



CW-7 Wireless HD Video Transmission System



Technical Specification

Frequency:

5GHz band

Frequency Bandwidth:

40MHz per channel

Frequency Selection:

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

Transmission Method:

MIMO / OFDM / JSCC

Latency

Less than 1 millisecond

Transmission Distance:

Up to 50m (Line of sight)

Video Inputs/Outputs:

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

Video Profiles:

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

SD: 4:2:2: 10-bit
525i/59.94, 625i/50

Audio Input:

2 channel SDI embedded

Encryption:

AES 128-bit (Uni-cast mode only)

Power Requirement:

11~17V via V-Mount battery input
11~17V via external 4-pin XLR

Power Consumption:

TX / RX: 12W approx.

Dimensions:

159(W) x 190(H) x 72(D) mm approx.

Weight:

TX: 850g approx.
RX: 800g approx.

Operating Temperature:

0~40°C (no dew)

E&OE

The new and improved CW-7 wireless HD-SDI/SD-SDI transmission system now offers superior image quality, even more compatible video formats and up to 50m range with zero delay. The CW-7 has increased transmission power on all 4 channels and now features DFS (Dynamic Frequency Selection) for use in a wider range of indoor and outdoor applications, detecting official radio frequencies used within the 5GHz band and automatically switching to a safer and less congested channel.

CW-7 features:

- **Lightweight ergonomic form factor** with low power consumption
- **New DFS (Dynamic Frequency Selection)** providing auto selection of 5 frequencies for outdoor use and 7 frequencies for indoor use
- **Increased frequency bandwidth** for improved HD picture quality
- **New video formats** supported including 24p, 25p and PsF
- **Wireless technology** of video and embedded audio using MIMO/OFDM technology
- **Automatic detection** of video profile and formats
- **4 selectable channels** on both TX & RX units
- **HD-SDI/SD-SDI** input and outputs
- **1 millisecond latency**, no discernible video delay
- **License free operation**, fully certified for use in Europe
- **Integral V-Mount connections** for camera and battery attachment
- **Industry standard 3/8"** screw thread in base of TX & RX to extend mounting options
- **Supported** by an extended 2 year warranty

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