

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 caption CEA 608B &
CEA-708C WSS/AFD

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)