

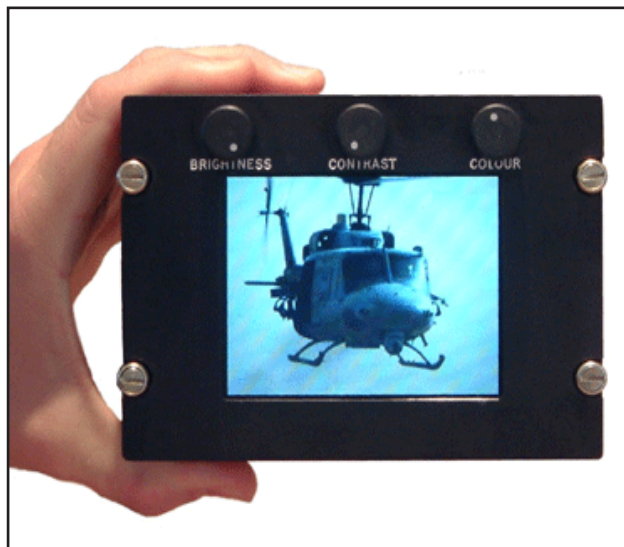


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AIRCRAFT VIDEO/VGA DISPLAYS

AVDU - 1010 4"

4" COMPACT AIRCRAFT VIDEO DISPLAY



The AVDU-1010 is a compact LCD video display designed for airborne use. It offers high quality video viewing on a display designed to be installed in aircraft cockpits where space is at a premium.

Limited to VGA resolution, the display is usually used as a secondary viewing source and is capable of displaying either PAL or NTSC video through its composite video input.



Photograph shows AVDU-1010 in pilot and co-pilot positions on Falcon jet for EVS application

FEATURES INCLUDE

- Small and lightweight.
- Plug-and-Play video compatibility with PAL and NTSC.
- DZUS mounting for ease of installation.

SKYQUEST LTD

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International Customers:

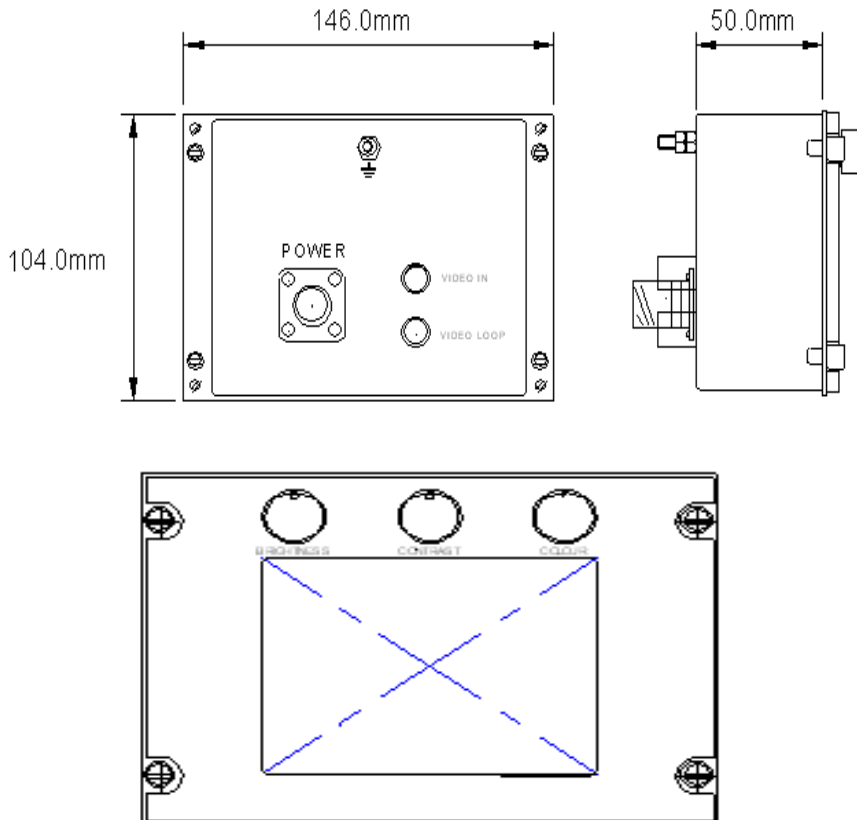
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ABOUT US

Skyquest Aviation supply industry leading video display, video distribution, video recording and video transmitting technology for airborne surveillance aircraft. Our customers typically include police, customs, coastguard, border patrol, military, search & rescue, MOD and government agencies. We also supply directly to OEM's and prime contractors worldwide, as well as most of the world's leading aircraft manufacturers.

AIRCRAFT LCD MULTI-FUNCTION MISSION DISPLAYS

Skyquest offer a wide range of multi-function rugged LCD displays for aircraft. Designed for use with FLIR and long range daylight video cameras, moving maps, computers and radar. Our current range extends from 4" through to 20.1" units.

RUGGED VIDEO RECORDERS FOR AIRCRAFT APPLICATIONS

Skyquest provide a solution for high quality video recording from airborne surveillance cameras, radar and moving maps in all video formats and to match even the most demanding applications.

RADAR & VIDEO CONVERTERS

Skyquest Aviation supply video converters to convert unconventional or specialist signals to more common types to enable standard displays to be used where previously custom designed units needed to be installed.



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Specifications

Physical

Dimensions 146mm(w) x 104mm(h) x 50mm(d)
 5.7"(w) x 4.1"(h) x 2.0"(d)
 Weight < 1kg/ 2.2 lbs
 Finish Matt black anodised

Electrical

Input voltage 28V DC
 Power dissipation 15 watts

Temperature

Operating 0°C (32°F) to + 60°C (140°F)
 Storage -30°C (-22°F) to +80°C (176° F)
 (internal heater as standard)

Video and Graphic Signals

Video input standards PAL 50 Hz and NTSC 60 Hz

Connectors

Video in/out 2 x BNC (isolated)
 Power D38999/20WB 98PN

Display Performance

Resolution 480 x 234 pixels
 Viewing area 82.1mm (w) x 61.8mm (h)
 3.232"(w) x 2.433"(h)
 Pixel pitch 0.171mm(w) x 0.264mm(h)
 0.007"(w) x 0.010"(h)
 Pixel configuration RGB vertical stripe
 Colour capacity 6 bits per colour; 256K colours
 Grey scale capacity 64 grey scale
 Viewing angle +/-45° horizontal; +10° to -30°vertical
 Luminance at optimum viewing angle Max>250 cd/m² Min<7 cd/m²
 Contrast ratio at optimum viewing angle 100:1

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

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 25,000 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	N/A Category A, Equipment located within the passenger cabin.
10 - Waterproofing	Category W
11 - Fluid susceptibility	Category X
12 - Sand & Dust	Category D
13 - Fungus Resistance	N/A Category F
14 - Salt Spray	N/A Category X
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 A + Z
19 - Induced Susceptibility	Category Z
20 - RF Susceptibility (Radiated & Conducted)	Category U
21 - RF Emission	Category B
22 - Lightning Induced Transients	Not considered
23 - Lightning Direct Effects	Not considered
24 - Icing	Category X
25 - Electrostatic discharge	Not considered

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Ordering Information

Description: 4" Video LCD display (DZUS mounted)
Part number: AVDU-1010-01
AVDU-1010-02 (with NVG filter)