

HomePlug AV (200Mbps) > HD Video System with 1 Transmitter and 1 Receiver

The GigaFast HomePlug AV HD Video System operates on the HomePlug Powerline AV Specification standard, providing up to 200Mbps bandwidth over home AC wiring. This HD Video System lets users stream HDTV contents to everywhere at home without new wires. It also lets users stream HD video camera to remote side for monitoring or recording. This HD Video System consists of 1 Transmitter and 1 Receiver, delivering HD video and audio from the users' AV equipment, such as Blu-ray Disc™ players or video game consoles, to compatible HDTV display.

The HD Video Receiver is easily connected to HDTV via HDMI™ and eliminates the hassles of in-wall wiring while AV equipment is connected directly to the Transmitter. PE885-TX plus RX supports 1 HDMI™ source device that is able to be controlled with the included remote controller. For security, the HomePlug devices are equipped with 128-bit AES encryption. The private home power grid plus encryption makes HomePlug significantly more secure than competing technologies.



Features

- Supports up to 1920 x 1080 @ p60
- H.264 compression technology
- Up to 200Mbps PHY data rate on power line
- 10.1 ms 1080p60 encode/decode latency
- Intra-refresh
- Back channel to support remote IR control
- Supports HDMI v 1.3
- Variable GOP and Slice sizes

Specifications

receiver and transmitter	video resolutions	1080p 24_3dfp 1080p 24/50/60 1080i 50/60 1600x1200p60 1280x1024p60 1024x768p60 800x600p60 640x480p60 Any 3d top/bottom or side-by-side that is Equivalent to one of the above 720p60_3dfp
	audio	resolutions: 24 bit sampling rate: 192/96/48/44.1/32/16 KHz
	input/output	AC power connection: x1 each Ethernet Port: x3 each IR blaster: x1 on TX IR Receiver: x1 on RX HDMI™ connection input(s): x1 HDMI™ connection output(s): x1
system	video compression	H.264 level
	audio compression	default MPEG-1 layer 2, optional AAC and AC-3
	HDMI	version 1.3
	HDCP	2.0 version
	transmission standard	HomePlug AV
	transmission distance	300 meters
	Others	In-8 loop / low-delay filtering Error Resiliency and Concealment Forced Intra-frame Intra-refresh Variable GOP size Variable slice size Skip-frame Skip-marco block
	Latency	10.1ms 1080p60 encode/decode latency
speed	HomePlug Throughput	200Mbps (500Mbps Optional)
power	power supply module	input: 100 to 240V AC
system power consumption	both PE885-TX & PE885-RX	12W max
environment	temperature	operating: 10 to 55°C storage: -20 to 70°C

Application

