



# KRAMER

## WP-20

4K60 4:2:0 HDMI & VGA Step-In PoE  
Wall-Plate Transmitter with Ethernet,  
RS-232 & Stereo Audio over  
Extended-Reach HDBaseT

| VGA/UXGA - 15-pin HD | HDMI | Ethernet - RJ-45 | HDCP Compliant | HDBaseT | 4K/60 UHD (4:2:0)



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



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## TECHNICAL SPECIFICATIONS

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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
PRODUCT DIMENSION:	4.00cm x 1.00cm x 7.50cm (1.57" x 0.39" x 2.95" ) W, D, H
PRODUCT WEIGHT:	0.0kg (0.0lbs) approx
SHIPPING DIMENSION:	10.50cm x 6.50cm x 6.00cm (4.13" x 2.56" x 2.36" ) W, D, H
SHIPPING WEIGHT:	0.1kg (0.1lbs) approx
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



## 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
WP-20-BLNK(W)	US-D-size white HDMI-only (no Ethernet) front connection plate
WP-20-BLNK(B)	US-D-size black HDMI-only (no Ethernet) front connection plate
WP-20/EU(G)-86	UK-size WP-20, with gray 2-gang UK design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, gray EU screw set, screwdriver
WP-20/EU(BAL)-86	UK-size WP-20, with brushed aluminum 2-gang UK design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, brushed aluminum EU screw set, screwdriver
WP-20/EU(W)-80	EU-size WP-20, with white 2-gang EU design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, white EU screw set, screwdriver
WP-20/EU(B)-80	EU-size WP-20, with black 2-gang EU design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, black EU screw set, screwdriver
WP-20/EU(G)-80	EU-size WP-20, with gray 2-gang EU design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, gray EU screw set, screwdriver
WP-20/EU(BAL)-80	EU-size WP-20, with brushed aluminum 2-gang EU design frame with HDMI/Ethernet & PC/audio connections, PSU + power cord, brushed aluminum EU screw set, screwdriver

