4K ULTRA HD **RoHS**

HDBaseT Extender
HDC-S01U-T/HDC-S01U-R

The HDC-S01U-T (transmitter)/HDC-S01U-R (receiver) is an HDBaseT extender for sending HDMI signals up to 328 ft. (100 m) over a Category (CAT) cable without compression or processing. The HDC-S01U-T/R supports video signals at resolutions up to 4K@60 (4:4:4) and is HDCP 2.2 compliant. With Long reach mode, 1080p (24 bit) video signal can be transmitted up to 492 ft. (150 m). HDBaseT signal is encrypted robustly by copyright protection technology. Integrator-friendly features include bidirectional RS-232C and 1GbE LAN communication allowing control commands and status to be sent and monitored. Additionally, the HDC-S01U-T includes a local HDMI output connector for real-time video monitoring.
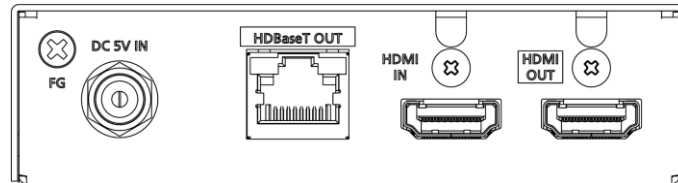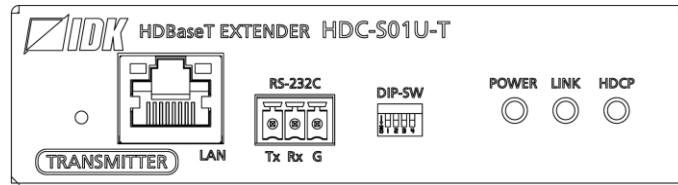
■ Specification

Item		HDC-S01U-T (Transmitter) (*1)	HDC-S01U-R (Receiver) (*1)
Input		1 input HDMI/DVI 1.0 TMDS single link, HDCP 1.4/2.2 x.v.Color/3D/HDR/CEC (*2) Connector: 1 female HDMI Type A (19-pin)	1 input HDBaseT HDCP 1.4/2.2 x.v.Color/3D/HDR/CEC (*2)/RS-232C/LAN Connector: 1 RJ-45 (*3)
Output		1 output HDBaseT HDCP 1.4/2.2 x.v.Color/3D/HDR/CEC (*2)/RS-232C/LAN Connector: 1 RJ-45 (*3) 1 output HDMI/DVI 1.0 TMDS single link, HDCP 1.4/2.2 x.v.Color/3D/HDR (*2) Connector: 1 female HDMI Type A (19-pin)	1 output HDMI/DVI 1.0 TMDS single link, HDCP 1.4/2.2 x.v.Color/3D/HDR/CEC (*2) Connector: 1 female HDMI Type A (19-pin)
Format		VGA to 4K 480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 4K For 4K formats, 24 Hz/25 Hz/30 Hz/50 Hz (4:4:4)/60 Hz (4:4:4) are supported.	
Color depth		24 bit, 30 bit, 36 bit Deep Color For 4K@50/59.94/60 RGB/YCbCr 4:4:4, 24 bit is supported.	
Dot clock		25 MHz to 600 MHz	
TMDS clock		25 MHz to 340 MHz	
TMDS data rate		0.75 Gbps to 18 Gbps	
Digital audio (Input/Output)		Multi-channel LPCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz Sample size: 16 bit to 24 bit	
Maximum transmission distances	Digital input	HDMI/DVI : 26 ft. (8 m) (4K@60), 66 ft. (20 m) (1080p@60) (*4) HDBaseT : 328 ft. (100 m) (4K@60), 492 ft. (150 m) (1080p@60) (*5)	
	Digital output	HDMI/DVI : 39 ft. (12 m) (4K@60), 66 ft. (20 m) (1080p@60) (*4) HDBaseT : 328 ft. (100 m) (*5) (4K@60), 492 ft. (150 m) (1080p@60)	
Control	RS-232C	1 port/captive screw (3-pin), full duplex, up to 115.2 kbps	
	LAN	1 port/RJ-45 10Base-T/100Base-TX/1000Base-T (Auto Negotiation), Auto MDI/MDI-X	
Functions		DDC buffer, Connection Reset pass-through (*6)	
General	Power	DC 5 V 1.4 A	
	Power consumption	About 7 W	
	Dimensions	4.2 (W) × 1.1 (H) × 3.9 (D)" (106 (W) × 28 (H) × 100 (D) mm) (Excluding connectors and the like)	
	Weight	0.9 lbs. (0.4 kg)	
	Temperature	Operating: 32°F to 104°F (0°C to +40°C) Storage : -4°F to +176°F (-20°C to +80°C)	
	Humidity	Operating/Storage: 20% to 90% (Non Condensing)	

