



Data Sheet

AVDU - 1626/7

6.5" VGA Multi-function LCD Display



The AVDU-1626/7 is a two part display designed for use primarily in cockpit positions where space is very limited and where a full VGA, daylight readable multi-function display is required. The unit is split into front and rear sections to provide a solution for a fold-away installation. A small, short cable connects the front and rear sections of the display.

Like all AVDU series displays, the AVDU-1626/7 offers multiple video inputs, VGA (computer/graphics/map) input and an integrated touch screen. The touch screen can be used to interface with the Honeywell Skyforce Observer moving map system if required or where used with a Skyquest VMS system the touch screen can be used to select video inputs etc.

Features

- ◆ Compact, split design for use in space limited installations
- ◆ Full multi-function display
- ◆ Multiple video inputs
- ◆ Map/Computer or graphics input
- ◆ Touch screen interface
- ◆ Sunlight readable
- ◆ Design caters for fold-away installations
- ◆ Designed for both helicopters and fixed wing aircraft

Figure 1 (left to right): AVDU - 1626/7
 In stowed position
 Being folded into locked position.
 In fully locked position ready for use in flight.



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Table 1: General Specifications

Physical	
Dimensions	204mm (w) x 150mm (h) x 77mm (d) 8.03" (w) x 5.91" (h) x 3.03" (d)
Weight	2.3 kg/ 5.06 lbs
Finish	Matt black
Electrical	
Input Voltage	28V DC
Video and Graphic Signals	
Video Input Standards	Composite video, S-video (Component video (YCbCr) or RGB video or STANAG 3350/B/C) PAL, NTSC & SECAM
Graphic Input Standards	Standard VESA VGA, SVGA, XGA, SXGA, UXGA
Connectors	
Power	D38999/20WB 98PN
Signal	D38999/20WD 35PN
Remote	D38999/20WB 35SN
Display Performance	
Resolution	640 x 480 pixels
Viewing Area	135.5mm (w) x 99.6mm (h) 5.331" (w) x 3.92" (h)
Pixel Pitch	0.207mm (w) x 0.207mm (h) 0.01" (w) x 0.01" (h)
Pixel Configuration	RGB vertical stripe
Viewing Angle	Right: 60° Left: 60° Down: 60° Up: 40°
Luminance at Optimum Viewing Angle	Max: >1600cd/m ² Min: <17 cd/m ² (max 1850 cd/m ²)
Contrast Ratio at Optimum Viewing Angle	>150:1

Table 2: Environmental Performance
(to EUROCAE/ED-14D and RTCA/DO-160D)

Section	Category
4 - Temperature & Altitude	Category A1 This unit is considered satisfactory for operation up to an altitude of 25,000ft un-pressurised.
5 - Temperature Variation	Category C
6 - Humidity	Category A
7 - Operational Shocks & Crash Safety	Category B Operating: 6g 11/ms Non-operating: 15g/11ms
8 - Vibration	Category R + U (equiv: DO-160C Helicopter -Test curve 'N', 1.5g p-p)
9 - Explosion Proofing	N/A Category A Equipment located within the passenger cabin.
10 - Waterproofing	Category W
11 - Fluid Susceptibility	Category F
12 - Sand & Dust	Category D
13 - Fungus Resistance	N/A Category F
14 - Salt Spray	N/A Category S
15 - Magnetic Effect	Category A The unit has no perceivable effect when mounted within 460mm (18") of an aircraft magnetic compass.
16 - Power Input	Category B
17 - Voltage Spike	Category A
18 - Audio Frequency	Category Z
19 - Induced Susceptibility	Category B
20 - RF Susceptibility (Radiated & Conducted)	Category S
21 - RF Emission	Category B
22 - Lightning Induced Transients	Not considered
23 - Lightning Direct Effects	Not considered
24 - Icing	Not considered
25 - Electrostatic Discharge	Category A

