



mission equipped

AIRCRAFT VIDEO/VGA DISPLAYS

AVDU - 2649 High Definition (HD) 10.4"

XGA MULTI-FUNCTION LCD DISPLAY



Specifically designed for users of the latest generation High Definition (HD) camera systems, the AVDU-2649 combines standard definition and high definition video input options into a compact design 10.4" mission display.

Like our AVDU-2640 display, the AVDU-2649 has been designed for use where space is very limited and the controls for the display have been moved away to a separate control panel to enable mounting of the display in confined spaces. The slim remote control panel, part numbers RCMP-1050 and 1080 give full control over the displays' features.

As standard, picture-in-picture & split screen mode are available. When using a moving map or mission computer the image can be combined with a live video input to display both to the user simultaneously or as individual full screen signals.

When using the HD input, the screen can be controlled to display the full video image in a widescreen (letterbox) mode, or by cutting the left and right hand edges from the HD image the screen can be filled with HD resolution imagery using the entire display area.

FEATURES INCLUDE

- High Definition (HD) video inputs
- Fully tested with the leading HD camera systems
- Standard definition (SD) inputs enable simultaneous inputs of both SD and HD signals
- Picture-in-Picture mode
- Compact design
- NVG option

SKYQUEST LTD

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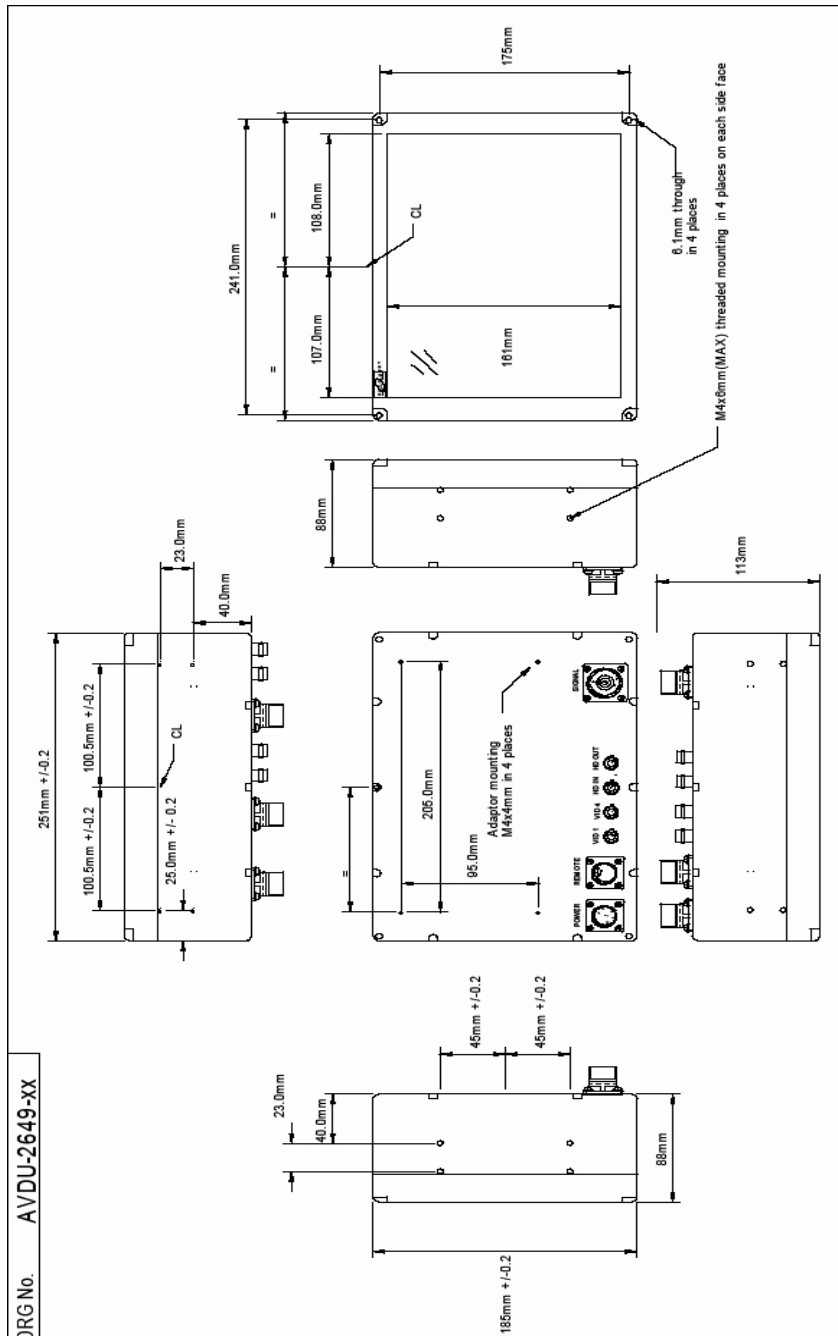
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OTHER PRODUCTS

