



mission equipped

AIRCRAFT VIDEO/VGA DISPLAYS

VADU - 9102

VIDEO AMPLIFIER DISTRIBUTION UNIT



The VADU-9102 is a simplified video distribution amplifier for aircraft. The unit enables each of two video inputs to be distributed to 5 outputs to drive, for example, multiple video displays or a combination of video displays and video recorders in the aircraft.

A typical installation of this unit enables the output of a FLIR camera system and playback from an on-board video recorder to be distributed to 5 sources - perhaps 3 mission displays, a microwave downlink and a video recorder.

In addition to simplified video distribution, the unit enables communication between other equipment such as moving maps. For example a map command via display touch screen or soft-keys can be routed to a map processor (Honeywell Skyforce Observer).

FEATURES INCLUDE

- Simplified video distribution for aircraft
- 2 inputs to 10 outputs (1:5)
- Small rugged construction
- Lightweight

SKYQUEST LTD

Units 19/20 Woodlands Farm
Spring Lane
Cookham Dean
Berkshire
SL6 9PN
Tel: 01628 891017
Fax: 01628 476053

International Customers:

Tel: +44 1628 891017
Fax: +44 1628 476053

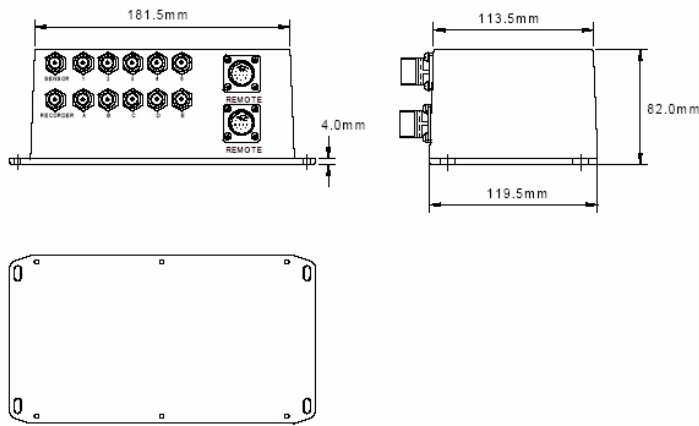
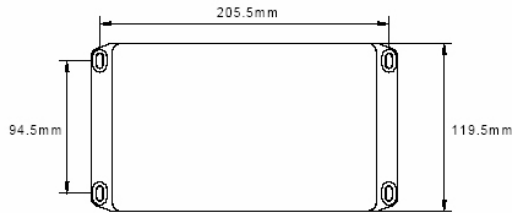
Email: info@skyquest.co.uk

Web: www.skyquest.co.uk



mission equipped

AIRCRAFT VIDEO/VGA DISPLAYS



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



mission equipped

AIRCRAFT VIDEO/VGA DISPLAYS

Specifications

Video Distribution system outline specification

Input	1 Video, 1Vpp/75Ω (Y) (x2)
Outputs	5 Video, 1Vpp/75Ω (Y) (x2)
Max. video output	2 Vpp (Y).
Video Bandwidth	(-3dB): 230MHz (Y).
Diff. gain	0.08%.
Diff. phase	0.12 Deg.
K-Factor	0.05%.
S/N Ratio	72dB.
Coupling	AC.

Technical specification

Type	Painted Aluminium
External Height	82mm
Width External	120mm
Length External	188mm (217mm)
Enclosure Material	Die-cast Aluminium
IP Rating	IP 54
Surface Finish	Painted black Vibra smooth
Wall Thickness	2mm
Mounting	4x CSK Flange slots

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



mission equipped

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	Category A Equipment located within the passenger cabin.
10 - Waterproofing	Category W
11 - Fluid susceptibility	Category D
12 - Sand & Dust	N/A Category F
13 - Fungus Resistance	N/A Category X
14 - Salt Spray	Category A The unit has no perceivable effect when mounted within 460mm (18") of an aircraft magnetic compass
15 - Magnetic Effect	Category B
16 - Power Input	Category A
17 - Voltage Spike	Category Z
18 - Audio Frequency	Category Z
19 - Induced Susceptibility	Category U
20 - RF Susceptibility (Radiated & Conducted)	Category B
21 - RF Emission	Not considered
22 - Lightning Induced Transients	Not considered
23 - Lightning Direct Effects	Not considered
24 - Icing	Category X
25 - Electrostatic discharge	Category A

SKYQUEST LTD

Units 19/20 Woodlands Farm
Spring Lane
Cookham Dean
Berkshire
SL6 9PN
Tel: 01628 891017
Fax: 01628 476053

International Customers:

Tel: +44 1628 891017
Fax: +44 1628 476053
Email: info@skyquest.co.uk

WORLDWIDE DISTRIBUTION & SALES

Italy

International Promotion Services Srl
Via Gide 33
00143
Roma
ITALY
Tel: +39-06-5020321
Fax: +39-06-5005069

France

Toussaint Felli
AEROTECH AVIQUIPO
Residence Plein Soleil
Le Neptune A2
20000 Ajaccio
Corsica, France
Tel: +33 (495) 211589

Scandinavia

Scandinavian Aerospace & Industry AB
Box 704
Mediavagen 14
135 17 TYRESO
Sweden
Tel: +46 (89) 30810

Malaysia

Aero-Avia Consult Sdn Bhd
UG-1A, North Emerald Plaza
Jalan PJU 8/3A
Damansara Perdana
47870 Petaling Jaya
Selangor Darul Ehsan
Malaysia
Tel: +60 17 9201520
Fax: +60 3 7729 6222