

SolidMON 20"



SolidMON monitors are designed for reliable operation in the most demanding Defence and Mission Critical applications.

It satisfies market demands for:

- Standardisation and easy integration.
 - Simplicity in operation.
 - Modular & space saving.
 - Long built-state possibility.
 - Long up time and less service.
- High quality displays in 20" format.
 - Console Mount or 19" Rack mount.
 - IP66 sealed from front.
 - Optical bonding available as option.
 - Remote control option.
 - Backlight dimmable 100% to 0%
 - Compliant with relevant MIL STD.
 - Customisation available.

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Specifications

SolidMON 20"

Display size: 20" LCD (TFT)

Display properties:

Size	Luminance	Contrast	Resolution
20"	>250 Cd/m ²	>500:1	1600 x 1200

View angle: 80° - 89° (L/R/T/B) (typical)

Materials: Front: Aluminium w. black power coating RAL 9005
Rear: Aluminium w. black power coating RAL 9005

Window: Anti Reflection coated front glass (optional optical bonding)

Protection: IP66 front – IP54 rear

Touch: 3M MicroTouch™ ClearTek™ II Capacitive (Optional extra)

SolidMON I/O



Video inputs: RGB : Analogue 0.7 Vpp positive at 75Ω,
Separate sync or sync on green
Generally all VESA compatible video modes are supported up to 165MHz (up to UXGA 60Hz and WUXGA 60Hz reduced blanking).
Horizontal sync: 15-100 kHz (automatic)
Vertical sync: 30-85 Hz up to 1280x1024
30-60 Hz up to 1920x1200

DVI: Generally all VESA compatible video modes are supported up to 160MHz (up to UXGA 60Hz and WUXGA 60Hz reduced blanking).
Special modes supported on request.

Control inputs: 1x RS232 – for remote control
1x RS232 – for touch. (only if touch option is ordered)

Connectors: DVI connector for DVI input
D-SUB 15 High Density Connector for VGA
D-SUB 9 Connector for RS232

SolidMON Power Supply Options

Standard: 20-36Vdc Input
Optional: 90-264Vac. 50-60Hz Input (External)

SolidMON Environmental Conditions

Operating Temperature: -15 to 55 °C
Storage Temperature: -25 to 70 °C
Relative Humidity: max 95% @ 40 °C

SolidMON Designed in accordance with

CE Mark: EN61000-6-2 & EN61000-6-4
Naval: IEC 60945, MIL-STD-810G, MIL-STD-901D
Army Ground: MIL-STD 461F, MIL-STD-167 1A/2
Airborne: MIL E-5400T 2g Sweep according to Fig 2 curve Ila sheet 2 of 3
Noise: MIL-STD-740-1/2 (Below audible)
IEC529

SolidMON Physical dimensions

Console Mount: 385 mm (H) x 482 mm (W); Depth behind bezel: 57 mm
Weight: 11,2 kg (excl. weight of options).