

HDC-S200 / HDC-S400



HDBaseT Distribution Amplifier

The IDK HDC-S200 and 400 are splitters which can extend HDBaseT signals by using IDK HDC series transmitters and receivers. By using with the IDK HDC series transmitters and receivers, video and audio signals can be extended and distributed to up to four HDBaseT receivers.

FRONT & REAR PANEL

HDC-S200 Front panel:



HDC-S200 Rear panel:



HDC-S400 Front panel:



HDC-S400 Rear panel:



FEATURES

- **Video**
 - Up to QWXGA (RB)^{*1} or 1080p
 - HDCP
 - Up to 197 ft. (60 m) signal extension over a Cat6 cable
 - Daisy chain connection
 - Anti-snow
- **Others**
 - EDID emulation
 - Seven segment LED signal status check

^{*1} (RB) = Reduced Blanking

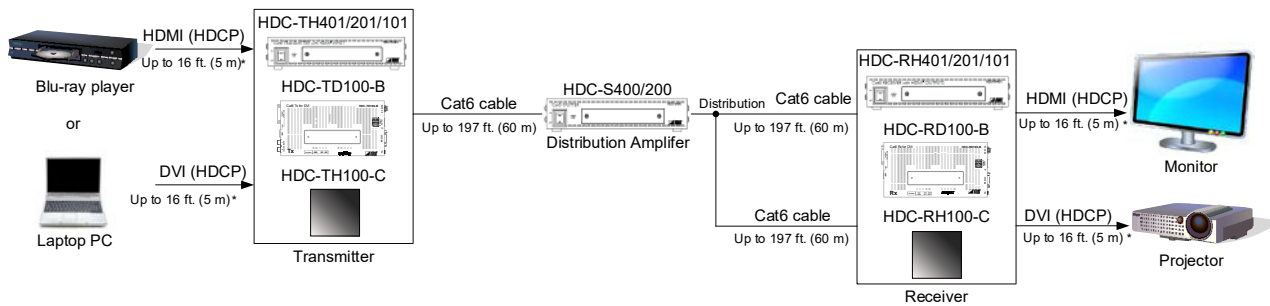
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SAMPLE CONNECTION DIAGRAM



SPECIFICATIONS

Item		Description			
Model number		HDC-S200	HDC-S400		
Input	Video	HDBaseT	Number / Signal	1 input / HDBaseT - HDCP (*1) - TMDS single link - TMDS clock: 25 MHz to 225 MHz - Dot clock: 25 MHz to 165 MHz	
		Connector	1 RJ-45 (*2)		
	Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA to QWXGA * VESA1080 / WUXGA / QWXGA: only Reduced Blanking is supported.			
	Color depth	24 bit, 30 bit, 36 bit Deep Color			
Audio	Digital	Number / Signal	1 input / Multi-channel LPCM up to 8 channels - Sampling frequency: 32 kHz to 192 kHz - Sample bit: 16 bit to 24 bit - Reference level: -20 dBFS - Max. input level: 0 dBFS		
		Connector	1 RJ-45 (*2)		
Output	Video	HDBaseT	Number / Signal	2 outputs / HDBaseT - HDCP (*1) - TMDS single link - TMDS clock: 25 MHz to 225 MHz - Dot clock: 25 MHz to 165 MHz y	4 outputs / HDBaseT - HDCP (*1) - TMDS single link - TMDS clock: 25 MHz to 225 MHz - Dot clock: 25 MHz to 165 MHz y
		Connector	2 RJ-45 (*2)	4 RJ-45 (*3)	
	Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA to QWXGA * VESA1080 / WUXGA / QWXGA: only Reduced Blanking is supported.			
	Color depth	24 bit, 30 bit, 36 bit Deep Color			
Audio	Digital	Number	2 outputs	4 outputs	
		Signal	Multi-channel LPCM up to 8 channels - Sampling frequency: 32 kHz to 192 kHz - Sample bit: 16 bit to 24 bit - Reference level: -20 dBFS - Max. output level: 0 dBFS		
Connector	2 RJ-45 (*2)	4 RJ-45 (*2)			
Plug & Play		DDC2B (can be selected from Built-in EDID, Copied EDID, and EDID of connected receiver)			
Function		Seven segment LED signal status check Anti-Snow (*3) RS-232C (pass through) (*4)			
Twisted pair cables		CAT.5E HDC, Cat5e UTP / STP, Cat6 UTP / STP (*5)			
Max. extension distance		197 ft. (60 m) (*6)			
Control	Serial control port	Number / Signal	2 ports / RS-232C, pass through 115.2 kbps	4 ports / RS-232C, pass through 115.2 kbps	
		Connector	2 RJ-45 (*4)	4 RJ-45 (*4)	
Others	AC adapter	100 - 240 VAC ± 10%, 50 Hz / 60 Hz ± 3 Hz			
	Power consumption	About 16 Watts	About 22 Watts		
	Dimensions	8.3 x 1.7 x 11.8" (210 (W) x 44 (H) x 300 (D) mm) (EIA 1U high, half rack wide) (Excluding connectors and the like)			
	Weight	4.2 lbs. (1.9 kg)	4.4 lbs. (2.0 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 humidity: 20% to 90% (Non Condensing)				

*1 xvYCC, 3D, ARC and HEC are not supported.

CEC: Pass-through between the input and a selected output.

*2 RJ-45 (HDBaseT input/output connectors) is only for Cat5e/Cat6 twisted pair cable. Please do not use it for LAN devices or the like.

*3 The anti-snow feature automatically fixes snow noise that is a specific symptom of HDCP-compliant signals and mainly occurs at start-up. This feature does not work when snow noise has already occurred during startup or when it occurs due to a bad condition of the transmission line.

*4 RS-232C: One-way pass-through. When the HDC is powered on and the "LINK" LED illuminates, signals can be transmitted over RS-232C at up to 115.2 kbps.

*5 T568A or T568B straight connection. HDC.CAT5E cable is HDBaseT recommended cable which IDK developed.

*6 The maximum extension distance is the shorter one of transmitter/receiver/sink device connected to the HDC-S200, 400.

To transmit HDCP-compliant DVI signals, use an IDK' HDBaseT extender supporting DVI.

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