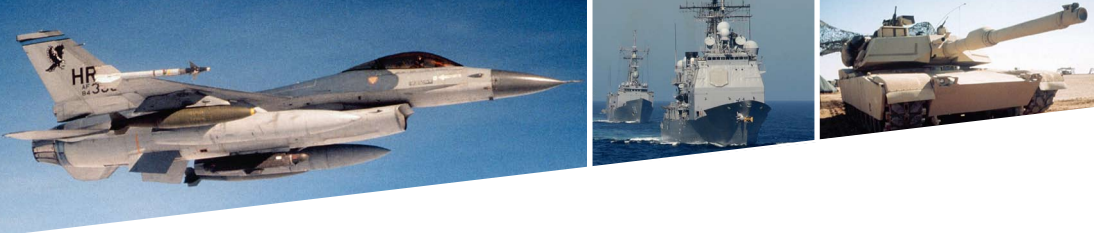
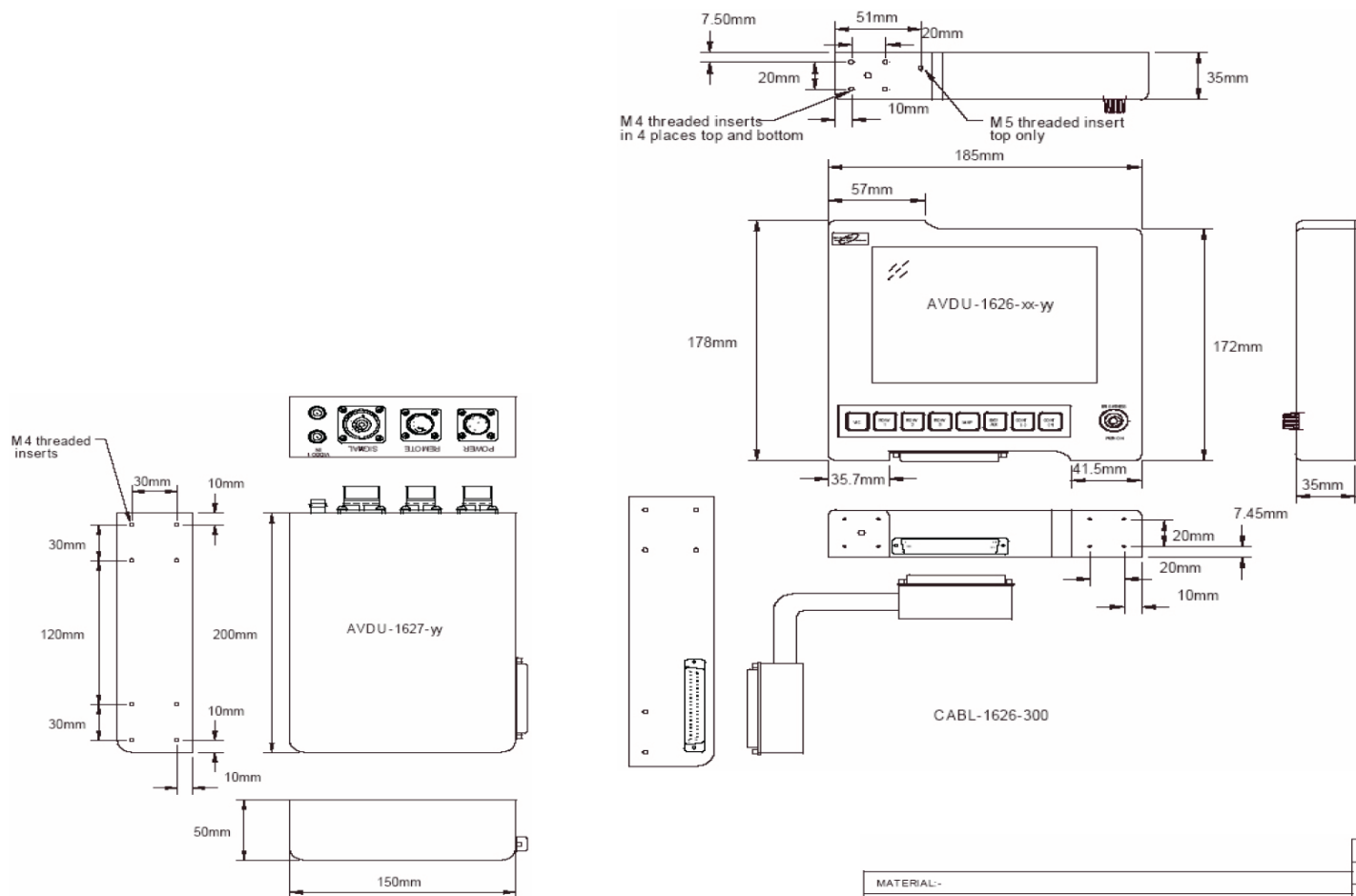


Figure 2: AVDU-1626/7 Dimensional Diagrams



Warranty

This product has a one year warranty.

Contact Information

To find your appropriate sales representative, please visit:

Website: www.cwembedded.com/sales

Email: sales@cwembedded.com

Technical Support

For technical support, please visit:

Website: www.cwembedded.com/support1

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