AIRCRAFT VIDEO/VGA DISPLAYS

- » 4" Display
- » 6.5" Display
- » 8.4" Display
- » 9" CRT Display
- » 10.4" Display
- » 12.1" Display
- » 15" Display
- » 18" Display
- » 20.1" Display

EMBEDDED PC SMART DISPLAYS

AIRCRAFT VIDEO RECORDERS

- » Hard Disk Digital Recorder
- » Compact Flash Recorder
- » SHVS Recorder

MOVING MAPS

DIFFERENTIAL GPS

- » Differential GPS (DGPS)
- Standard & High Performance System

VIDEO / RADAR CONVERTERS

- » RDR 1500 Radar Converter
- » VGA To Video Converter
- » VGA To STANAG 3350 Converter

AIRCRAFT INSTALLATION / BRACKETS

- » NVG Cockpit Equipment Modifications
- » Camera Brackets & Equipment Consoles

MICROWAVE LINKS / DATALINKS

- » Long Range Automated Steerable Tracking Datalink System
- » Low Cost Short Range Omni-Direction System

CARGO HOOK CAMERA

GPS SPLITTER / AMPLIFIER

VIDEO DISTRIBUTION SYSTEMS



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AIRCRAFT VIDEO/VGA DISPLAYS

Specifications

Physical

Dimensions	251mm(w) x 185mm(h) x 88mm(d) 9.88"(w) x 7.28"(h) x 3.46"(d)
Weight	4.1 kg/ 9.02lbs
Finish	Matt Black

Electrical

Input voltage	28V DC
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Temperature

Operating	-25°C (-13°F) to + 55°C (131°F)
Storage	-30°C (-22°F) to +80°C (176° F)

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
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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	1024 x 768 pixels
Viewing area	210.43mm (w) x 157.8 mm (h) 8.28"(w) x 6.21"(h)
Pixel pitch	0.2055mm(w) x 0.2055mm(h) 0.01"(w) x 0.01"(h)
Pixel configuration	RGB vertical stripe
Viewing angle	Right = 55° Left = 55° Down = 35° Up= 40°
Luminance at optimum viewing angle	Max>800cd/m ² Min<7 cd/m ² (max 1200 cd/m ²)
Contrast ratio at optimum viewing angle	>300:1

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Environmental Performance

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

Section

4 - Temperature & Altitude	Category A1 This unit is considered satisfactory for operation up to an altitude of 15,000 feet un-pressurised.
5 - Temperature Variation	Category C
6 - Humidity	Category A
7 - Operational Shocks & Crash Safety	Category B , Operation 6g 11/ms, Non operation 15g/11ms
8 - Vibration	Category R+U (equiv: DO-160C Helicopter -Test curve 'N', 1.5g p-p)
9 - Explosion Proofing	Category E Environment III Surface temperature in normal operation cannot cause ignition.
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

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