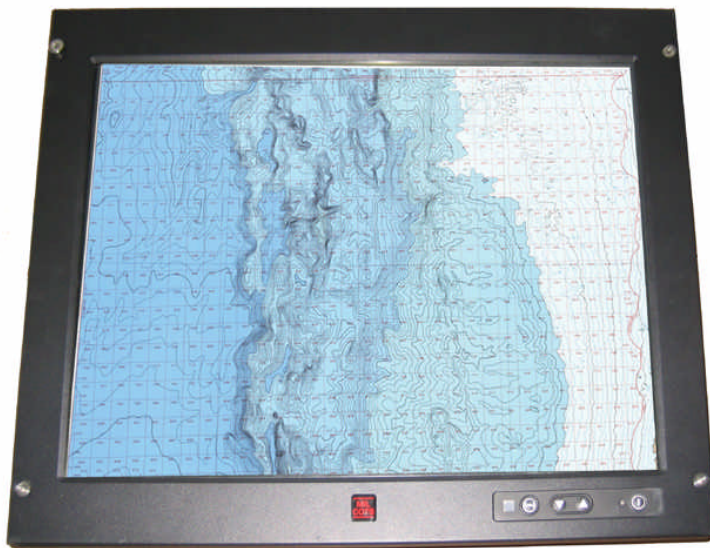


MILCOTS™ 20" LCD monitor / 5920UX

Product range, for harsh environments

T O T A L L Y S E A L E D - I P 6 6 - S H I P D E C K C O M P A T I B L E



5920UX model

19" Standard, 9U Mounting

Naval Consoles

Offshore Applications

Shelters and Vehicles

Railway

Anti-Vandalism Display

Key points

- High quality display (high contrast ratio)
- Water resistant housing
- Lock / cancel OSD
- Remote control
- Non-reflective coated glass, optical quality 92%
- Typical product availability: 8 to 10 years

Options

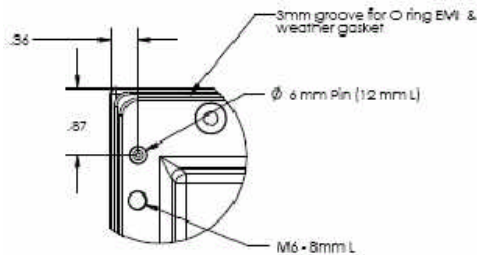
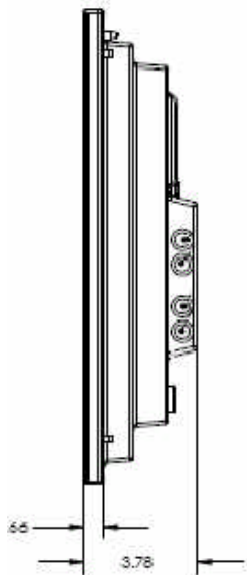
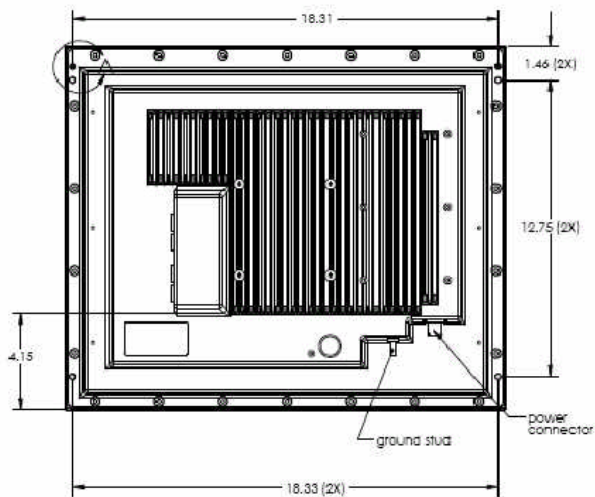
- Brightness tuning from 100 to 5% (dimming)
- Handles
- TV input
- EMC/EMI. This range is available with several levels of protection and reinforcement from the standards required by the information technology industry to the military sector (MIL-STD)

For operations in extreme conditions (shock, vibration, waterfall, sea fog, very high or low ambient light conditions), MILCOTS's 5900 series displays is the right choice for field applications (ground, sea, railway transport), aboard vehicles or ships, including locations where water projection is frequent

