

# AWV696 5.8GHz AV Sender

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Rev. : 0



## Features

- 5.8GHz wireless transmitter and receiver with 7selectable channels.
- Transmitting and receiving of crisp video and Hi-Fi stereo even through walls.
- Long transmission range up to 300 feet clear line-of-sight.
- NTSC/PAL video format compatible.
- Built-in wideband IR remote extender for extending control range of IR remotes up to 300 feet even through walls.
- No more annoying interference problems of 2.4GHz products.
- Compact size design, 12 x 6.5 x 3 cm<sup>3</sup>

## Description

This 5.8GHz video sender adopts a new industrial design with a high performance patch array antenna. It consists of one transmitter and one or multiple receivers. The input and output AV cables can be optionally RCA or SCART connector. This device transmits vivid video and Hi-Fi stereo sound from a VCR、TV set、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 300 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, seven user selectable channels allow multiple transmitters to multiple receivers operation in the same area. And most importantly, the 5.8GHz frequency band is much more clear than the 2.4GHz one, therefore, no more annoying interference problem will bother you any more. All these advanced features will make your home life amazingly convenient and joyful.

## 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 rooms



## Accessory

- |                      |    |                 |    |
|----------------------|----|-----------------|----|
| • DC adaptor*        | x2 | • User's manual | x1 |
| • RCA or SCART cable | x2 | • IR mouse      | x1 |

\* Adaptors compliance with EUP and MEPS available upon request

\*\*All Specification are subject to change without notice.

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**General SPEC:**

Frequency Range	5725 ~ 5875MHz
Channel Selection	PLL Synthesizer 7CH
Video/Audio Mod/Demod. Type.	FM-FM
Video Polarity	Negative
Supply Voltage	DC +9V
DC IN Jack	3.5mm
Power On LED Indicator	Red
Channel Selector	2 Slide switches
<b>IR Remote Extender</b>	Built-In
Operating Frequency	433.92MHz
Antenna Type.	Patch Antenna
Mod./ Demod. Type.	ASK

**Transmitter SPEC:**

Supply Current	140mA $\pm$ 10mA(CE,FCC) / 340mA $\pm$ 10mA(High power)
Input Port	3.5mm AV Phone Jack
Output Power	13dBm $\pm$ 1dB ( CE ) / 0dBm $\pm$ 1dB ( FCC ) 20dBm $\pm$ 2dB (High power)
<b>IR Extender Receiver</b>	
Receiving Sensitivity	-95dBm,min
IR Carrier Frequency	32 ~ 57KHz
IR LED Operation Range	4~5 Meters
External IR LED Port	2.5mm Mono Phone Jack

**Receiver SPEC:**

Supply Current	230mA $\pm$ 20mA
Output Port	3.5mm AV Phone Jack
Input Sensitivity	-85dBm, Typ. ( @ Video S/N Ratio $\geq$ 19dB)
Video Output	1V <sub>P-P</sub> , typ. ( $\pm$ 0.2V)
Video Frequency Response (+/-5 dB)	50Hz~5.5MHz
Video S/N Ratio (100KHz, 1VP-P Sine Wave)	40dB,min
Audio Output Signal Level (1KHz Sine Wave)	2V <sub>P-P</sub> , typ. ( $\pm$ 0.3Volt)
Audio Output Frequency Range ( $\pm$ 6dB)	50Hz ~ 20KHz
Audio S/N Ratio (1KHz @ 2V <sub>P-P</sub> )	50dB, typ. ( $\pm$ 3dB)
<b>IR Extender Transmitter</b>	
RF Output Power	8dBm $\pm$ 2dB (CE) ; 0dBm $\pm$ 2dB (FCC)
IR Receiver module carrier freq.	32 ~ 57KHz
IR Sensor Operation Range	7.5 Meters, min
IR Sensor Half Angle	$\pm$ 45° Horizontal

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