



CW-3 3G/HD SDI Compact Wireless HD Video Transmission System



Technical Specification

Frequency:

5.270GHz to 5.670GHz

Frequency Bandwidth:

40MHz per channel

Frequency Selection:

Automatic / DFS

Transmission Method:

WHDI (MIMO / OFDM)

Latency

2 millisecond, no discernable delay

Transmission Distance:

Up to 100m (line of sight) dependant on location and environment

Video/Audio:

TX: BNC

RX: BNC

Video Profiles:

3G-SDI: YCbCr 4:2:2 10 bit
1080p 60/59.94/50Hz

HD-SDI YCbCr 4:2:2 10 bit
1080i 60/59.94/50Hz
1080p 30/29.97/25/24/23.98Hz
720p 59.94/50Hz

Power Requirement:

7-17V DC

TX: Captive DC plug to D tap

RX: Captive DC plug to D tap &

Supplied AC/DC power supply

Power Consumption:

TX: 8W max.

RX: 10W max.

Dimensions:

TX: 109.2(W) x 25.4(H) x 68.8(D) mm

Antenna: 108(W) x 10(H) x 10(D)mm

RX: 153.5(W) x 25.0(H) x 73.5(D) mm

Weight:

TX: 150g

RX: 165g

The CW-3 is a compact and affordable wireless Transmitter and Receiver system, delivering 3G-SDI and HD SDI video and embedded audio up to a distance of approximately 100m in line of sight conditions. Using a captive D.C. input connector, power can be taken from an IDX DUO D tap connector or any suitable DC 7 to 17 Volt source. The CW-3 can be used on a variety of professional camera rigs and set-ups. The CW-3 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-3 features:

- **Lightweight and compact** TX and RX units
- **External Antenna for TX** to maximise range
- **New DFS (Dynamic Frequency Selection)** providing auto selection of frequencies
- **Hot-shoe mounting option** for TX
- **Industry standard 1/4"** screw thread in both Tx and Rx to extend mounting options
- **BNC type connector for video** input and output
- **Automatic detection of video profile and formats**
- **2 millisecond latency** no discernible video delay
- **GPI output from tx** for wired tally indicator of link status

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