

HDC-RH101 / 201 / 401

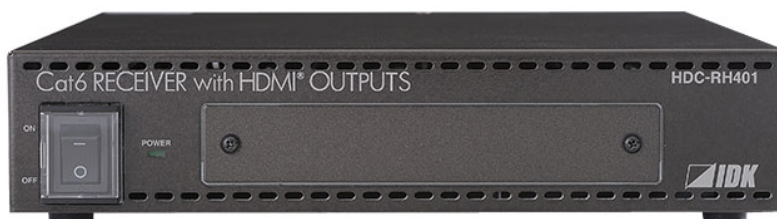


HDBaseT Daisy Chain Receiver and HDMI Splitter

The IDK HDC-RH101, 201, and 401 are receivers for HDBaseT signal. HDC-RH101, 201, and 401 have HDBaseT daisy chain and HDMI signal splitter functions. By using with the IDK HDC series transmitters, video and audio signals can be extended and distributed to up to four HDMI devices at receiver side.

FRONT & REAR PANEL

Front panel:



Rear panel: HDC-RH101



HDC-RH201



HDC-RH401



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
 - Connection Reset (only HDMI output)

^{*1} (RB) = Reduced Blanking

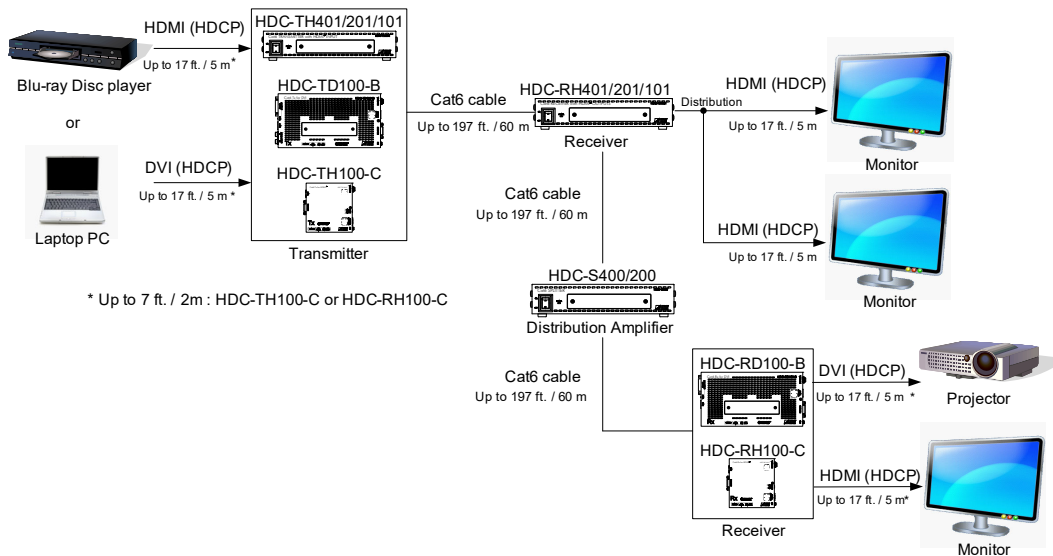
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SAMPLE CONNECTION DIAGRAM



SPECIFICATIONS

Item			Description			
Model number			HDC-RH101	HDC-RH201	HDC-RH401	
Input	Video	HDBaseT	1 input / HDBaseT - HDCP1.4 (*2) - TMDS single link - TMDS clock: 25 MHz to 225 MHz - Dot clock: 25 MHz to 165 MHz			
		Number / Signal	1 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 / Signal	1 input / Multi-channel linear PCM 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 (*3)			
Output	Video	HDMI / DVI	Number	1 output	2 outputs	4 outputs
			Signal	HDMI Deep Color (*1) / DVI 1.0 - HDCP1.4 (*2) - TMDS single link - TMDS clock: 25 MHz to 225 MHz - Dot clock: 25 MHz to 165 MHz		
		HDBaseT	Number / Signal	1 output / HDBaseT (Daisy Chain) - HDCP1.4 (*2) - TMDS single link - TMDS clock: 25 MHz to 225 MHz - Dot clock: 25 MHz to 165 MHz y		
			Connector	1 female HDMI Type A (*5) 2 female HDMI Type A (*5) 4 female HDMI Type A (*5)		
	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	1 output	2 outputs	4 outputs
			Signal	Multi-channel linear PCM 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		
		Daisy Chain	Number / Signal	1 output / Multi-channel linear PCM 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	1 female HDMI Type A (*5) 2 female HDMI Type A (*5) 4 female HDMI Type A (*5)		
Function	Others	Number / Signal	Daisy chain connection Seven segment LED signal status check Anti-Snow (*7) Connection Reset (only HDMI output) (*8) RS-232C (pass through)			
		Connector	1 RJ-45 (*3)			
Plug & Play			DDC2B is supported			
Twisted pair cables			Cat5e UTP / STP, Cat6 UTP / STP, CAT.5E HDC cable (*4)			
Max. extension distance			197 ft. approx. / 60 m (*6)			
Control	Serial control port	Number / Signal	1 port / RS-232C, pass through 115.2 kbps			
		Connector	1 RJ-45 (*3)			
Others	AC adapter	90 - 250 VAC ± 50 Hz / 60 Hz ± 3 Hz				
	Power consumption	About 13 Watts	About 16 Watts	About 19 Watts		
	Dimensions	8.27 x 1.73 x 11.81 / 210 (W) x 44 (H) x 300 (D) mm (EIA 1/2U size, projections are not included)				
	Weight	4.19 lbs. / 1.9 kg	4.19 lbs. / 1.9 kg	4.41 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.
- *2 HDCP-compliant DVI signals are not supported. To transmit these signals, use our extender which supports DVI signals or MSD-402 as receivers.
- *3 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.
- *4 T568A or T568B straight connection. HDC.CAT5E cable is HDBaseT recommended cable which IDK developed.
- *5 Please use HDMI cable which is shorter than 5 m / 16.4 ft. approx.
- *6 If connected to a device whose status is significantly bad, video signal can be unstable or cannot be output. Check the operation beforehand or contact us.
- *7 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.
- *8 For digital systems, some problems, such as an HDCP authentication error, can often be recovered by physically disconnecting and reconnecting the digital cables. However, the Connection Reset feature will fix these problems automatically without the need to physically plug and unplug the cables. It creates the same condition as if the cable were physically disconnected and reconnected. This feature only works for the HDC's output. If other devices are connected between the HDC's output and sink device, this feature may be invalid.

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