*1 Since high-speed signal is transmitted, do not install the transmitter and receiver in an electrically noisy environment. Especially, use of a high-output radio transmission device near the HDC-S may interfere with or interrupt video and or audio signals. Automatic power saving mode (Auto-LPPF) is not supported.
*2 HEC or ARC is not supported. CEC from a source device to sink device is not supported. For CEC, control between sink devices that are connected to HDMI outputs (local monitor output) of source device and transmitter is not supported.
*3 RJ-45 (HDBaseT connector) is only for extending digital video and audio signals over a category cable. Do not connect to a connector having LAN functionality.
*4 The maximum cable distance varies depending on the connected devices and was measured under following conditions:
　・4K@60　 : When IDK's 18 Gbps supported cable was used and signals of 4K@60 24 bit/pixel (8 bit/component) was input or output.
　・1080p@60: When IDK's 24 AWG cable was used and signals of 1080p@60 24 bit/pixel (8 bit/component) was input or output.
　The maximum cable distance depends on the connected devices. The distance may not be extended with some device combinations, cabling method, or other manufacturer's cable. Video may be disturbed or may not be output even if signals are within the range mentioned above.
*5 The maximum cable distance varies depending on the connected devices and was measured under following conditions:
　・4K@60　 : When CAT6A (U/FTP, 23 AWG) cable was used and signals of 4K@60 24 bit/pixel (8 bit/component) was input or output.
　　　　　　 230 ft. (70 m) if IDK's CAT.5E HDC cable or another 24 AWG cable is used.
　・1080p@60: When IDK's CAT.5E HDC cable was used and signals of 1080p@60 24 bit/pixel (8 bit/component) was input or output.
　　　　　　 For Long reach mode, use IDK's HDBaseT Products that supports 328 ft. (100 m).
　The maximum distance may not be extended with some device combinations, cabling methods, or another manufacture's category cable. Video may be disturbed or may not be output even if signals are within the range mentioned above. The maximum distance is the shorter distance of connected HDBaseT product or sink device's maximum transmission distance. T568A or T568B straight.
*6 The HDC-S passes through the Connection Reset function of the device installed before the HDC-S. If other devices are connected between the HDC-S and the sink device, this feature may be invalid.
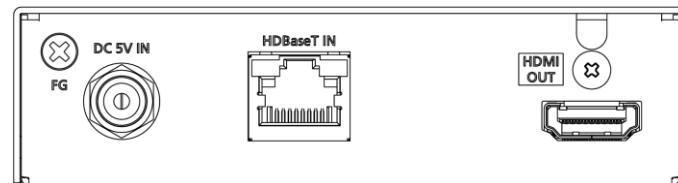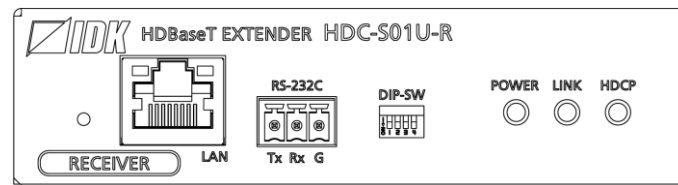
IDK Corporation

■ **Front & Rear Panels**

HDC-S01U-T (Transmitter)

HDC-S01U-R (Receiver)

IDK Corporation