5900 series displays are available in:
19" SXGA
20" UXGA

MILCOTS will design any custom packaging and mounting kit on request

20" LCD monitor / 5920UX



DETAIL A

Display Module

Native Resolution:	Color active matrix TFT 20.1"
Brightness:	1600 x 1200
Contrast Ratio:	250 cd/m ²
Dot Pitch:	350:1
Viewing Angle:	0.255 mm
Response Time:	170°/170°
Display Color:	16 msec
Active Display Area:	16.7 M
	408 x 306 mm

Input Signals

Connectors:	Waterproof DVI / HD15 or waterproof Fischer cylindrical connectors
Synchronisation:	H/V separated (TTL) – composite – sync on green
Synchronisation Range:	H: 30 KHz to 100 KHz - V: 50 Hz to 100 Hz

Controls

On-Screen Display:	Front panel matrix switch
Remote Control:	Optional

Physical Features

Monitor Dimensions:	19" (W) x 15.7" (H) x 3.78" (D) [19"/9U]
Monitor Weight:	22 lbs
Standard Color:	RAL 101 (black)

Electrical Features

Power Consumption:	60 W
--------------------	------

Environmental Conditions

Operating Temperature:	0 °C to +50 °C
Storage Temperature:	-30 °C to +70 °C
Humidity:	10 % to 85 %
Altitude:	0 to 45 000 feet
Shock:	30 G, 11 ms
Vibration:	MIL-STD-810E
Front Panel Protection :	IP66

Options

TV Input (C-VBS):	Special pin out (*)
TV Input (S-VHS):	Special pin out (*)
Touch Input Sensor:	Resistive, Capacitive, SAW, IR
EMI / EMC:	MIL-STD-461
Shock Performance:	MIL-S-901D Heavyweight, Grade A, Hardmounted
Extended Temperature Range:	-35°C to +75°C (Storage)
Cold Start:	-20°C cold start

Customization

Panel PC configurations
Shock Isolation and bulk mounting kits

Warranty

1 year (extendable to 3 and 5 years)

(*) Contact Milcots for electrical I/O detail



20" LCD monitor / 5920UX

Base P/N	Power Options	Video Input Options	Touchscreen Options	Touchscreen Interface	Shock Performance			
5920UX (example)	0A	-	00	-	00	A	-	00
	1A	-	01	-	30	B	-	40
	2A	-	02	-	31			
	3D	-	03	-	32			
	3E	-	04	-	33			
	4A	-	05					
	5A	-	06					
	5D	-	07					
			08					
			09					
			10					
			11					
			12					
		13						

Power Options

2A	115-230 VAC input / 50-60 Hz on HE308 connector
3D	115-230 VAC input / 50-60 Hz on HE308 connector, MIL-STD-461
3E	115-230 VAC input / 400 Hz on HE308 connector
4A	18-36 VDC input on lockable connector
5A	28 VDC AIR2021E input on HE308 connector
5D	28 VDC AIR2021E input on HE308 connector, MIL-STD-461

Video Input Options

01	DVI-D on 1 waterproof SUB-D
02	DVI-D on Fischer Cylindrical connectors
03	S-VHS + DVI - D on Fischer Cylindrical connectors
04	RGB on 1 x waterproof HD 15
05	DVI-D + + C-VBS on Fischer cylindrical connectors
06	DVI-D + RGB on Fischer cylindrical connectors

Touchscreen Options

00	None
30	Resistive
31	Capacitive
32	SAW
33	IR

Touchscreen Interface

A	Serial
B	USB

Shock Performance

00	Standard per datasheet specifications
40	MIL-S-901D Grade A Hardmounted

Example

5920UX-3D-02-30A-00

Base Part Number

5920UX: 20" display with UXGA native resolution

Power Option

-3D: 115-230 VAC input / 50-60 Hz on HE308 connector, MIL-STD-461

Video Input Options

-02: RGBHV on 5 x BNC and C-VBS on 1 x BNC

Touchscreen Option

-30A: Resistive touch sensor, serial interface

Shock Performance

-00: Standard per datasheet specifications

NOTE: default mounting hardware is 4 x M6 captive screw with self-sealing washer