

# SG-HEK-T/R

## HDMI over IP Extender Kit



### Key Features

- HDMI 1.3 Version
- Supports up to 1920x1080@60Hz resolutions
- Visually lossless video (1 frame latency)
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Transmission up to 100m over Cat5e/6/7
- Transmission up to 120m between one (1) TX and one (1) RX when no LAN switch is used in a point-to-point scenario
- Support Broadcasting and Multicasting
- Highly flexible that Point-to-Point, Point-to-Many or Many-to-Many Topologies
- Supports RS232 and IR transmission for remote control
- Supports IEEE 802.3af

### Descriptions

The SG-HEK-T (transmitter) and SG-HEK-R (receiver) also support PoE (PD) if used with a PoE switch. This kit comes with one transmitter and one receiver. If you requires the IR Emitter and IR Sensor, may be purchased separately for IR based remote control applications. It support up to 100 transmitters and ,and over 200 receivers from each transmitter.

### Specifications

INPUT:	1 HDMI (19 pin) connector
OUTPUT:	1 LAN connector on an RJ45 connector (100/1000 Mbps)
PORTS:	Ethernet, DB9-F RS-232
MAX. RESOLUTION:	1080p
STANDARDS COMPLIANCE:	HDMI
POWER SOURCE:	5V DC/1A or POE (802.3af)
OPERATING TEMPERATURE:	0° to +50°C
STORAGE TEMPERATURE:	-20° to +85°C
HUMIDITY:	0% to 95%, RHL non-condensing
INCLUDED ACCESSORIES:	1 external power supply

### Typical Application Schematic

