

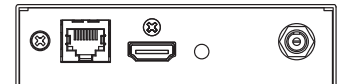
HDC-H100-C

4K@60 and HDCP2.2 supported HDMI Twisted Pair Extender

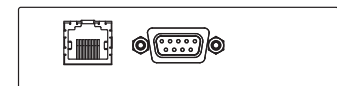


The IDK HDC-H100-C is a transmitter and receiver set for long distance transmission of HDMI signals over one twisted pair cable at up to 4K@60. The input signals are transmitted pass through and without compression so that the image quality can be kept. RS-232C bidirectional communication and LAN transmission are also supported.

FRONT & REAR PANEL



HDC-TH100-C

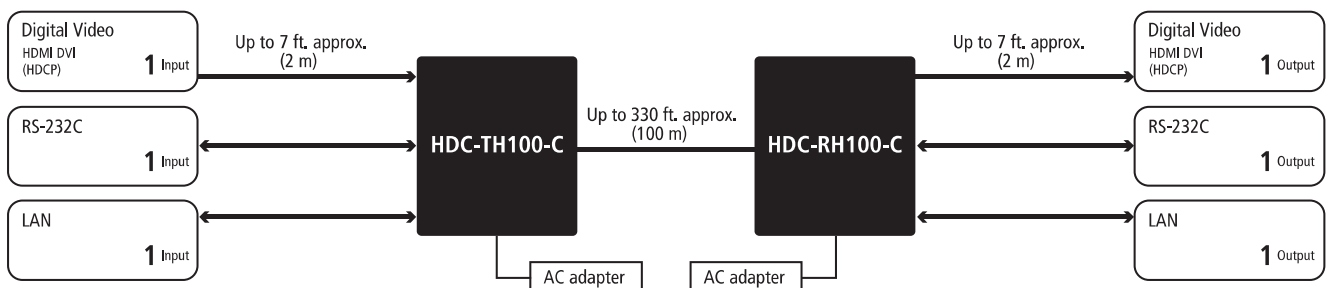


HDC-RH100-B

FEATURES

- Video:**
 - Supports up to 4K@60 (4:2:0)
 - Extends output signal up to 330 ft. approx. (100 m) using a Cat6 twisted pair cable
 - Extends output 4K signal up to 230 ft. approx. (70 m) using a Cat6 twisted pair cable
- Others:**
 - No substantial transmission delay under 10 μ s / 330 ft. approx. (100 m)
 - HDCP (Pass through)
 - CEC (Pass through)
 - AC adapter mechanical lock

CONNECTION DIAGRAM



SPECIFICATIONS

Model number			HDC-TH100-C (Transmitter)	HDC-RH100-C (Receiver)	
Input	Video	Number / Signal	1 input / HDMI (HDCP 1.4/2.2 Pass through, CEC: Pass through) TMDS clock: 25 MHz to 340 MHz	1 input / Digital signals for extension	
		Connector	1 female HDMI Type A	1 RJ-45	
		Others	Color depth: 24 bit, 30 bit, 36 bit Deep Color		
		Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 4K, VGA to 4K		
	Audio	Number / Signal	1 input / Multi-channel linear PCM up to 8 channels	1 input / Digital signals for extension	
		Connector	1 female HDMI Type A	1 RJ-45	
Output	Video	Number / Signal	1 output / Digital signals for extension	1 output / HDMI (HDCP 1.4/2.2 Pass through, CEC: Pass through) TMDS clock: 25 MHz to 340 MHz	
		Connector	1 RJ-45	1 female HDMI Type A	
		Others	Color depth: 24 bit, 30 bit, 36 bit Deep Color		
		Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p / 4K, VGA to 4K		
	Audio	Number / Signal	1 output / Digital signals for extension	1 output / Multi-channel linear PCM up to 8 channels	
		Connector	1 RJ-45	1 female HDMI Type A	
		Plug & Play			Pass through
		Twisted pair cables			Cat6 UTP / STP cable, Cat5e UTP / STP cable
Signal transmission distance (*7)			330 ft. approx. (100 m) (using a Cat6 UTP / STP cable) 4K format: 230 ft. approx. (70 m) (Using a Cat6 UTP / STP cable)		
Control	Serial control port	Number / Signal	1 port / Full duplex Max. 115.2 kbps		
		Connector	1 male 9-pin D-Sub		
	LAN control port	Number / Signal	1 port / 10Base-T (Auto Negotiation), 100Base-TX (Auto Negotiation), Auto MDI / MDI-X		
		Connector	1 RJ-45		
Others	AC adapter		Input: 100 - 240 VAC ± 10%, 50 Hz / 60 Hz ± 3 Hz, Output: 5 VDC 2 A 10Watts (AC adapter is supplied)		
	Power consumption		About 4 Watts	About 7 Watts	
	Dimensions		4.17(W) × 1.08(H) × 3.94(D)" approx. (106(W) × 27.5(H) × 100(D) mm) (Quarter rack, not including projections)		
	Weight		0.88 lbs. approx. (0.4 kg)		
	Temperature		Operating temperature: 32°F to 104°F (0°C to +40°C) Storage temperature: -4°F to +176°F (-20°C to +80°C)		
	Humidity		Operating / Storage humidity: 20% to 90% (Non Condensing)		
	With HDCP	Without HDCP			
HDMI	Supported	Supported			
DVI	Not supported	Supported			