

**DWR-S01D**

**Dual Digital Wireless Microphone Receiver**



The DWR-S01D offers high-quality full-digital operation and enhanced system performance - a perfect match for high-quality ENG/EFP applications.

The system, which consists of the DWT-B01 belt-pack transmitter and the DWR-S01D dual portable tuner, delivers excellent-quality wireless transmission of 24-bit/48-kHz digital audio. Thanks to the Sony original codec, it realises low-latency, secure, and reliable operation. In addition, the system allows for an increase of up to 60% in the number of simultaneous multi-channel operations\* compared to conventional analogue systems, which gives users enhanced system flexibility.

With its excellent audio quality and operational flexibility, the Sony digital wireless microphone system opens up a whole new world of audio applications.

NOTE: This model is available in multiple versions to support the widest possible range of operating frequencies. Please refer to product specifications for more information.

## Features

### Dual channel slot-in receiver for camcorders

Two tuners in one body that improves the space and weight compared with other analogue systems. Two channel slot-in receiver is available in combination with XDCAM HD 422 and newer camcorders. The DWR-S01D can also be easily mounted onto HDCAM™/XDCAM®/Digital Betacam®/MPEG IMX® camcorders by use of the DWA-01D adaptor

### Meta-data transport

Transport of Meta-data from transmitter and receiver to Camcorder viewfinder to monitor RF condition, AF condition, Delay management etc.

### Supports analogue or AES3 digital audio output

DWR-S01D supports both digital audio interface and 2ch unbalanced analogue audio interface.

### Weatherproof structure Weatherproof structure

Mounting the DWR-S01D into a camera or with the optional DWA-01D wireless adapter and two supplied antennas, a weatherproof structure is obtained.

### Versatile display using organic LED display

A variety of information is obtained at a glance from the new OLED display panel, such as the reception channel, Audio and RF signal status, user name, user group, Lock etc.

### Wireless remote control

A duplex wireless remote control system is supported. The DWR-S01D is able to control the transmitter remotely, settings that are changed on the receiver are automatically sent and changed on the paired transmitter.

### Wide operating frequency ranges

The DWR-S01D can operate over a 24MHz frequency band. (3 x TV Channels).

## Benefits

### Superb Quality Wireless Transmission & Reception

The digital wireless microphone system transmits & receives high-quality 24-bit/48-kHz digital audio in a specific frequency bandwidth that meets the Wireless Communication Regulations of each country. Utilising the Sony original codec based on Sony's years of experience in engineering audio products, the system delivers a wide dynamic range of more than 106 dB, a wide frequency response of 20 Hz to 20 kHz, and an excellent transient response.

### Stable and Secure Transmission & Reception

Incorporating the newly developed digital modulator, the digital wireless microphone system allows highly stable wireless transmission that is extremely tolerant to unwanted interference.

In addition, the system transmits & receives digitally modulated and encrypted data to minimize the risk of

interception, providing highly secure transmission & reception.

### Simultaneous Multi-channel Operation

The digital wireless microphone system allows for large-scale multi-channel operations. Thanks to the newly developed digital modulator, the system

realises an intermodulation-free, equally spaced channel allocation. The digital wireless transmission technology used in this system enables a significant increase in the number of simultaneous operations in comparison with current analogue wireless systems. For example, up to 16 channels of simultaneous operation is possible in an 8-MHz operating band.

## Technical Specifications

Tuner section	
Type of reception	Space diversity
Circuit system	Dual conversion super heterodyne
Receiving frequency range (depending on model)	DWR-S01D/38 606MHz - 630MHz (covering TV Channels 38-40) DWR-S01D/42 638MHz - 662MHz (covering TV Channels 42-44) DWR-S01D/51 710MHz - 734MHz (covering TV Channels 51-54) DWR-S01D/62 798MHz - 822MHz (covering TV Channels 62-64) DWR-S01D/67 838MHz - 862MHz (covering TV Channels 67-69)
Channel step	25 kHz

Local oscillators	PLL synthesizer
RF input terminal	BNC-R, 50 Ω
Sensitivity	20 dBμ or less (at bit error rate=1 x 10 <sup>-5</sup> )
Audio delay	2.1 ms: analog output 1.9 ms: digital output

### Audio section

Audio output connector	D-sub 15-pin (x1)
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### General

Dimensions (W x H x D)	Approx. 88 x 119 x 31.3 mm (3 1/2 x 4 3/4 x 1 1/4 inches) excluding projection
Mass	Approx. 280 g (9 oz)

## Accessories

### Receivers



#### DWA-01D

Digital Wireless Receiver Adaptor

## Compatible Products

### XDCAM



#### PDW-F800

XDCAM HD422 Camcorder



#### PMW-500

XDCAM HD422 Camcorder recording HD material at up to 50Mb/s onto Solid State media



#### PDW-700

XDCAM HD422 Camcorder recording HD material at up to 50Mb/s onto Dual Layer Professional Disc



#### PMW-320K

A Shoulder Mount Full-HD & SD Camcorder with SxS PRO Solid State Recording, 1/2-inch sensors and 16x zoom HD lens

**PMW-320L**

A Shoulder Mount Full-HD & SD Camcorder with SxS PRO Solid State Recording, 1/2-inch sensors

**PDW-530P**

The top of the range XDCAM SD camcorder PDW-530P features MPEG IMX/DVCAM-switchable recording and a family of new revolutionary workflow related functionalities.

**PMW-350L**

A Shoulder Mount Full-HD & SD\* Camcorder with SxS PRO Solid State Recording, 2/3-inch sensors

**PDW-510P**

The XDCAM camcorder PDW-510P provides DVCAM recording and a family of new revolutionary workflow related functionalities.

**PMW-350K**

A Shoulder Mount Full-HD & SD\* Camcorder with SxS PRO Solid State Recording, 2/3-inch sensors and 16x zoom HD lens

**HDCAM****HDW-650P**

HD camcorder, offering 2.2 million pixels per colour, HDCAM recording and switchable between 50i, 59.94i and 25P scanning.

**XDCAM EX Camcorders****PMW-320K**

A Shoulder Mount Full-HD & SD Camcorder with SxS PRO Solid State Recording, 1/2-inch sensors and 16x zoom HD lens

**PMW-320L**

A Shoulder Mount Full-HD & SD Camcorder with SxS PRO Solid State Recording, 1/2-inch sensors