

# ADISPLAY 12"

## MULTI-SOURCE RUGGED VIDEO DISPLAY



**ADISPLAY 12"** 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/SDI. Selection is commanded remotely or by a front panel switch.

Video source VGA, CVBS and SD/HD/SDI can be duplicated by ADISPLAY12". This feature is typically useful to insert it in an existing installation and duplicate a display without requiring an additional video output.

**ADISPLAY12"** is compatible with night applications with a 0 to 100% dimmable brightness adjustment.

**ADISPLAY12"** is qualified according to environmental standards MIL-STD810F and MIL-STD461E.

- ◆ Rugged embedded display
- ◆ 12.1" screen, 1024x768 pixels
- ◆ Video input: VGA, DVI-D, CVBS, Y/C and SDI
- ◆ Analog input: CCIR (PAL), EIA (NTSC) and STANAG 3350
- ◆ 38999 rugged connectors
- ◆ 0 to 100% dimmable
- ◆ Low Consumption ( $\leq 30W$ )
- ◆ 5 wires resistive touch screen
- ◆ Long lifetime led backlight (70 000 hours)
- ◆ Climatic & vibration qualification: MIL STD 810F
- ◆ CEM qualification: MIL STD 461E

### APPLICATIONS

- Aircraft
- Navy
- Military Vehicles
- Transport / Railway
- Power plants

### SPECIFICATIONS\*

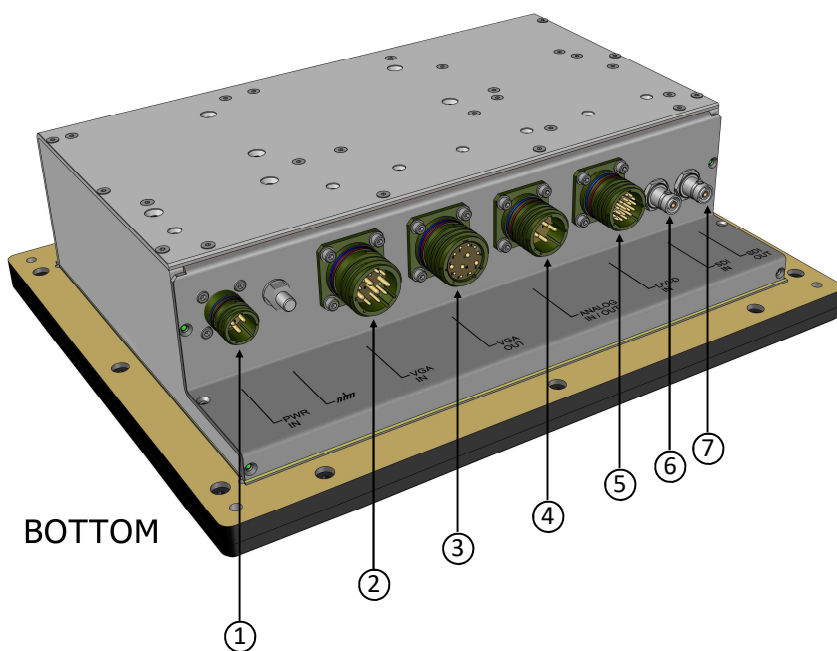
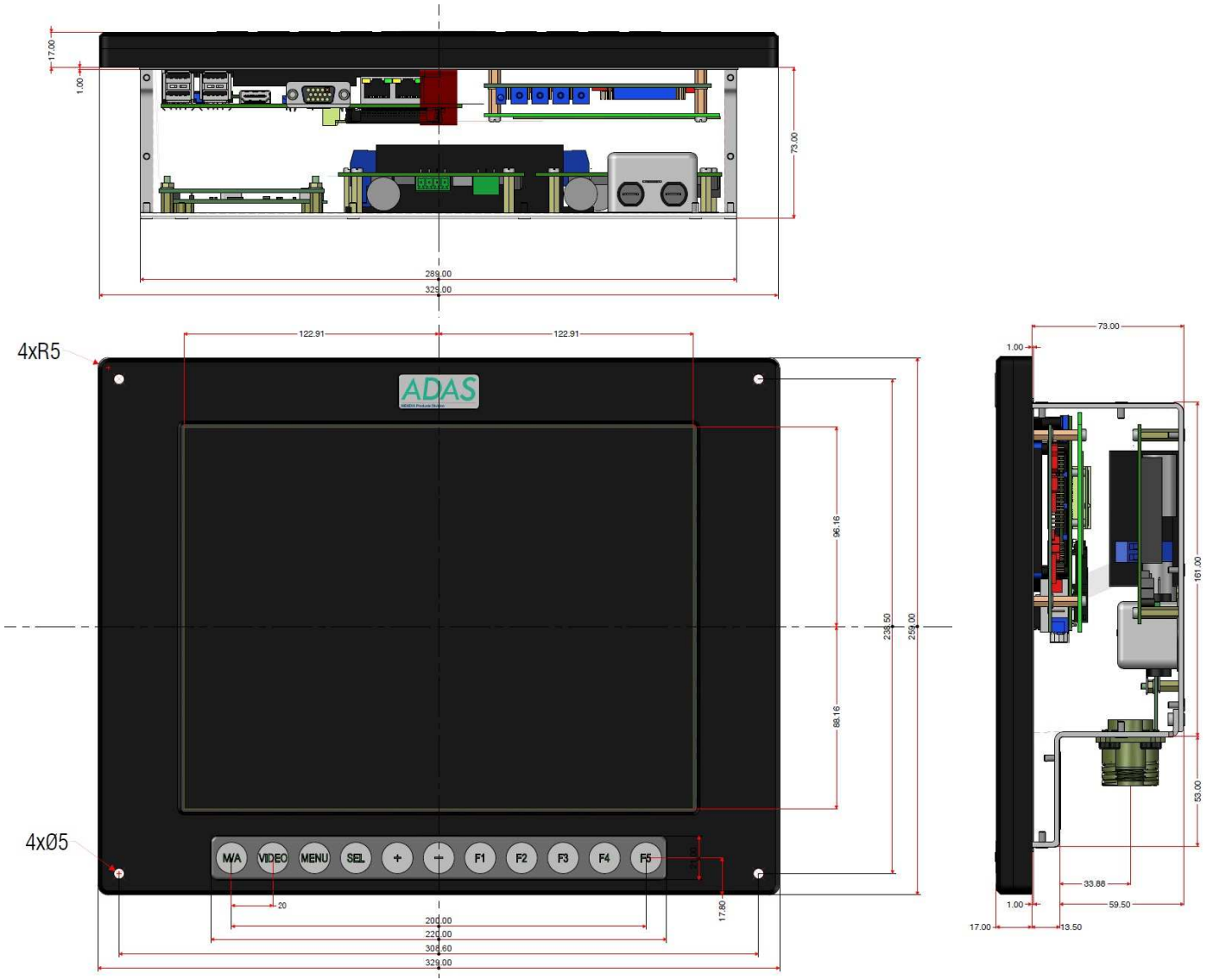
General	
Enclosure	Aluminium
Control	Front panel switch and remote control
External dimensions	329 (w) x 259 (h) x 90 (d) mm
Fixations spacing dimensions	308.60 (w) x 238.50 (h) mm
Fixations	4 x M5 screws
Weight	4.5 kg (9.92 Lbs)
