



CW-5HD Wireless HD Video Transmission System

WEVI

The CW-5HD transmitter and receiver system delivers uncompressed HD-SDI or SD-SDI video with virtually no latency or artifacts. In outside production or in studio, high definition signals can be wirelessly transmitted from a professional camera to a monitor—producers and film crews can view exactly what the camera is shooting in real time without long cable runs. Crystal clear images are received in either Unicast using 256-bit secured encryption or Multicast mode for reception by multiple receivers simultaneously.

CW-5HD Product Features:

- Multiple video formats including 1080p/23.98PsF.
- Automatically detects HD-SDI or SD-SDI signal processing.
- Two channels of embedded audio for enhanced recording.
- Transmission range of 150 ft. line of sight or up to 100 ft. through walls (distance may vary depending on site conditions).
- No special FCC license is required for operation.
- Uses integrated V-Mount for camera and battery connection; fully compatible with IDX ENDURA series batteries and optional three-stud mount is available.
- Selection of four manual channel frequencies; ideal if operating multiple systems in close proximity.
- No visible external antenna; stylish and rugged design profile.
- Only 12W power consumption; each unit weighs under 2 lbs.
- TX features loop-through; RX has dual simultaneous outputs
- Conforms to major technical & environmental standards including FCC, CE and RoHS specifications.



Technical Specification –TX and RX

Frequency: 5.18 GHz—5.86GHz

Freq. Selection: 4 selectable channels & 1 auto (TX only)

Transmit Power: 49mW maximum (TX only)

TX/RX Antenna: Internal 2dBi gain

Transmit Method: MIMO (multiple in/multiple out)

Modulation: OFDM (Orthogonal Frequency Diversity Multiplexing)

Latency: Less than 1ms

Video Input: HD-SDI (SMPTE 292M); SD-SDI (SMPTE 259M-C)

Video Formats: HD-1080i/59.94, 1080i/50, 1080p/23.98PsF, 1080p/29.97, 1080p/23.98 720p/59.94, 720p/50
SD-525i/59.94, 625i/50

TX Audio Out/RX Audio In: Ch 1 & 2 SDI embedded

Power Requirement: 11-17V DC via battery plate (V-Mount or other) or 12V DC via 4-pin XLR connector

Power Consumption: 12W approximate

Dimensions: 6.22 (W) x 2.83 (D) x 7.40 (H) inches

Weight: 1.76 lbs. approx.

Note: Optional configurations are available for A/B 3-stud mount and 1-cm spacer installation on any or all sides of the transmitter and receiver modules. Model number for systems that have 3-stud mounting on all sides of TX and RX is CW-5HD-AB.

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