

FineVideo WH-HD01

50m Wireless HD Video Transmission Solution



Introduction

This Wireless HD Video Solution enables wireless transmission of video/audio from any HDMI video source such as PC/HDTV to display devices includes HDTV/HD Monitor over the 5GHz band, with very low latency.

It does not require any special configuration of software driver installation-simply connect the transmitter to the HDMI output of the video source and the receiver to the HDMI input of the Panel/TV/Monitor. Its Plug & Play operation makes it the ultimate solution for the most demanding indoor/outdoor professional environments.

This Wireless HD Video Transmission Solution is widely applicable to family entertainments, office presentation, lecture, education, medical treatment, party, conference etc.

Features

1. Support HD devices with HDMI input/output, include Blu-ray player, DVD player, PC, laptop, HDTV etc.
2. 5GHz Wireless HD Video Transmission
3. Supports Multi resolution up to 1080p
4. HDMI Input / Output, support multi devices with HDMI
5. Low latency <100ms
6. Effective Range: 50m (Line of sight)
7. WPS Transmitter – Receiver Pairing
8. Plug & Play – full hardware design, no software is required
9. AES128/256 Encryption

Specification

Item Transmitter Receiver

Frequency 5GHz

RF Communication 2x2 MIMO

Modulation Mode OFDM

Bandwidth 20MHz/40MHz

Transmission Range 50m

Frequency Stability ± 20 PPM

Wireless Standard 802.11n

Transmission Power 802.11n (HT20@MCS7): 12dBm

EVM 802.11n (HT20@MCS7): 12dBm \leq -26dBm

Receiving Sensitivity 802.11n (HT20@MCS7): -70dBm

802.11n (HT40@MCS7): -65dBm

System Latency \leq 100ms

Antenna 2x2 4dBi Built-in Antenna

Encryption AES128/256

Network Mode AP Station

Standard Protocol HDMI 1.3, HDMI 1.4 3D, HDCP 2.0

Power Supply DC 5V/2A

Power Consumption 5 Watts 3 Watts

Dimensions 101x59x21mm

Video Formats HD: 1080p, 1080i, 720p, 576p, 480p PC: VGA

(640x480), SVGA (800x600), XGA (1024x768)

Video Compress Formats H.264

Audio Formats PCM, AAC, Dolby Digital 2.0

Audio Compress Formats AAC

Operating Temperature

Range

0 to 40°C

Storage Temperature

Range

-20 to 80°C

Operating Humidity Range 15-85%RH

Panel Description

1. Pairing:

For Devices pairing, use a pinpoint to press for about 5 seconds then release, the devices will be pairing.

2. LED Indicators:

Red for Networking; Blue for Video

4. IR Out Socket:

Connect with IR extension connector to transmit IR signal

5. USB:

USB Socket for upgrading

6. DC Power:

Power socket for DC adapter

7. HDMI In:

Connect to HD Video Source device such as DSLR/DV, Blu-ray Player, Laptop, HDTV etc.

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Power socket for DC adapter

7. HDMI Output:

Connect to HD display device such as HDTV, Projector, LED Screen etc.

Indicators

LED Indicator Display Device Status

Network Indicator (RED) Indicator ON Device Power On

Twinkle Slowly Connecting...

Video Indicator (BLUE) Indicator ON Video Transmission On

Twinkle Slowly No Video Signal Input

Both Video & Networking Twinkle Quickly Pairing...

Twinkle Alternately

Quickly

Channel Switching...

Connection and Operating

Connection Diagram

Packing Contents

1. 1pcs Wireless HD Transmitter
2. 1pcs Wireless HD Receiver
3. 2pcs Adaptor with USB Cable
4. 2pcs IR Extension Connector