



AVDU-1805

High-definition Aircraft Video Display



- ◆ 16:9 widescreen format
- ◆ HD compatible, high resolution display
- ◆ NVG option
- ◆ Dual HD-SDI inputs
- ◆ Composite, S-Video and RGB inputs
- ◆ Integrated joystick for moving map applications
- ◆ Flexible mounting design for ease of installation
- ◆ Rugged construction and use of Mil Standard connectors
- ◆ Rotary dimming knob



Introduction

The AVDU-1805 offers the ability to view high-definition (HD) video images in the cockpit or rear cabin of aircraft on a compact, high brightness display in true widescreen format. The AVDU-1805 is typically used in installations as an addition to our main 20" HD, where it provides the highest quality images to other personnel onboard an aircraft. Often found in the cockpit area of both rotary and fixed wing aircraft, the small size and convenient mounting structure of the AVDU-1805 make it an ideal choice for both new and retrofit applications.

Like all Skyquest displays, the versatile 7" AVDU-1805 offers multiple video inputs in addition to the computer graphics input, and so can easily handle moving maps or mission computers, as well as multi-sensor camera feeds. In addition to dual HD inputs, the unit has composite, S-Video, and RGB inputs, making it one of the most versatile compact HD displays on the market.

Learn More

Sales Info: sales.cwembedded.com

Sales Email: sales@cwembedded.com

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AVDU-1805

Table 1: General Specifications

Physical	
Dimensions	203.2 mm x 174 mm x 133 mm 8.0" x 6.85" x 5.24"
Weight	< 3.0 kg (6.61 lbs)
Video and Graphic Signals	
Video Input Standards	<ul style="list-style-type: none"> Composite video S-Video (Y/C) Component video (YCbCr) or RGB video or STANAG 3350/B/C (default)
Serial Digital HD/SD Video	Includes: Two BNC HD-SDI input connectors Inputs can accept either of the following signal formats: <ul style="list-style-type: none"> HD-SDI: SMPTE-292M and ITU-R BT.709-4 (720p, 1080i) 1.485 Gbits/s; or SD-SDI: SMPTE-259M and ITU-R BT.656 16 bit 4:2:2 standards 270 Mbits/s (480i, 576i)
Graphic Formats Supported	Standard: VESA VGA, SVGA, XGA, SXGA, WXGA, UXGA & WUXGA (scaled)
Performance	
Display Resolution	1280 x 768 (WXGA)
Power	28 VDC
Power Consumption	60 W (option dependent)
Other	
Qualified to EUROCAE/ED-14D and RTCA/DO-160D	

Table 2: Part Numbers and Available Options

Part Number	Description
AVDU	Indicates that the product is a display (Advanced Visual Display Unit)
18	Screen diagonal in cm (approximate)
05	This denotes the variant of the display in this series
xx	This denotes the type of front screen fitted: 01: Anti-reflective front surface contrast enhancing 02: NVG filter with etched front surface (green) 03: Anti-reflective front surface 04: Clear glass disruptive front surface 05: NVG filter with etched front surface (grey)
yy	This denotes the configuration of key and controls
Additional Options	
DV	Additional DVI input option
Sx	External serial interface option: RS-232 [S2], RS-422 [S4], PS2 [SP], KBD/Mouse [SN]