



## HDBaseT Extender

# HDC-S01U-T/HDC-S01U-R

The HDC-S01U-T/R is an HDBaseT transmitter and receiver set 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. HDBaseT signal is encrypted robustly by copyright protection technology. Integrator-friendly features include bidirectional RS-232C and 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

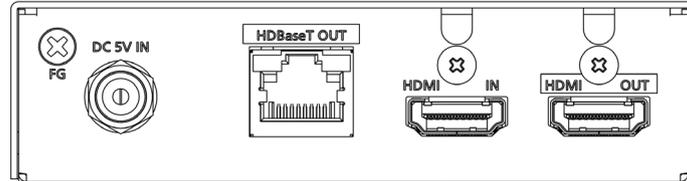
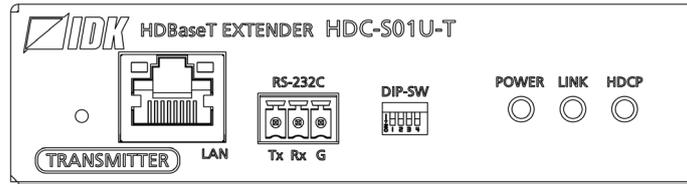
Item		HDC-S01U-T (Transmitter) (*1)	HDC-S01U-R (Receiver) (*1)
Input		1 input HDMI/DVI 1.0 TMDS single link, HDCP 1.4/2.2 x.v.Color/3D/HDR/CEC (*2) Connector: 1 female HDMI Type A (19-pin)	1 input HDBaseT HDCP 1.4/2.2 x.v.Color/3D/HDR/CEC (*2)/RS-232C/LAN Connector: 1 RJ-45 (*3)
Output		1 output HDBaseT 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/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 : 66 ft. (20 m) (1080p@60), 26 ft. (8 m) (4K@60) (*4) HDBaseT : 328 ft. (100 m) (*5)	
	Digital output	HDMI/DVI : 66 ft. (20 m) (1080p@60), 39 ft. (12 m) (4K@60) (*4) HDBaseT : 328 ft. (100 m) (*5)	
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	AC adapter	Input : 100 - 240 VAC ±10%, 50 Hz/60 Hz ±3 Hz Output : DC 5 V 3 A (A dedicated AC adapter is provided)	
	Power consumption	About 7 Watts	About 7 Watts
	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 Required to be used the transmitter and receiver together. 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.
- \*2 HEC or ARC is not supported. CEC from a source device to sink device 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:  
 • 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.  
 • 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.  
 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 transmission distance was obtained when CAT6A (U/FTP) cable was used. 230 ft. (70 m) if IDK's CAT.5E HDC cable is used. The distance may not be extended with some device combinations or cabling methods. Video may be disturbed or may not be output even if signals are within the range mentioned above. 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.

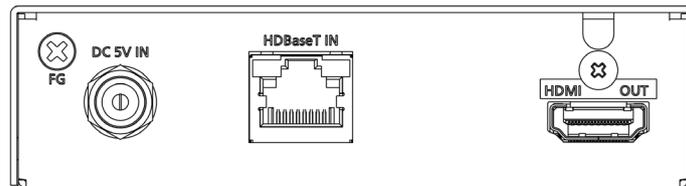
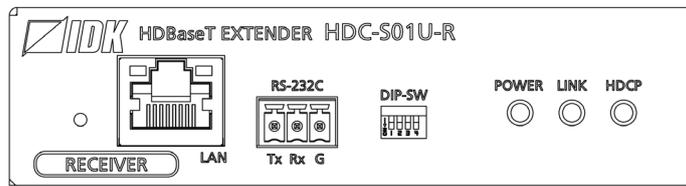
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■ Front & Rear Panels

HDC-S01U-T (Transmitter)



HDC-S01U-R (Receiver)



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