



DECLARATION OF DESIGN AND PERFORMANCE

1. NAME AND ADDRESS OF SUPPLIER: Skyquest Ltd. Unit 19/20 Woodlands Farm Cookham Dean Berkshire United Kingdom SL6 9EN	2. D.D.P. N°: AVDU-1616-01-02-DDP	PAGE 1 OF 4															
	3. ISSUE N°: A																
	4. DATE 12th April 2007																
	5. TYPE OF DECLARATION: <div style="text-align: center; font-size: 1.2em;">QUALIFIED</div>																
6. DECLARATION OF DESIGN AND PERFORMANCE OF <div style="text-align: center; font-size: 1.1em;">Display 160mm (6.5")</div> <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">(a)</td> <td style="width: 40%;"></td> <td style="width: 40%;"></td> </tr> <tr> <td>(b)</td> <td>AG P/N</td> <td>N/A</td> </tr> <tr> <td>(c)</td> <td>SUPPLIER P/N</td> <td>AVDU-1616-01-02</td> </tr> <tr> <td>(d)</td> <td>MANUFACTURER NAME & P/N</td> <td>Real-Time Vision Ltd. AVDU-1616-01-02</td> </tr> <tr> <td>(e)</td> <td>SUPPLIER MODEL N°</td> <td>AVDU-1616-01-02</td> </tr> </table>			(a)			(b)	AG P/N	N/A	(c)	SUPPLIER P/N	AVDU-1616-01-02	(d)	MANUFACTURER NAME & P/N	Real-Time Vision Ltd. AVDU-1616-01-02	(e)	SUPPLIER MODEL N°	AVDU-1616-01-02
(a)																	
(b)	AG P/N	N/A															
(c)	SUPPLIER P/N	AVDU-1616-01-02															
(d)	MANUFACTURER NAME & P/N	Real-Time Vision Ltd. AVDU-1616-01-02															
(e)	SUPPLIER MODEL N°	AVDU-1616-01-02															
7. MODIFICATION STATUS: (a) Drawing N° AVDU-1616-01-02-TSD Rev. B (b) Mod. Status: MOD 0	8. Mass 2.3kg dry 9. DIMENSIONS Width 204mm, Height 150mm, Depth 77mm																
10. BRIEF DESCRIPTION: 160mm (6.5") diagonal, panel mounted, display system. Incorporating: Bottom, Left and Right control buttons Push On/off Switch Brightness control Four direction joystick with push function Multiple video inputs																	
11. EQUIPMENT DOCUMENTATION: (a) SPECIFICATIONS N°: AVDU-1616-01-02-TSD rev. B (b) APPROVED C.C.N.°: N/A rev. (c) APPROVED S.C.N. N°: N/A.																	
12. INSTALLATION DRAWING N°: <div style="text-align: center;">AVDU-1616-01-02-TSD</div>																	

DECLARATION OF DESIGN AND PERFORMANCE

	D.D.P N°: AVDU-1616-01-02-DDP PAGE 2 OF 4 ISSUE N°:A
13. PERFORMANCE <p style="text-align: center;"> Colour AM LCD 160mm (6.5") diagonal display 2x Composite Video inputs 2x Y/C video inputs 2x RGB video inputs (RGsB + RGBS) 1x Graphic input (RGBHV) </p>	
14. QUALIFICATION BY SIMILARITY FROM: (a) P/N: AVDU-1605/AVDU-1620 (b) Description (c) Qualification reference:	
15. QUALITY CONTROL PROCEDURE: (a) ACCEPTANCE TEST PROCEDURE N°: SKYQ/106/ATP/AVDU-1616-01-02Rev. A (b) QUALITY PLAN N°: QP 9591/U/DW/FS Revision B (R-TV QP10760 Rev B)	
16. FIRST ARTICLE INSPECTION N°: <p style="text-align: center;">AVDU-1616-01-02-FAI 12th April 2007</p>	
17. QUALIFICATION DOCUMENTATION: (a) QPP N°: Not applicable (b) QDs and QTRs List (Description and N°): 1): AVDU-1616-xx-yy-QTR Revision A 2): (c) VDD Not applicable	
18. SERVICE AND INSTRUCTION MANUAL N°: <p style="text-align: center;">AVDU-1616-xx-02-OPS Revision A</p>	
19. FAULT ANALYSIS REPORT N°: <p style="text-align: center;">Not Applicable</p>	

DECLARATION OF DESIGN AND PERFORMANCE

D.D.P N°: PAGE 3 OF 4
AVDU-1616-01-02-DDP
 ISSUE N°: **A**

20. STATEMENT OF THE LEVEL OF COMPLIANCE

The item is approved only for use under the conditions defined below, the limiting figures being based on bench tests except where otherwise stated.

