



News Release

Announcement for Immediate Release

New IDX CW-F25 delivers cable-free flexibility with unbeatable reliability.

The new CW-F25 Wireless HD Video System from IDX provides the flexibility producers need to get the best shots back to base. The system offers superior image quality transmitting H.264 High Profile video at up to 25Mbps.

To maintain the resilience of the link, the system uses Dynamic Frequency Selection (DFS) to automatically choose the best available WiFi channel. Beamforming Technology is also utilised between the transmitter and receiver, limiting interference from other 5GHz users. In addition, Adaptive Variable Bit Rate prevents sudden 'black screen' disconnection. Altogether, it's a unique combination that means that the CW-F25 delivers greater reliability than any other wireless system using WiFi channels.

The system provides license-free operation and is certified for use in Europe. It releases camera operators from having to use expensive licensed channel or cable systems, providing creative flexibility through a cost-effective solution.

Enhancements and user-friendly features

The new CW-F25 uses worldwide standard 802.11n technology. To mix seamlessly with wired camera systems, 4 x 4MIMO channels are utilized with OFDM/64QAM modulation achieving a maximum data rate of 300Mbps. This supports H.264/25 Mbps high profile video with 4 channels of high quality embedded PCM audio.

To ensure the camera operator feels part of the production team, return video, intercom, tally and RS-422 remote control are supported over the link. Ethernet I/O at both Tx and Rx creates a wireless bridge to support an IP camera feed, remote controller or other data link.

With the benefits of image quality, reliability and ease of use combined together in a cost-effective, cable-free package, IDX is confident that potential users will want to see the CW-F25 in action. OB broadcasters and production companies are invited to visit www.idx-europe.co.uk/CW-F25 for a free demonstration.

Technical Specifications

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: 1160g approx.

RX: 1190g approx.

Operating Temperature

0-50°C

About IDX:

IDX is the world's leading manufacturer and supplier of batteries, chargers, LED on-board lights, wireless HD video transmission, power supplies and mounting accessories to the broadcast, professional video, audio and portable electronic industry. Established in 1989, IDX employs staff across locations in Japan, USA and Europe to serve a worldwide customer base.

One of the company's major philosophies towards battery development is that they should be easy to transport and usable in any location. All IDX batteries are flight friendly and within IATA/UN limits for airline carriage.

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