



## ***AWV001 Video Sender with IR Extender***

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The AWV001 video sender sports a new industrial design with a hidden omnidirectional antenna. It consists of one transmitter with a RCA input and one or multiple receivers with RCA output. This device transmits vivid video and hi-fi stereo sound from a VCR, TV set, LD, DVD, VCD, Satellite Receiver or cable set top box to any TV or monitor. It can also be used in conjunction with a camcorder or CCD camera and turns into a wireless security monitoring system. As to the transmission capability, the signal can go up to 400 feet clear line-of-sight and even penetrate through walls. With the built-in IR remote extender, it allows the user to remotely control the audio/video sources in the other rooms. In addition, four user selectable channels allow multiple transmitters to multiple receivers operation in the same area. All these advanced features will make your home life amazingly convenient and joyful.

### **Features**

2.4 GHz wireless transmitter and receiver with 4 selectable channels.

Transmitting and receiving of crisp video and hi-fi stereo even through walls.

Long transmission range up to 400 feet clear line-of-sight.

NTSC/PAL video format available.

Built-in IR remote extender for extending control range of IR remotes up to 100 feet even through walls.

### **Applications**

Simultaneous viewing of video programs on a 2nd TV/monitor without wires.

Wireless transmission of hi-fi stereo to any active speaker.

Remotes monitoring of live video from a camcorder or CCD camera.

Local area broadcasting of audio/video programs for multiple viewers even in different

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## **General SPEC:**

Frequency Range	2400 ~ 2483MHz
Channel Selection	PLL Synthesizer 4CH
Video/Audio Mod/Demod. Type.	FM-FM
Antenna Type.	Omni-directional Dipole
Video Polarity	Negative
Supply Voltage	DC +9V
DC IN Jack	4.75mm
Power On Indicator	LED, RED
Channel Selector	Slide Switch
Built-In IR Remote Extender	Yes
Operating Frequency	433.92MHz $\pm$ 75kHz
IR Extender Mod./Demod. Type.	ASK

## **Transmitter SPEC:**

Supply Current	150mA $\pm$ 20mA
Input Port	RCA IN
Output Power	10dBm $\pm$ 1dB
Video input	1V <sub>P-P</sub> @ 75 $\Omega$
Audio input	3V <sub>P-P</sub> @ 10k $\Omega$

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Audio Subcarrier Power Level	20~25 dBc
<b>IR Extender Receiver</b>	
Receiving Sensitivity	-90dBm, min
IR Carrier Frequency	36KHz
IR LED Operation Range	3 Meters
IR Extender Half Angle	± 45 Horizontal
External IR LED Port	3.5mm Mono Phone Jack

### Receiver SPEC:

Supply Current	230mA ± 20mA
Output Port	RCA OUT
Input Sensitivity	-90dBm, Typ. ( @ Video S/N Ratio 19dB)
Video Output	1V <sub>P-P</sub> ± 0.3V
Video S/N Ratio	40dB, min
Audio Output	1.1V <sub>rms</sub> ± 0.2V
Audio THD	2 % , max.
Audio S/N Ratio	50dB, min.
<b>IR Extender Transmitter</b>	
RF Output Power	10dBm ± 2dB
IR Receiver module carrier freq.	36KHz
IR Sensor Operation Range	5 Meters, min

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IR Sensor Half Angle	± 45 Horizontal
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