Specification Para. (a)	Design Conditions (b)	EFA(c)	Declarations (d) By test, design, analysis or similarity	Compliance declaration (e)
4 - Temperature & Altitude	Category B1 25,000 ft -25°C to +55°C operating +70°C short operating +30°C no cooling -55°C to +85°C ground survival		By test	Compliant
5 - Temperature Variation	Category C (temp controlled interior) 2 deg/min minimum		By test	Compliant Within the range 0°C-50°C
6 - Humidity	Category A Standard Humidity		By design	Compliant
7 - Operational Shocks & Crash Safety	Category B Operation 6g 11/ms Non operation 15g/11ms		By design	Compliant
8 - Vibration	Category R+U Robust vibration - Helicopter		By similarity	Compliant
9 - Explosion Proofing	Category E Environment III Surface temperature in normal operation cannot cause ignition.		By design	Compliant
10 - Waterproofing	Category W Condensation drips		By similarity	Compliant
11 - Fluid susceptibility	Category F		By design	Not Required Damage to optical coating may occur.
12 - Sand & Dust	Category D		By design	Not Required Damage to optical coatings may occur
13 - Fungus Resistance	Category F		By design	Not required
14 - Salt Spray	Category S		By design	Not Required
15 - Magnetic Effect	Category A DC<1° between 0.3 and 1m		By test	Compliant
16 - Power Input	Category B 28V 50mS interruptions Surge 47V for 5mS Abnormal surge 60V 100mS		By design	Compliant Degraded performance accepted under abnormal conditions.
17 - Voltage Spike	Category A		By design	Compliant
18 - Audio Frequency	Category Z		By design	Compliant
19 - Induced Susceptibility	Category B		By design	Compliant
20 - RF Susceptibility (Radiated & Conducted)	Category S		By similarity	Compliant
21 - RF Emission	Category B		By similarity	Compliant
22 - Lightning Induced Transients	Not considered		By design	Not required
23 - Lightning Direct Effects	Not considered		By design	Not required
24 - Icing	Not considered		By design	Not required
25 - Electrostatic discharge	Category A		By design	Compliant



DECLARATION OF DESIGN AND PERFORMANCE

D.D.P N°: PAGE 4 OF 4
AVDU-1616-01-02-DDP
 ISSUE N°: **A**

21. DECLARATION

According to the results of Acceptance and Qualification verifications provided by Skyquest Ltd. (Supplier) the equipment is declared:

FOR RIG USE ONLY

IN CONFORMANCE WITH ATP, FOR GROUND USE ONLY

IN CONFORMANCE WITH EFA

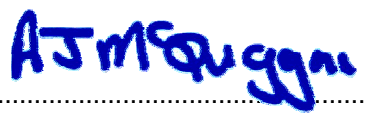
QUALIFIED

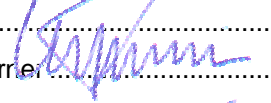
with the following limitations:

The declaration in this document is made under the authority of: Real-Time Vision Ltd. ((Manufacturer) and Skyquest Ltd. (*Supplier*))

Real-Time Vision Ltd. (Manufacturer) and Skyquest Ltd. (Supplier) cannot accept responsibility for equipment used outside the limiting conditions stated above without their agreement.

Real-Time Vision Ltd. (Manufacturer) and Skyquest Ltd. (Supplier) certify that the information contained in this Declaration of Design and Performance is accurate.

DDP approved by: Signed: 
 Real-Time Vision Ltd. For: Anthony McQuiggan
 (Manufacturer) Date: 12th April 2007

DDP approved by: Signed: 
 Skyquest Ltd. For: Geoff Turner
 (Supplier) Date: 12th April 2007