

HIGH QUALITY, UNCOMPRESSED HD WIRELESS TRANSMISSION

The CW-5HD from IDX is the complete wireless camera system for broadcasters shooting in High Definition.



Using advanced MIMO/OFDM wireless technology, high definition images are delivered uncompressed and encrypted in crystal clear professional quality. As a result, the CW-5HD is ideal for a number of live outside broadcast and studio based applications, transmitting with a latency of less than 1 millisecond.

Features of the CW-5HD system:

- > Uncompressed High Definition image transmission
- > Images transmitted in real-time with latency less than 1 millisecond
- > Uni-cast and multi-cast modes for reception on multiple receivers simultaneously
- > Automatically detects between HD-SDI & SD-SDI video
- > Transmission range of 50m line-of-sight (approx.) or up to 30m through walls (approx.)
- > Wireless transmission via MIMO/OFDM, operating between the 5.1 ~ 5.8GHz band. No special license is required for operation
- > 2-channel embedded audio ensures no signal interference. Complete audio/video synchronisation
- > Supports multiple video profiles and formats
- > AES 256-bit strong encryption for secure transmission
- > Uses integral V-Mount for camera and battery connection. Fully compatible with any of the IDX ENDURA battery range
- > Selection of 4 manual or auto select frequencies, ideal if operating multiple systems
- > Stylish and rugged design, with no visible or external antenna
- > 12W power consumption
- > Conformance to major technical and environmental standards including FCC, CE & RoHS specifications

CW-5HD TX Specifications:

Frequency: 5.18GHz – 5.86GHz
 Tuning Range / Frequency selection: 4 Selectable Channels or Auto Select
 Transmit Power: High Power (CH1): 17dBm (Approx. 50mW on 5862.5MHz)
 High Power (CH2, CH3, CH4): 11.6dBm (Approx. 14.5mW on 5180MHz ~ 5220MHz)
 Low Power (All Channels): 7dBm (Approx 5mW)
 Transmit Antenna: Internal 2dBi gain
 Transmit Method: MIMO
 Modulation: OFDM
 Latency: Less than 1ms
 Video Input: HD-SDI-SMPTE 292M SD-SDI-SMPTE 259M-C
 Supported Video Profiles: HD 1080i/59.94, 1080i/50, 1080p/29.97, 1080p/23.98, 720p/59.94, 720p/50
 SD 525i/59.94, 625i/50
 Audio Input: 2 Channel SDI embedded
 Power Requirement: 10 – 17V DC via battery plate or 4 pin XLR connector
 Power Consumption: 12W approx.
 Dimension (WxDxH): 158mm x 62mm x 188mm
 Weight: 800g approx
 Operating Temperature: 0~40°C

CW-5HD RX Specifications:

Frequency: 5.18GHz – 5.86GHz
 Tuning Range / Frequency selection: 4 Selectable Channels or Auto select
 Receiving Antenna: Internal 2dBi gain
 Receive Method: MIMO
 Modulation: OFDM
 Latency: Less than 1ms
 Video Output: HD-SDI-SMPTE 292M SD-SDI-SMPTE 259M-C
 Supported Video Profiles: HD 1080i/59.94, 1080i/50, 1080p/29.97, 1080p/23.98, 720p/59.94, 720p/50
 SD 525i/59.94, 625i/50
 Audio Output: 2 Channel SDI embedded
 Power Requirement: 10 – 17V DC via battery plate or 4 pin XLR connector
 Power Consumption: 12W approx.
 Dimension (WxDxH): 158mm x 62mm x 188mm
 Weight: 800g approx
 Operating Temperature: 0~40°C

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