

MTC-361/2

Full HD multi-touch display for shelter and naval applications

Multi-touch rugged display for safety critical operation inside UAV Ground Control Stations



The Codis MTC-361/2 is a 24" FHD multi-touch display with a medium ruggedization level. Its exceptionally slim display design and low weight make the Codis MTC-361/2 perfectly suited for ground mobile, fixed shelter applications as well as for naval and industrial applications.

Being the successor of the first generation MTC-361, the Codis MTC-361/2 serves as a true drop in replacement and features the same functions and benefits as its predecessor: full HD resolution (1920 x 1080), excellent performance in terms of brightness, crispness, contrast, and viewing angle, long lifetime and reduced power consumption. In addition, the Codis MTC-361/2 offers safety features such as frozen image detection and RS-422 touch communication.

The Codis MTC-361/2 features intuitive projected capacitive touch control with up to 4 individual and simultaneous touches, allowing fluent drag and drop actions. Its touch screen can be operated with finger tips or conductive stylus. The projected capacitive (PCAP) touch technology excels with high touch accuracy, dust and water resistance and has no impact whatsoever on the display's optical performance.

Designed with dual DVI, VGA and HD-SDI inputs, the Codis MTC-361/2 provides the flexibility to support both new and legacy systems and allows switching between multiple inputs with the touch of a button.

Product specification

MTC-361/2	
Panel size	23.8"
Resolution	1920 x 1080 FHD
Backlight	LED
Brightness	300 cd/m ² (88 fL) typical
Dimming ratio	300:1
Contrast Ratio	1000:1
Viewing angle	± 89° horizontal and vertical
Touch	Projected Capacitive multi touch (4 simultaneous touches)
Vibration Transportation (air & truck)	MIL-STD-810F Meth. 514.5 Fig. 514.5C-6 & Fig 514.5C-1
Functional Shock	MIL-STD-810F Meth. 516.5, Proc I · 10 g – 11 ms · 3 shocks in each of the orthogonal axes (X,Y,Z)
Operational Temperature	MIL-STD-810F Meth 501.4 and Meth 502.4, Proc II · high temperature: + 50°C (122°F) · low temperature: 0°C (32°F)
Storage Temperature	MIL-STD-810F Meth 501.4 and Meth 502.4, Proc I · high temperature: + 65°C (149°F) · low temperature: - 25°C (-13°F)
Relative Humidity	MIL-STD-810F Meth 507.4
Enclosure (Drip)	MIL-STD-810F Meth 506.4, Proc III, on display front
Altitude low pressure	MIL-STD-810F Meth 500.4, Proc I & II · operating: up to 10,000ft (696mbar) · non-operating: up to 40,000ft (187mbar)
EMI / EMC	MIL-STD-461F – ground applications Navy Fixed & Airforce
Signal Inputs	DVI-D / VGA / HD-SDI
USB	USB2.0 for Touch communication
RS	RS-422 for Touch communication
Power	110 - 230VAC 47 - 63Hz
Power consumption	maximum 65W (at full display brightness)
Controls	OSD/web interface SNMP remote display control
Indicators	Green 'Power' LED, Red 'Fault' LED
OSD	On Screen Display & web interface
Weight	10.75 ± 0.25 kg (23.7 ± 0.55 lbs)
Finishing	Bezel color: Black RAL 9005 Surface treatment: ROHS compliant Chromated Cr3 (MIL-DTL-5541 type II Class 3)

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