



Data Sheet

AVDU-2650

10.4" Multi-function Aircraft Display



Features

- ◆ Very high-brightness display
- ◆ Picture-in-Picture (PIP), sized and positioned on the screen by user menu
- ◆ Multiple video inputs, with instant switching between inputs to view
- ◆ Digital freeze frame
- ◆ SCALAR digital zoom
- ◆ NVG filter option
- ◆ Touch screen interface
- ◆ Joystick for use with moving map or to control display functions
- ◆ High-Definition (HD) video input option

Typically the AVDU-2650 will be used in conjunction with multi-sensor FLIR cameras, moving maps and video recorder/s where the control over signal input, moving map functionality and video recorder control is gained from the display.

In addition to control of up to two video recorders the AVDU-2650 shows recording status and can give warning of recording errors.

Alternatively the AVDU-2650 can be used by OEM's where up to 24 soft keys and/or a touch screen interface is required to control other external equipment.

Like all AVDU series displays, the AVDU-2650 offers a wide range of video and VGA compatibility and gives the user a choice of inputs to satisfy most applications. As standard, the display offers excellent video quality and features such as PIP, video freeze frame, video zoom and full range dimming.

The front button key legends can be customized to match the installation.

For night vision goggle operation we can fit a dual LED backlight. This gives the operator bright, clear and colorful daylight images readable in direct sunlight and an NVG compatible filtered display for night time operations.



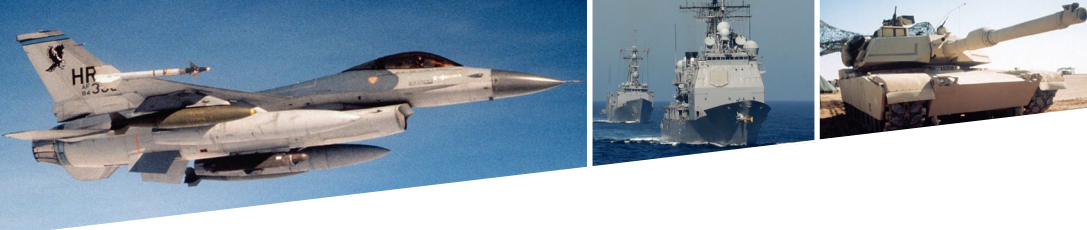
Learn More

Web / sales.cwembedded.com

Email / sales@cwembedded.com

ABOVE & BEYOND





Ordering Information

Description: 10.4" XGA multi-function LCD display

Table 1: General Specifications

Physical	
Dimensions	273mm (w) x 233mm (h) x 63mm (d)
Weight	3.2 kg/ 7.05 lbs
Finish	Matt black
Electrical	
Input Voltage	28V DC
Power Dissipation	15 watts
Video and Graphic Signals	
Video Input Standards	PAL 50 Hz, NTSC 60 Hz, Composite video, S-video (Y/C) and Component video (R,G,B/ Y,Cr,Cb)
Graphic Input Standards	Standard VGA, SVGA, XGA, SXGA and UXGA
Connectors	
Video In/Out	4 x BNC (isolated)
Power	D38999/20WB 98PN
Signal	D38999/20WD 35PN
Remote	D38999/20WB 35SN
Display Performance	
Resolution	1024 x 768 pixels XGA
Viewing Area	210.432mm (w) x 157.824mm (h)
Color Capacity	6-bits per color; 256K colors
Grey Scale Capacity	64 grey scale
Viewing Angle	Horizontal: +/-55° Vertical: +40° to -35°
Luminance at Optimum Viewing Angle	Max: >800 cd/m ² Min: <7 cd/m ²
Contrast Ratio at Optimum Viewing Angle	>200:1
Environmental	
Designed to meet RTCA/D0-160D	
Temperature	
Operating	-25°C (-13°F) to + 55°C (131°F)
Storage	-30°C (-22°F) to +80°C (176° F)

