

## HDMI Extenders

### HDMI 2.0b Extender Kit HDBaseT CATx Cables 4K60 up to 100m (EXT-HDBASET-HDMI20-1)

18Gbps HDMI extender is a standard HDBaseT extender kit over Cat5e/Cat6, HDMI 2.0b and HDCP 2.2 compliant. It also carries RS232 control together with the HDMI signal. The transmitter also features HDMI output ports for use for local display and receiver features L/R output from the HDMI embedded audio. Both transmitter and receiver can be powered with a single power supply connected at either end with PoC (Power over Cable).

#### Features

- HDMI 2.0b (18Gbps) and single-link DVI compliant
- Video resolutions up to 4K2K@60Hz (YUV444)
- Supports HDMI High Bit Rate (HBR) audio
- Long distance transmission up to 100 meters over CAT5e/CAT6 cable
- Local HDMI output on transmitter
- De-embedded audio output on receiver
- Integrated surface mount brackets



Model: EXT-HDBASET-HDMI20-1

#### TECHNICAL SPECIFICATIONS

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bitrate	18 Gbps
Video Resolutions	up to 4K2K@30/50/60Hz (YUV4:4:4), 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, 4:2:2 & 4:2:0
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4)
Supported Audio Formats	HDMI Output: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus (DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X. Analog 3.5mm output: LPCM 2.0
Supported Cable Length	Up to 100 meters (328 ft.) of CAT5e/CAT6 cable
RS-232 Baud Rate	4800-115200bps

#### MECHANICAL & ELECTRICAL SPECIFICATIONS

Housing	Black metal enclosure with integrated surface mount brackets
Dimensions	140mm W x 65mm D x 18mm H (5.51" x 2.55" x 0.7")
Weight	Transmitter: 160g (5.6oz)   Receiver: 155g (5.5oz)
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Power Supply	Included 100 - 240VAC 50/60Hz @24VDC/1A CE/FCC/UL certified)
Power Consumption	9.36W
Supported Temperature	Operation: 0 - 40°C (32 - 104°F) – Storage: -20 - 60°C (-4 - 140°F)
Relative Humidity	20 - 90% RH (no condensation)

#### CONNECTIONS

Transmitter	1x HDMI Input Type A (19-pin female) 1x HDMI loop output Type A (19-pin female) 1x HDBaseT Output (RJ45) 1x RS232 (3.81mm Phoenix connector)
Receiver	1x HDBaseT Input (RJ45) 1x HDMI output Type A (19-pin female) 1x Analog audio output 3.5mm 1 x RS-232 (3.81mm Phoenix connector)

## HDMI 2.0b Extender Kit over Optical Fiber Cables up to 300m (EXT-OF-HDMI20-ILC-2)

The EXT-OF-HDMI20-2 is a kit of 2 modules that can extend HDMI signal up to 4K Ultra HD over 1000 meters (single-mode cable) or 300 meters (multi-mode cable) to an HDMI compatible display. It also supports RS-232 signals transmission.

### Features

- HDMI 2.0b (18Gbps) and single-link DVI compliant
- Video resolutions up to 4K2K@60Hz (YUV444)
- Audio supports LPCM2/5.1/7.1 CH, Dolby Digital, DTS, Dolby True HD, DTS-HD Master Audio
- Long distance transmission up to 1000 meters over single-mode fiber cable and up to 300 meters over multi-mode fiber cable (50/125µm/OM3)
- Integrated surface mount brackets



Model: EXT-OF-HDMI20-ILC-2

### TECHNICAL SPECIFICATIONS

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bitrate	18 Gbps
Video Resolutions	up to 4K2K@30/50/60Hz (YUV4:4:4), 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, 4:2:2 & 4:2:0
Color Depth	up to 12-bit
HDMI Audio Formats	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Supported Cable Length	Single-mode fiber cable: up to 3300 feet/1000 meters   Multi-mode fiber cable: up to 1000 feet/300 meters
RS-232 Baud Rate	4800-115200bps

### MECHANICAL & ELECTRICAL SPECIFICATIONS

Housing	Black metal enclosure with integrated surface mount brackets
Dimensions	100mm W x 65mm D x 25.6mm H (3.94" x 2.55" x 1")
Weight	Transmitter: 256g (9oz)   Receiver: 260g (9.1oz)
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Power Supply	Included 100 - 240VAC 50/60Hz @5VDC/1A (US/EU stanrds, CE/FCC/UL certified)
Power Consumption	3W (Max)

### CONNECTIONS

Transmitter	1x HDMI Input Type A (19-pin female) 1x Optical Fiber output (LC female) 1x RS-232 (3.81mm Phoenix connector)
Receiver	1x Optical Fiber In (LC female) 1x HDMI Type A (19-pin female) 1x RS-232 (3.81mm Phoenix connector)