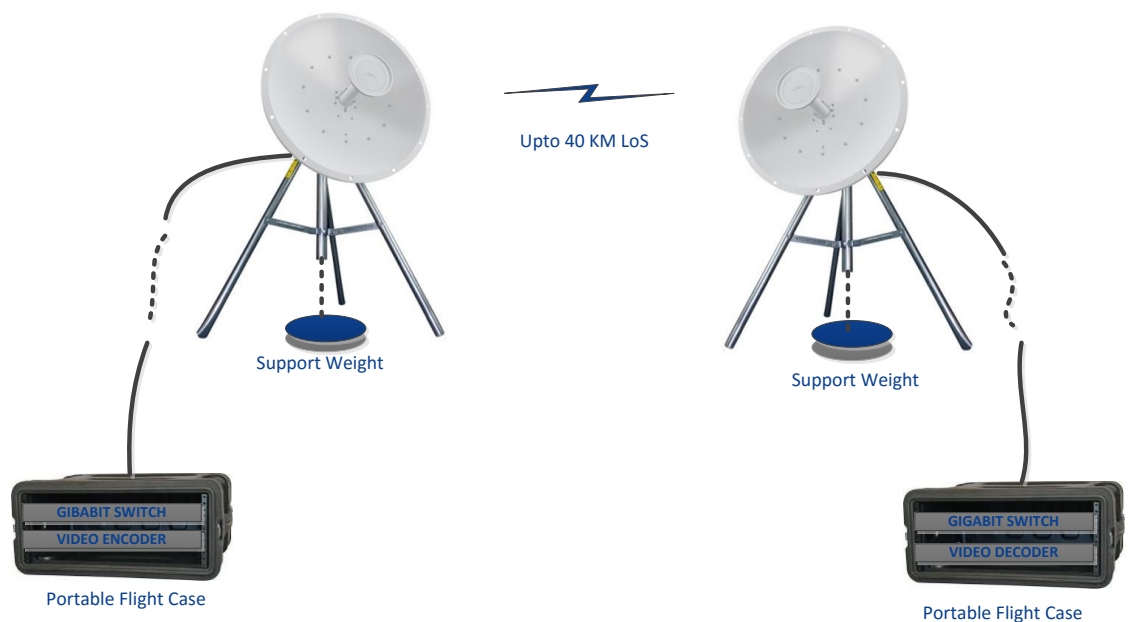


DIGITAL MICROWAVE LINK

Digital Microwave Link (DML) is portable integrated Audio & Video contribution link system for Radio and TV channels.



Our integrated DML provides point-to-point wireless solutions that fit almost every network application. The system feature simple installation and fast rollout, reliable operation, and offer high-speed transmission, scalable future network expandability, and cost-effective operation which, by lowering operation expenditures, will benefit users in the long run.

Encoders and decoders can be programmed for both MPEG-2 and H.264 compression, High and Standard Definition, 4:2:0 and 4:2:2 for high quality audio/video contribution; the end-to-end latency can be 300ms, which makes the system the best for newsgathering and sport events.

Inputs

HD Video

3G-SDI (SMPTE 424) 75Ohm

HD-SDI (SMPTE 292M) 75 Ohm

SD Video

SD-SDI (SMPTE 259M) 75 Ohm with EDH

Composite Video (PAL/NTSC) 75 Ohm

SD-SDI 625 & 525 line standards

Audio

Embedded SDI (up to 4 pairs)

Unbalanced Analog (1 pair)

Dolby Digital AC-3 pass through

Network Interface

2x 100/1000 Base-T RJ-45 ports, auto-negotiate or fixed speed

2x DVB-ASI ports

213 Mbit/s maximum ASI TS bit-rate per port

Network Protocols

UDP/IP (Unicast and Multicast)

RTP/IP (Unicast and multicast)

RTMP (Flash)

SMPTE-2022 FEC (Pro-MPEG COP3), row and column support

HTTP Live Streaming (HLS): Populates an external webserver through FTP or SFTP

Direct HTTP Streaming: encodes directly to an HTTP connection

Automatically generates web pages with a video window for HLS & Direct HTTP modes (VLC plug in required)

Video Encoding

Dual Channel HD Video

MPEG-4 AVC High profile at level 4.2

(HP@L4.2)

MPEG-4 AVC High profile at level 4.2

(HP@L4.0)

CBR& VBR

2Mbps to 30 Mbps (depending on profile)

Dual channel SD Video

MPEG-4 AVC High profile at level 3.0

(MP@L3.0)

CBR& VBR

500 Kbps to 10 Mbps (depending on profile)

Audio Encoding

MPEG-1 Layer II, up to 4 stereo pairs

Dolby®

Digital AC-3 pass-through MPEG-4 AAC-LC

upto 2 pairs Lip sync adjustment

Video Pre- processing

Advanced adaptive spatial filtering closed

Physical & Power

Dimensions:

2RU (WxDxH) 483 x 400 x 89 mm

Stackable 19" rack units

Front to back Airflow

Encoder Card:

6 Watts per channel

Power Supply

Hot Swappable 100-250 VAC 47-63 Hz

Self cooled 450W max

Configuration:

Antenna

Dimension: 1050x1050x421 mm

Weight: 13.5Kg

Frequency: 5.1-5.8 Ghz

Gain: 34dBi

HPOL Beamwidth: 3° (3dB)

VPOL Beamwidth: 3° (6dB)

Front-to-back Ratio: -42dB

Max. VSWR: 1.4:1

Wind Survivability: 125mph

Wind Loading: 400lb @ 125mph

Polarization: Dual Linear

Cross-Pol Isolation: 35dB Min

Tripod

Height:

Minimum: 90 cm

Maximum: 200 cm

Weight: 20 Kgs (with additional support weights)