Table 2: AVDU-2650-xx-yy and can be configured using these part numbers

Part Number	Description
AVDU	Indicates that the product is a display (Advanced Visual Display Unit)
26	Indicates the screen diagonal in cm (Approximate)
50	This denotes the variant of the display in this series
xx	This denotes the type of front screen fitted: 01: Contrast enhancing filter 02: NVG filter with etched front surface 51: Touchscreen with contrast enhancing filter 52: Touchscreen with NVG filter 53: Touchscreen with clear class front surface 72: Dual LED backlight with NVG filtering and touchscreen
yy	This denotes the configuration of the keys and controls. Before a number can be assigned the keys requirements should be discussed with you Curtiss-Wright Controls Embedded Computing sales person.
Options (add to end of part number)	
HD	High Definition (HD-SDI) option
HT	Heater option
DN	Day/Night – NVG external switch option
SP	PS2 Serial Interface Option
SN	Keyboard/Mouse Serial Interface Option
S2	RS232 Serial Interface Option
S4	RS422 Serial Interface option

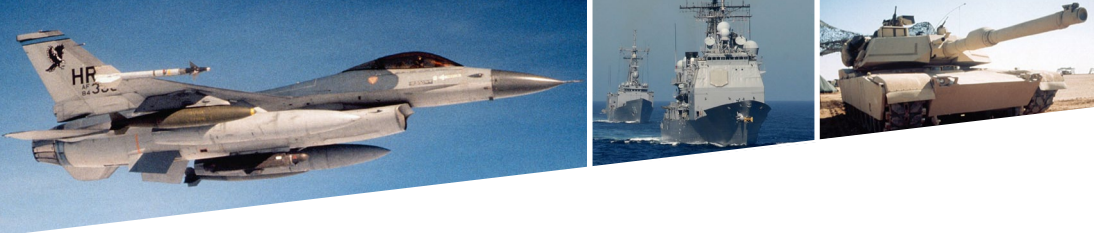
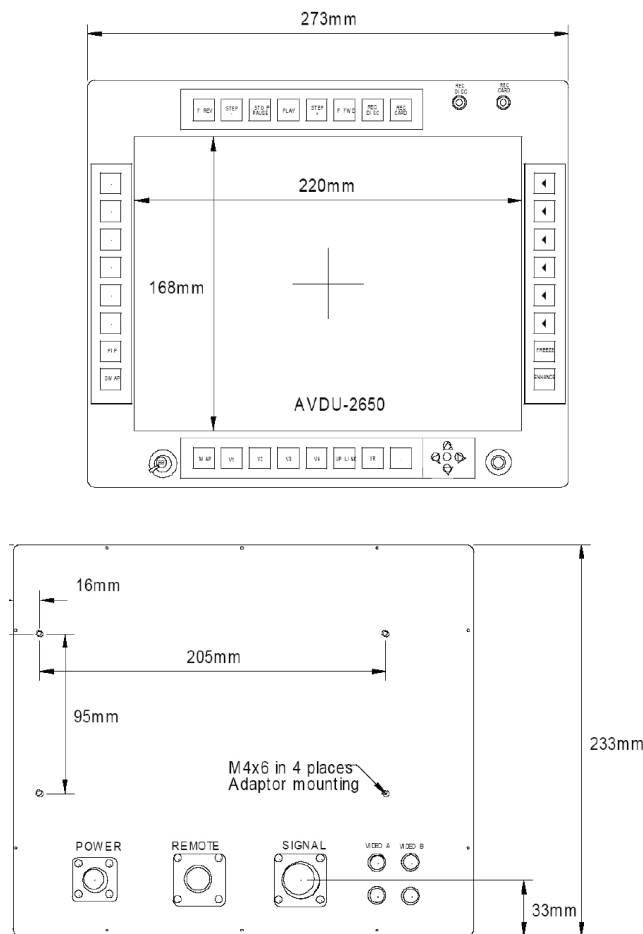


Figure 1: AVDU-2650 Dimensional Diagrams



Warranty

This product has a one year warranty.

Contact Information

To find your appropriate sales representative:

Website: www.cwembedded.com/sales

Email: sales@cwembedded.com

Technical Support

For technical support:

Website: www.cwembedded.com/support

Email: support1@cwembedded.com

The information in this document is subject to change without notice and should not be construed as a commitment by Curtiss-Wright Controls Embedded Computing. While reasonable precautions have been taken, Curtiss-Wright assumes no responsibility for any errors that may appear in this document. All products shown or mentioned are trademarks or registered trademarks of their respective owners.