

MILCOTS™ 24" LCD monitor / 5224WU

Product range, for harsh environments



5224WU model

Waterproof Panel Mount

Naval Consoles

Offshore Applications

Shelters and Vehicles

Railway

Anti-Vandalism Display

Key points

- Quality display (high contrast ratio)
- 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)
- Water-resistant casing mount
- 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)

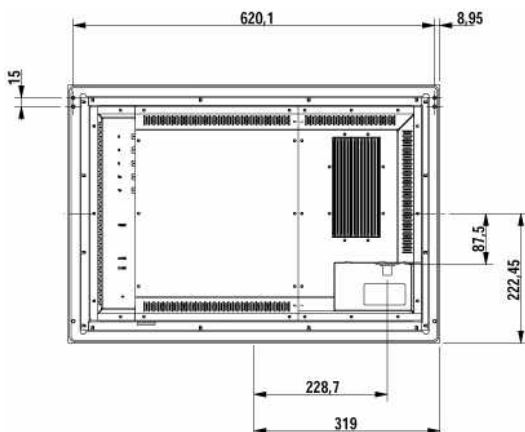
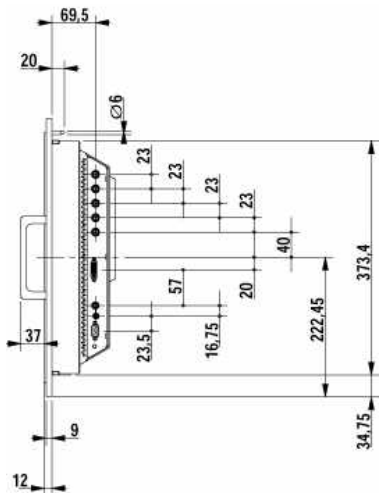
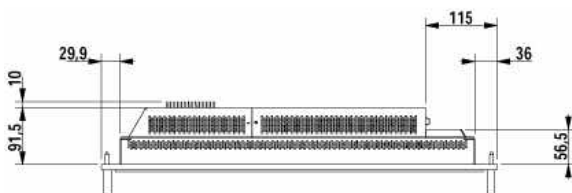
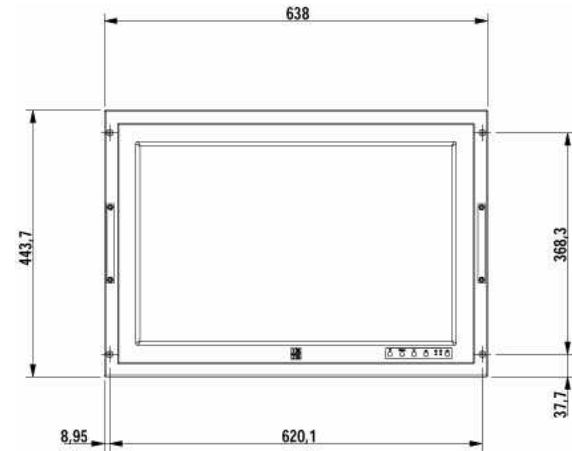
For operations in extreme conditions (shock, vibration, waterfall, sea fog, very high or low ambient light conditions), MILCOTS's 5000 series displays is the right choice for field applications (ground, sea, railway transport), aboard vehicles or in shelter.

5000 series displays are available in:

- 15" XGA
- 17", 18", 19" and 20" SXGA
- 20", 21" and 23" UXGA
- 24" WUXGA
- 30" WQXGA

MILCOTS will design any custom packaging and mounting kit on request

24" LCD monitor / 5224WU



Display module
 Addressability : 1920 x 1200
 Brightness : 220 cd/m²
 Contrast ratio : 400:1
 Dot pitch : 0,270 mm
 Viewing angle : 160°/160°
 Response time : < 30 msec
 Display color : 16.7M
 Active display area : 518,4 mm x 324 mm

Input signals
 Connectors : BNC
 Analogic : RGB 0,7Vp-p / 75 Ohms
 Synchronisation : H/V separated (TTL) - composite - sync on green
 Synchronisation range : H : 30 KHz to 100 KHz - V : 50 Hz to 70 Hz

Controls
 On Screen Display: waterproof front panel keyboard
 Remote control: 1 RS232 port

Physical Features
 Monitor dimensions : 638 mm (W) x 443,7 mm (H) x 113,5 mm (D)
 Moniteur weight : 22 lbs
 Standard color : RAL 101 (black)

Electrical Features (5224WU-1A model)
 Power consumption : 95 W

Environmental Conditions
 Operating temperature : 0°C to +50°C
 Storage temperature : -30°C to +70°C
 Humidity : 10% to 85%
 Altitude : 0 to 45000 feet
 Shock : 30 G, 11ms
 Vibration : MIL STD 810E
 Non-reflective coating glass : 92%
 Front panel protection : NEMA4

Options
 TV input (C-VBS) : 1 additional BNC connector
 TV input (S-VHS) : 1 additional mini-DIN connector

Customization
 touch input device (contact us)
 DVI input
 IP63 aluminum casing

Warranty : 1 year (extendable to 3 and 5 years)

24" LCD monitor / 5224WU

Base P/N	Power Options	Video Input Options	Touchscreen Options	Touchscreen Interface	Shock Performance			
5224WU (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

0A	12 VDC input on HE308 connector; external power supply not delivered
1A	12 VDC input on lockable connector; external power supply 12 VDC / XX watts (per datasheet) / 115-230 VAC / 50-60 Hz
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

00	Standard: RGBHV on 5 x BNC included in all configurations
01	DVI-D on 1 x DVI
02	C-VBS on 1 x BNC
03	S-VHS on 1 x mini-DIN
04	RGB on 1 x HD15
05	Input Options: 00, 01, 02
06	Input Options: 00, 01, 03
07	Input Options: 00, 01, 04
08	Input Options: 00, 02, 03
09	Input Options: 00, 02, 04
10	Input Options: 00, 03, 04
11	Input Options: 00, 01, 02, 03
12	Input Options: 00, 01, 02, 03, 04
13	Sync-On-Green (SOG) on 3 x BNC

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

5224WU-3D-02-30A-00

Base Part Number

5224WU: 24" 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

NOTE: Extended Temperature versions are available on some displays, add a "-ET" suffix to the end of the part number. Please contact Milcots for availability.

Example (as above): 5224WU-3D-02-30A-00-ET