



WP-20

4K60 4:2:0 HDMI & VGA Wall-Plate Auto Switcher and PoE Acceptor over HDBaseT



WP-20 is a 4K UHD, HDBaseT active wall plate with step-in auto switcher for HDMI, VGA and analog audio signals that supports resolutions up to 4K@60Hz (4:2:0). The device has EDID management, easy control options and audio embedding. The unit is a fully-featured step-in auto-switcher with the convenience and simplicity of a wall plate. Designed for deployment in any size room, the WP-20 is easy to install with browser-based configuration and single PoE cable for Ethernet connectivity and powering.

FEATURES

- Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel).
- Max. Resolution - 4K@60Hz (4:2:0) 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-UNIKAT 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.
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.
PRODUCT DIMENSIONS:	15.10cm x 4.00cm x 8.00cm (5.94" x 1.57" x 3.15") W, D, H
PRODUCT WEIGHT:	0.3kg (0.6lbs) approx.
SHIPPING DIMENSIONS:	25.60cm x 11.80cm x 11.40cm (10.08" x 4.65" x 4.49") W, D, H
SHIPPING WEIGHT:	0.9kg (1.9lbs) approx.

CONFIGURATIONS

WP-20/US(W)	US-D-size WP-20, with white 2-gang DECORA® design frame, white HDMI/Ethernet & PC/audio front connection plates, PSU + power cord, white US screw set, screwdriver
WP-20/JP(W)	US-D-size WP-20, with white 2-gang DECORA® design frame, white HDMI/Ethernet & PC/audio front connection plates, PSU + Japan power cord, white US screw set, screwdriver
WP-20/US(B)	US-D-size WP-20, with black 2-gang DECORA® design frame, black HDMI/Ethernet & PC/audio front connection plates, PSU + power cord, black US screw set, screwdriver
WP-20/JP(B)	US-D-size WP-20, with black 2-gang DECORA® design frame, black HDMI/Ethernet & PC/audio front connection plates, PSU + Japan power cord, black US screw set, screwdriver
WP-20/EU(W)-86	UK-size WP-20, with white 2-gang UK design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, white EU screw set, screwdriver
WP-20/EU(B)-86	UK-size WP-20, with black 2-gang UK design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, black EU screw set, screwdriver