



CW-F25 Wireless HD Video Transmission System



Designed for on air video contribution, the new CW-F25 wireless HD-SDI transmission system offers superior image quality transmitting H.264 High Profile video at up to 25Mbps. Adaptive variable bit rate prevents sudden disconnection and range is enhanced by the use of beam forming technology operating over 4 x 4MIMO channels. Supported across the link are return video, intercom, tally, RS422 remote and Ethernet I/O giving the remote camera operator the features of a wired link in a license free product.

CW-F25 features:

- **High Quality Video** 3G-SDI /HD SDI over H.264 compression at up to 25Mbps transmission rate
- **Adaptive Variable Bit Rate Control** to provide a robust link at the highest sustainable video quality
- **Beamforming Technology** makes a directional beam between the transmitter and receiver limiting interference from other 5GHz users and providing a strong stable link.
- **DFS (Dynamic Frequency Selection)** provides auto selection from 7 channels indoors and 5 channels outdoors plus two more indoor channels are supported giving the unit 9 channels in total
- **Bidirectional Signal and Data Transmission** supporting return video, intercom, tally and RS422 control data
- **Wireless LAN Bridge** Ethernet I/O at both Tx and Rx making a wireless bridge to support an IP camera feed, remote controller or other data link
- **4 channels** of high quality embedded PCM audio
- **License free operation**, fully certified for use in Europe

Technical Specification

Frequency:

5GHz band IEEE 802.11n

Frequency Bandwidth:

40MHz per channel

Frequency Selection:

4 selectable channels on TX & RX (CH1, CH2, DFS Auto Indoor, DFS Auto Outdoor)

Transmission Method:

H.264 high profile to 25Mbps

Latency

Typically 6 frames/250mS

Transmission Distance:

Typically 1500m (Line of sight)

Video Inputs/Outputs:

TX:HD-SDI IN x 1, HD-SDI OUT x 2
RX:HD-SDI IN x 1, HD-SDI OUT x 2

Video Profiles:

HD: 4:2:2 10-bit
3G: 1080p/60, 1080p/59.94, 1080p/50
HD: 4:2:2 10-bit
1080i/60, 1080i/59.94, 1080i/50,
1080p/30, 1080p/29.97, 1080p/25,
1080p/24, 1080p/23.98, 1080PsF/30,
1080PsF/29.97, 1080PsF/25,
1080PsF/24, 1080PsF/23.98
720p/59.94, 720p/50

Audio Input:

4 channel SDI embedded +
Intercom 4-pole mini jack

Encryption:

WPA2-PSK (AES)

Power Requirement:

7~17V via 4-pin XLR

Power Consumption:

TX / RX: 15W approx.

Dimensions:

Tx 201.5(H) x 154(W) x 44(D) mm approx.
Rx 49(H) x 213(W) x 157(D) mm approx

Weight:

TX: 1150g approx.
RX: 1100g approx.

Operating Temperature:

0~50°C

E&OE

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