

MUMTi – MANNED-UNMANNED TEAMING (INTERNATIONAL) AIRBORNE DATA LINK SYSTEM

Providing a Complete, Real-Time and Integrated

Powerful and Flexible
ISR Communications
with Proven Reliability

KEY FEATURES

- > Core capability: ROVER® 6i transceiver
- > Receives and distributes full-motion video (FMV)
- > Multi-band reception and Ku transmission
- > Fully integrated with cockpit displays and targeting systems
- > IP-enabled for network-centric operations
- > Modular design

> **Aircraft, its own sensor or imagery that has a digital video recorder (DVR). MUMTi enables h between manned and unmanned aircraft and the tactical edge, improving operations involv MUMTi also provides improved situational aw and streaming FMV to command and control o based on real-time video intelligence.**

SPECIFICATIONS

Physical Characteristics¹

AAG KIT	WIDTH (CM)	HEIGHT (CM)	DEPTH (CM)	WEIGHT (KG)	MAX POWER (W)
ROVER 6i	15.9	9.6	39.8	5.3	49.6
RFE	26.6	13.1	43.0	9.8	350
Ku Tx/Rx Antenna	12.7	27.2	14.0	1.6	N/A
MUMTi DS Processor	11.8	6.8	19.8	1.5	34
Ethernet Switch	12.6	9.4	15.2	0.9	8
Video Splitter	6.3	5.2	11.1	0.7	12.8
Total				19.8 kg	454 W

UR KIT	WIDTH (CM)	HEIGHT (CM)	DEPTH (CM)	WEIGHT (KG)	MAX POWER (W)
ROVER 6i	15.9	9.6	39.8	5.3	49.6
Quad-band Rx Antenna	15.2	14.7	15.2	1.5	1.8
Total				6.8 kg	51 W

MUMTI SYSTEM ARCHITECTURE

UAV Receive (UR) Kit

- > E 6 - a a
- > a - a a a

Air-Air-Ground (AAG) Kit

- > E 6 a
- > a E
- > K -Ba a a
- > Da a (D)
- > E
- >

PERFORMANCE CHARACTERISTICS

Waveforms and Data Rates

- > CDL: 200 K , 10 M , 45 M
- > a a : 1.6, 3.2 a 6.4 M
- > DDL: 1.5 a 4.5 M ()
- > N² (F K): 50 K 5 M
- > L a E 455K: 455 K ()
- > E 466E 466 K
- > BE-CDL B: 512 45 M ; M 1-15, 101-105

RF

- > K -Ba : 15.15 15.35 GH , 14.40 14.83 GH
- > C-Ba : 5.25 5.85 GH , 4.40 4.95 GH
- > -Ba : 2.20 2.50 GH
- > L-Ba : 1.625 1.85 GH

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These item(s)/data have been reviewed in accordance with the International Traffic in Arms Regulations (ITAR), 22 CFR part 120.11, and the Export Administration Regulations (EAR), 15 CFR 734(3)(b)(3), and may be released without export restrictions.

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