
Wireless HDMI Extender

EH-WD9908GS

Product Specification



Revision	History	Date
V1.0	Initial Release	2024/3/13

Introduction

The EH-WD9908GS Wireless HDMI Transmitter and Receiver utilizes a professional H.265-based hardware codec engine and a proprietary vPlay seamless communication protocol. This combination ensures an outstanding wireless streaming experience that rivals wired HDMI connections. With support for 4K30 high resolution and an end-to-end latency of 100ms, it stands out as one of the industry's most stable and efficient Wi-Fi-based HD transmission solutions. This system is ideally suited for home entertainment and video distribution applications, providing users with unparalleled convenience and performance.

Key Features:

Features	Description
UltraHD Resolution	Support 4K30 high resolution
Low latency	As low as 100ms latency
H.265 Standard	High Performance H.265 Hardware encoder and decode engine
Super smooth	Private vPlay Seamless Technology ensures super smooth video playback.
Auto Pairing & Auto Connection	Automatically establish connection with the most favorable Wi-Fi channel accessible to guaranteeing exceptional wireless performance
Wireless Standard	Built in high performance 802.11ac Wi-Fi module
Long Coverage	Transmission distance up to 50 meters in the clear line of sight
High Stability	Proprietary technology to ensure stable streaming in a crowded WiFi environment
High Security	AES 128-bit encryption mechanism

Transmitter Specification:

HDMI in Version	HDMI 1.4
HDCP Version	HDCP 1.4
Input Resolution	4K30, 1080p/60fps,1080p/30fps,1080p/24fps 1080i/60fps, 1080i/50fps; 720p/60fps, 720p30fps; 480p/60fps
Transmission Resolution	Maximum 4K30
Audio Format	PCM
Audio Channel	2 channels
Latency	As low as 100ms latency (at 60fps)
Security	AES 128-bit encryption mechanism
Wireless Standard	Built in high performance 802.11ac Wi-Fi module
Throughput	Up to 433Mbps
Frequency	5150-5350MHz ; 5470-5725MHz; 5725-5850MHz ; 5850-5925MHz The specific frequency bands utilized are upon the legal regulations by each country
Bandwidth	Support 20MHz, 40MHz, 80Mhz
WiFi Power	About 13dBm
Auto Pairing & Auto Connection	Automatically establish connection with the most favorable Wi-Fi channel accessible to guaranteeing exceptional wireless performance
High Sensitive Antennas	High sensitive antennas provide stable wireless connections and optimal coverage
Distance	Up to 30 meters in the clear line of sight
I/O Ports	HDMI in 1.4 x 1 Type c x 1
LED	x 1
Power Supply	5V1A
Power Consumption	3.5w

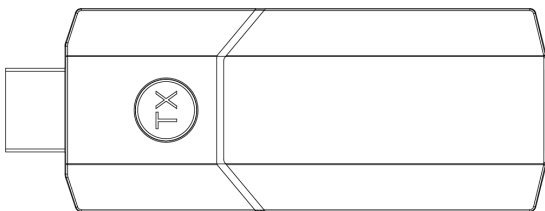
Receiver Specification:

HDMI out Version	HDMI 2.0
HDCP Version	HDCP 2.2
Output Resolution	Maximum 2160p@60fps
Transmission Resolution	Maximum 4K30
Audio Format	PCM
Audio Channel	2 channels
Latency	As low as 100ms latency (at 60fps)
Security	AES 128-bit encryption mechanism
Wireless Standard	Built in high performance 802.11ac Wi-Fi module
Throughput	Up to 433Mbps
Frequency	5150-5350MHz ; 5470-5725MHz; 5725-5850MHz ; 5850-5925MHz The specific frequency bands utilized are upon the legal regulations by each country
Bandwidth	Support 20MHz, 40MHz, 80Mhz
WiFi PA	About 13dBm
Auto Pairing & Auto Connection	Automatically establish connection with the most favorable Wi-Fi channel accessible to guaranteeing exceptional wireless performance
High Sensitive Antennas	High sensitive antennas provide stable wireless connections and optimal coverage
Distance	Up to 50 meters in the clear line of sight
I/O Ports	HDMI out 2.0 x 1 Type c x 1
LED	x 1
Power Supply	5V1A
Power Consumption	5w

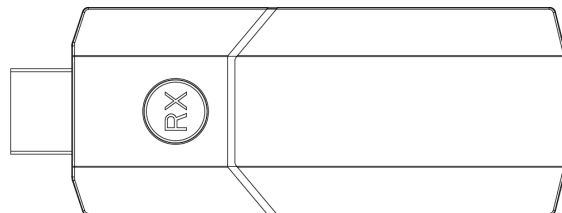
Package and storage information:

Dimension	81*34*12mm
Weight	
Package Included:	Transmitter x 1 / Receiver x 1 Type c cable x 2 HDMI extender cable x 1
Temperature Range	
Operating:	0°C to +40°C (+32°F to +104°F)
Storage:	-10°C to +60°C (+14°F to +140°F)
Humidity	
Operating:	10% to 80% relative humidity
Storage:	5% to 90% relative humidity

Product Overview



Transmitter



Receiver