



KW-14

Expandable Wireless HD Transmitter & Receiver



The KW-14T and KW-14R are a high-definition, wireless, HDMI transmitter/receiver pair for indoor use. Up to four KW-14R receivers can receive from one KW-14T transmitter and up to three KW-14T transmitters can be paired with one KW-14R receiver. The KW-14T and KW-14R pair comes pre-associated.

FEATURES

- **Max. Data Rate** - 6.75Gbps (2.25Gbps per graphic channel), Deep Color up to 12-bit.
- **Secure Link** - Uses AES-128 bit encryption.
- **Connection Capacity** - Up to four receivers can receive from one transmitter simultaneously; up to three transmitters associated with one receiver at any given time.
- **Transmission Range** - Up to 30m (100ft) including through walls and furniture.
- **Automatic Frequency Selection** - Selects the most suitable frequencies to prevent RF interference.
- **Auto EDID Adjustment** - To allow multi-screen support.
- **IR Remote Control** - Enables the OSD menu to be displayed on the output display.
- **OSD (On Screen Display)** - For simplified setup and configuration.
- **HDCP Compliant** - HDCP sources are supported only when all connected displays support HDCP.
- **Zero Latency.**
- **Automatic Sleep Mode** - After three minutes when no input or link is detected.
- **CEC Support.**

TECHNICAL SPECIFICATIONS

INPUT:	1 HDMI connector (KW-14T), internal antenna (KW-14R).
OUTPUT:	1 IR on a 3.5mm mini jack, internal antenna (KW-14T), 1 HDMI connector (KW-14R).
VIDEO RESOLUTION:	Up to 1080p @60Hz; 8, 10, or 12-bit color depth and VESA up to 1920 x 1080 @60Hz.
FORMATS:	RGB and YCbCr digital video.
MAXIMUM DATA RATE:	6.75Gbps (2.25Gbps per channel).
MAXIMUM PIXEL CLOCK:	148.5MHz.
AUDIO FORMATS:	PCM, Dolby Digital 2/0, Dolby Digital 2/0 Surround, Dolby Digital 5.1, Dolby Digital Surround EX, DTS 2-channel, DTS Digital Surround 5.1, DTS 96/24.
AUDIO RATE:	Digital audio from the HDMI input up to 6Mbps.
RF COMMUNICATION FREQUENCY:	5.19 to 5.795GHz (In Japan operation is limited to the lower bands 5.15 to 5.25GHz, in Israel operation is limited to 5.15 to 5.35GHz).
TRANSMISSION POWER:	<18dBm conducted (KW-14T), <12dBm per channel conducted (KW-14R).
RECEIVING SENSITIVITY:	-75dBm (KW-14T), -65dBm (KW-14R).
SYSTEM LATENCY:	<1ms.
STANDARDS:	HDMI with Deep Color, x.v.Color™, 3D, CEC; HDCP 2.0—works with sources that support HDCP repeater mode, DVI 1.0.
RF COMMUNICATION FREQUENCY:	5.19 to 5.795GHz (In Japan and Israel operation is limited to the lower bands; 5.15 to 5.25GHz).
UNOBSTRUCTED TRANSMISSION RANGE:	30m (100ft) (KW-14T), 30m (100ft) (KW-14R).
POWER CONSUMPTION:	5V DC 1A (KW-14T), 5V DC 1.2A (KW-14R).
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
COOLING:	Convection, vented.
ENCLOSURE TYPE:	Plastic.
DIMENSIONS:	8.0cm x 10.2cm x 3.6cm (3.15" x 4.02" x 1.42") W, D, H (KW-14T), 9.5cm x 9.5cm x 3.4cm (3.74" x 3.747" x 1.34") W, D, H (KW-14R).
WEIGHT:	0.1 kg (0.22lbs) approx. each.
SHIPPING WEIGHT:	0.45kg (1.0lbs) approx.
ENVIRONMENTAL REGULATORY COMPLIANCE:	Complies with appropriate requirements of RoHS and WEEE.
VIBRATION:	ISTA 1A in carton (International Safe Transit Association).
COMPLIANCE STANDARDS:	CE, c-UL, UL.
EMISSION STANDARDS:	CE, C-tick, FCC Class B, ICES, VCCI, KC.
INCLUDED ACCESSORIES:	Power supply 5V, 2 HDMI cables 0.9m (2.95ft) PN 2518-0101003, 1 IR Emitter cable PN 3300-500135.