Power supply	DC: 12 Vdc – 36 Vdc, 30 W max. AC: 90 Vac – 264 Vac, 30 W max.
Power protection	Reverse polarity for DC voltage. Over voltage and over current Spikes
Display	
Type	Sensitive LCD touch screen display
Screen size (Diagonal)	310 mm (12.1")
Active Area	245.7 (H) x 184.3 (V) mm (4:3 format)
Resolution	1024 (H) x 3 (RGB) x 768 (V)
Luminance	800 cd / m <sup>2</sup>
Contrast ratio	900 : 1 (Typical)
Max. color	16.7 M
Viewing angle	80° (Up), 80° (Down), 80° (Right), 80° (Left)
backlight life	70 000 hours

<b>Video input/output</b>	
Computer inputs	VGA and DVI-D
Computer output	VGA
Analog video inputs	CVBS and Y/C
Analog video output	CVBS
Digital video input/output	SD/HD/SDI (270 and 1497 Mbits/s)
Compatibility	CCIR (PAL), EIA(NTSC), STANAG 3350 (RS170)
<b>Connectors</b>	
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
<b>Environment</b>	
Operating temperature	-20°C - +70°C
Storage temperature	-30°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 000ft, 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

<b>ACCESSORIES</b>	
<b>Plug set (DC/AC versions)</b>	
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
<b>Transport case</b>	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-12/DC	Multi-source rugged video display 12", with DC power supply
ADISPLAY-12/AC	Multi-source rugged video display 12", with AC power supply
ADISPLAY-12-DC/PLUG	Plug set for DC power supply
ADISPLAY-12-AC/PLUG	Plug set for AC power supply
SC-LARGE-TR-CASE	Transport case