LCD: SXGA - 1280x1024 - 300 NIT UPM1900 - 19.0" LCD: SXGA - 1280x1024 - 270 NIT
Non-Operating Temperature:	-20° to 60° C (all monitors)
Operating Temperature:	0° to 50° C (all monitors)
Operating Shock:	10g, 11ms, 1/2 sine
Operating Vibration:	.41g, 3-500 Hz
Video Interface:	DB15 VGA Female connector, Composite Video (NTSC, PAL), S-Video interface
Touch Screen Interface:	DB9 Serial Female or USB connector
Cable/Power:	Each Monitor comes standard with 10ft Male-to-Male VGA DB15 cable and external power supply with cable. Optional sealed cables for video and touch screen options.
Mounting Options:	Panel Clamps adjust to any cabinet, Single cut out, Thin Bezel
Made in the USA Other accessories are available upon request.	

Mechanical Drawings:

Mounting

Panel Clamps adjust to any cabinet
Single cut out
Thin Bezel

