



WP-20

Active Wall Plate – 4K UHD HDMI & Computer Graphics with Ethernet, Bidirectional RS-232 & Stereo Audio over HDBaseT Transmitter



WP-20 is a 4K UHD, HDBaseT active wall plate auto switcher for HDMI, VGA and analog audio signals that supports resolutions up to 4K@60Hz (4:2:0) UHD. The device has EDID management, various control options and audio embedding. The unit is a fully-featured auto-switcher with the convenience and simplicity of a wall plate. WP-20 is easy to configure, can be powered remotely over Ethernet (PoE) and is designed for any size room.

FEATURES

- Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel).
- Max. Resolution - Up to 4K@60Hz (4:2:0) UHD and WUXGA.
- HDTV Compatible.
- HDCP Compliant - Works with sources that support HDCP repeater mode.
- HDMI Support - Deep Color, x.v.Color™ and 3D.
- Automatic Live Input Detection - Based on video clock presence.
- Automatic Input Selection - Based on manual selection or last connected input.
- Automatic Analog Audio Detection & Embedding.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems.
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances.
- Range - Up to 130m (430ft) at normal mode (2K), up to 100m at normal mode (4K); up to 180m (590ft) ultra mode (1080p @60Hz @24bpp) when using BC-HDKat6a cables.
- Lockable EDID.
- Flexible Control Options - Via Kramer Protocol 3000, Ethernet and embedded Web pages over RS-232.
- Digital Audio Format Support.
- Mounting Option - For wall mounting, use Kramer's OWB-2G.

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI on an HDMI connector, 1 VGA on a 15-pin HD (F) connector, 1 unbalanced stereo audio on a 3.5mm mini jack.
OUTPUTS:	1 HDBaseT on an RJ-45 connector, 1 unbalanced stereo audio on a 3.5mm mini jack.
PORTS:	1 RS-232 3-pin terminal block, 1 Ethernet on an RJ-45 connector.
CONTROLS:	Remote switches for input switching and volume control, reset switch.
STANDARDS:	HDMI with Deep Color, x.v.Color™ and 3D; HDCP—works with sources that support HDCP repeater mode; HDBT certified.
MAXIMUM ANALOG AUDIO LEVEL:	3.1Vpp.
THD:	0.013%.
SNR:	−70dB.
SUPPORTED WEB BROWSERS:	Windows 7 and higher: Internet Explorer (32/64 bit) version 11, Firefox version 30, Chrome version 35; MAC: Chrome version 35, Firefox version 27, Safari version 7.
MAXIMUM TRANSMISSION DISTANCE:	180m (590ft) up to 1080p @60Hz @24bpp in extended mode, 130m (430ft) up to 1080p @60Hz @36bpp in normal mode.
POWER CONSUMPTION:	12V DC, 850mA.
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.
ENCLOSURE TYPE:	Aluminium.
DIMENSIONS:	2 gang USA 11.6 cm x 5.1cm x 11.4cm (4.57" x 2.01" x 4.49") W, D, H; 2 gang EU 15.1cm x 4.7cm x 8.6cm (5.94" x 1.85" x 3.39") W, D, H.
WEIGHT:	0.23kg (0.51lbs) approx.
SHIPPING WEIGHT:	0.51kg (1.12lbs) approx.
ENVIRONMENTAL REGULATORY COMPLIANCE:	RoHs and WEEE.
VIBRATION:	ISTA 1A in carton (International Safe Transit Association).
COMPLIANCE STANDARDS:	CE.
INCLUDED ACCESSORIES:	Power adapter.
OPTIONS:	Faceplates: WP-20-BLNK(W) P/N 68-80371099, WP-20-BLNK(B) P/N 68-80371199.
WARRANTY:	7 years parts and labor.

CONFIGURATIONS

WP-20	Active Wall Plate – 4K UHD HDMI & Computer Graphics with Ethernet, Bidirectional RS-232 & Stereo Audio over HDBaseT Transmitter
WP-20-BLNK(W)	WP-20 Blank Panel - White. Covers RJ-45 when not used.
WP-20-BLNK(B)	WP-20 Blank Panel - Black. Covers RJ-45 when not used.