

ADISPLAY 21" WIDE

MULTI-SOURCE RUGGED VIDEO DISPLAY



ADISPLAY 21,5" Wide is a touch screen display dedicated to aggressive environments. It can be connected to many video sources such as VGA, DVI-D, CVBS, Y/C and SD/HD/3G-SDI. Selection is commanded remotely or by a front panel switch.

Video source VGA, CVBS and SD/HD/3G-SDI can be duplicated by ADISPLAY 21,5" Wide. This feature is typically useful to insert it in an existing installation and duplicate a display without requiring an additional video output.

ADISPLAY 21,5" Wide is compatible with night applications with a 0 to 100% dimmable brightness adjustment.

ADISPLAY 21,5" Wide is qualified according to environmental standards MIL-STD810F and MIL-STD461E.

- ◆ Rugged embedded display
- ◆ Full HD screen, 1920x1080 pixels
- ◆ Video input: VGA, DVI-D, CVBS, Y/C and SDI
- ◆ Analog input: CCIR (PAL) and EIA (NTSC)
- ◆ 38999 rugged connectors
- ◆ 0 to 100% dimmable
- ◆ Low Consumption ($\leq 40W$)
- ◆ 5 wires resistive touch screen
- ◆ Very long lifetime led backlight (50 000 hours)
- ◆ Climatic & vibration qualification: MIL STD 810F
- ◆ CEM qualification: MIL STD 461E

APPLICATIONS

- Navy
- Transport / Railway
- Power plants

SPECIFICATIONS*

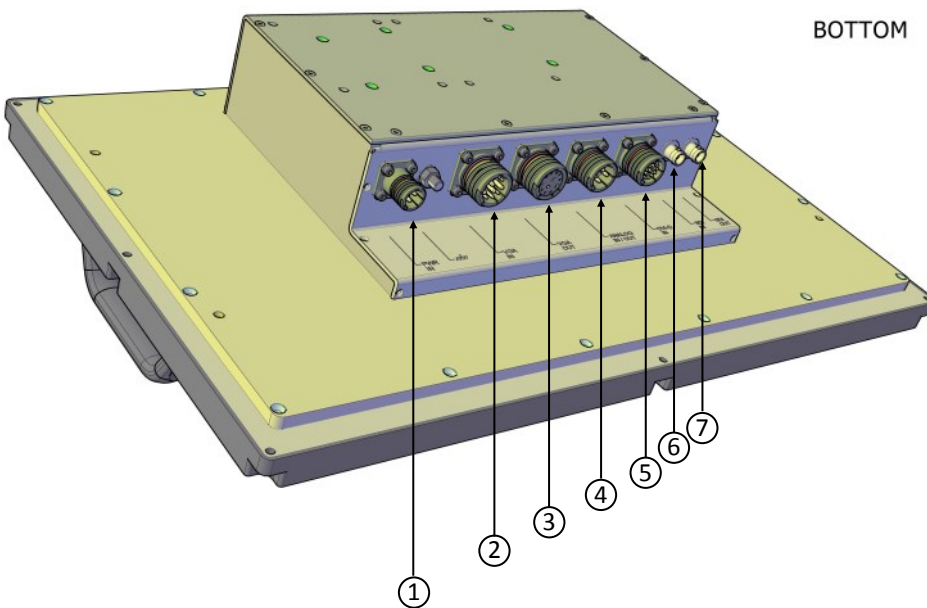
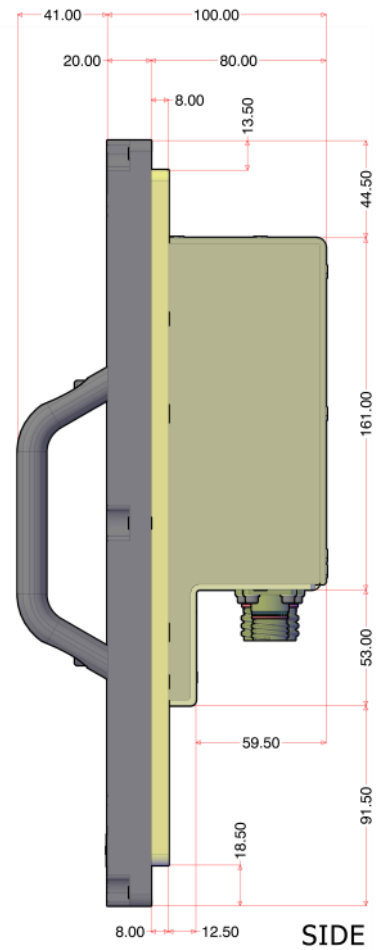
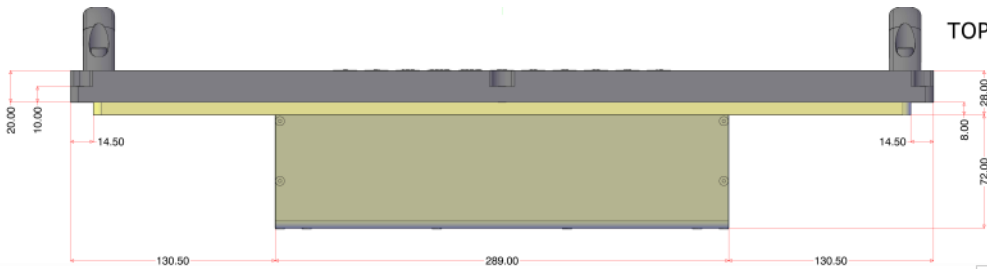
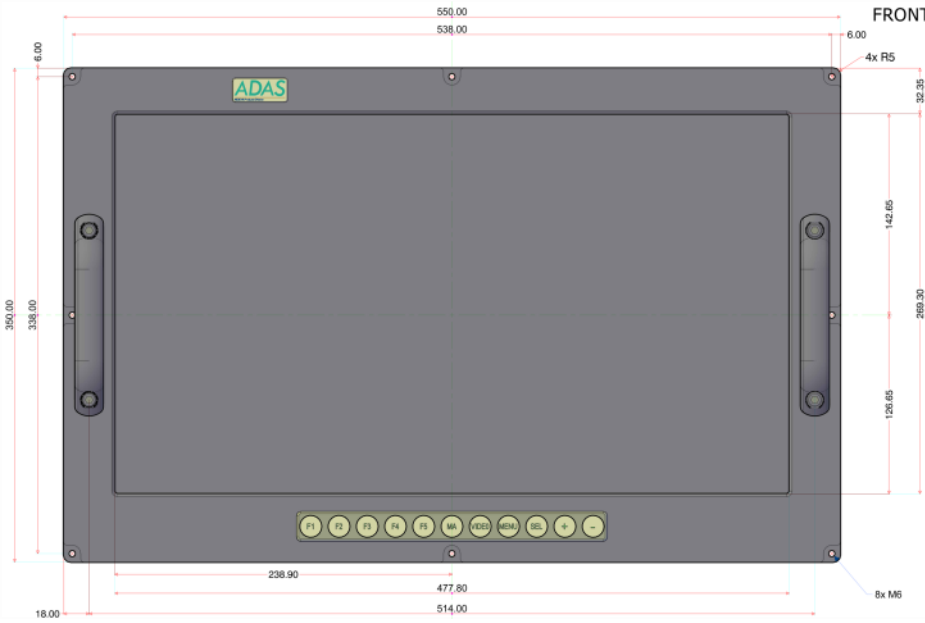
General	
Enclosure	Aluminium
Control	Resistive touch screen display
External dimensions	550 (w) x 350 (h) x 100 (d) mm without handles
Fixation spacing dimensions	269 +269 mm (w) x and 169 + 169 mm (h)
Fixations	8 x M6 screws
Weight	8,3 kg (18,29 Lbs)
Power supply	DC: 12 Vdc – 36 Vdc, 40 W max. AC: 90 Vac – 264 Vac, 40 W max.
Power protection	Reverse polarity for DC voltage. Over voltage and over current Spikes
Display	
Type	Sensitive LCD touch screen display
Screen size (Diagonal)	546,9 mm (21,5")
Active Area	476,6 (w) x 268,1 mm (h) (16:9 FHD format)
Resolution	Full HD 1920 x 1080
Luminance	300 cd / m ²
Contrast ratio	5000 : 1 (Typical)
Max. color	16.7M
Viewing angle	89° (Up), 89° (Down), 89° (Right), 89° (Left)
backlight life	50 000 hours

