

# SA23HD

## Rugged 23" Stand Alone Display

The SA23HD is a highly rugged stand alone 23" display designed for navy, aviation and army applications. Rugged to survive severe environments, it will not be affected by heat, sand, dust, water spillage or shock. Designed around a 23.0" HD LCD, this rugged display is proposed in various configurations to address all field applications.



### KEY POINTS

- Rugged durable packaging MIL standard compliant
- Touch input sensor on USB and RS232 interfaces
- Configurable to address various video input requirements
- Connectors type and location configurable

### OPTIONS

- Lateral and bezel function keys
- Mating cables
- MIL 38999 connectors
- Vehicle mount
- Connector location and pinout allocation
- Color
- Health monitoring control



The SA23HD rugged display is proposed with various configurations of Man Machine Interfaces. Touch sensor, lateral function keys with custom marking, or an embedded health monitoring board can be proposed as part of the available options.

### CONFIGURATIONS

**Power supply:** 8-16 VDC, 18-36 VDC, 12-36VDC, 115VAC,

**Video Interfaces:** DVI, VGA, Display Port, HD-SDI...

**LCD:** High bright, dimming to zero

**Communications:** Serial port for remote control

**OS:** Windows, Linux compatible

**Touch sensor:** IR, PCAP (option)

**Environment:** EMI to MIL STD 461, Extended temperature, shock and vibration to MIL STD 810, IP ratings up to IP67,

**Consult MILCOTS to review a specific configuration**

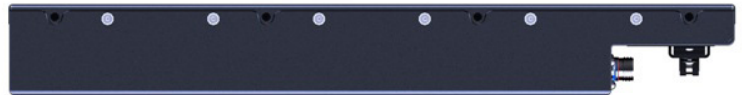
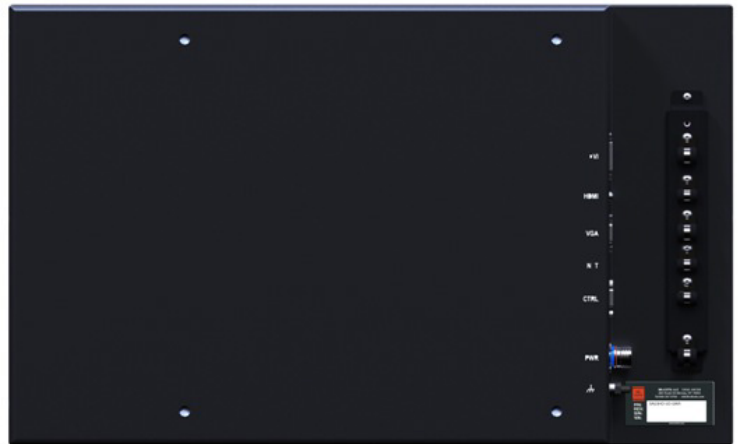


# SA23HD Rugged Display

The SA23HD rugged display is designed around building blocks and can be proposed in a variety of configurations. The configuration below is an example of the suggested solutions:

TECHNICAL SPECIFICATIONS	
Video Input	DVI, VGA, Composite, S-Video
Display	23.0" TFT Active Matrix Panel, LED backlight
Max Resolution	1920x1080 (HD) 16.7M Colors
Luminance	350 Cd/m2 typical (high bright versions available)
Touch Panel	IR multi touch sensor
MMI	user's function keys: ON/OFF, OSD dimming, blackout, daisy chain dim
Connectors	MIL 38999 for Power, video and remote control on industrial connectors
Dimensions	23" (W) x 14" (H) x 2.9" (T) 584mm (W) x 356mm (H) x 74mm (T)
Weight	21 lbs (9.5 kg)
Power	115-240 VAC 50-60 Hz
Health Monitoring	Embedded health monitoring board with temperature control (x2), voltage control (x2), elapsed time (x3), programmable . RS 422 interface. Daisy chain dimming

ENVIRONMENTAL PERFORMANCE	
Operating Temp.	0 °C to 50 °C
Storage Temp.	-32 °C to +71 °C
Humidity	95 % @ 40 deg C
Altitude	0 to 45000 feet
Shock	30g / 11 ms , half sine MIL S 901D
Vibration	vibration 2G RMS - 5 to 2000 Hz MIL STD 167
Ingress Protection	IP64
EMC / EMI	MIL-STD-1275B, MIL-STD-461



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