Video input/output	
Computer inputs	VGA and DVI-D
Computer output	VGA
Analog video inputs	CVBS and Y/C
Analog video output	CVBS
Digital video inputs/outputs	SD/HD/3G SDI (270 and 1497 Mbits/s and 3G)
Compatibility	CCIR (PAL), EIA(NTSC), STANAG 3350 (RS170)
Connectors	
Power supply (DC/AC)	DC: D38999 / 20FA98PN AC: D38999 / 20FA98PA
VGA input	D38999 / 20FD97PN
VGA output	D38999 / 20FD97SN
DVI-D input	D38999 / 20FC35PN
CVBS input /output & Y/C input	D38999 / 20FC04PN
SD/HD/3G SDI input/output	BNC 75Ω
Environment	
Operating temperature	-20°C ; +70°C with preheating
Storage temperature	-20°C ; +85°C
High temperature	MIL-STD-810F Method 501.4
Low temperature	MIL-STD-810F Method 502.4
Temperature shock	MIL-STD-810F Method 503.4
Humidity (storage)	95% -non-condensing, MIL-STD-810F Method 507.4
Vibration	MIL-STD-810F Method 514.5
Shock	MIL-STD-810F Method 516.5
Constant acceleration	MIL-STD-810F Method 513.5
Altitude	functional at 70 000 ft, MIL-STD-810F Method 500.4
Waterproof	Font panel IP65 compliant
CEM	MIL-STD-461E (CE101, CE102, RE101, RE102, CS101, CS114, CS115, RS101, RS103)
RoHS	RoHS2

ACCESSORIES	
Plug set (DC/AC versions)	
Power supply	DC: D38999/26FA98SN AC: D38999/26FA98SA
VGA input	D38999/26FD97SN
VGA output	D38999/26FD97PN
DVI-D input	D38999/26FC35SN
CVBS input /output* & Y/C input	D38999/26FC04SN
Transport case	Robust water resistant polypropylene case, with pressure equalization valve

*Specifications given for 25°C

INTEGRATION



REMOTE CONNECTIONS

Example:

1. Power supply
2. VGA input
3. VGA output
4. Analog input/output
5. DVI-D input
6. SDI input
7. SDI output

ORDERING INFORMATION

ADISPLAY-21W/DC	Multi-source rugged video display 21,5" wide, with DC power supply
ADISPLAY-21W/AC	Multi-source rugged video display 21,5" wide, with AC power supply
ADISPLAY-21W-DC/PLUG	Plug set for DC power supply
ADISPLAY-21W-AC/PLUG	Plug set for AC power supply
SC-WIDE-TR-CASE	Transport case