

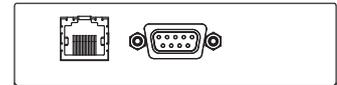
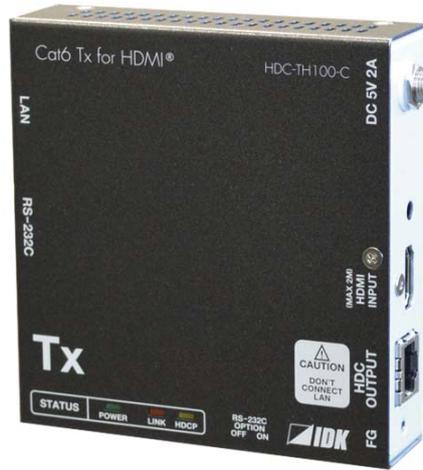
# HDC-H100-C



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

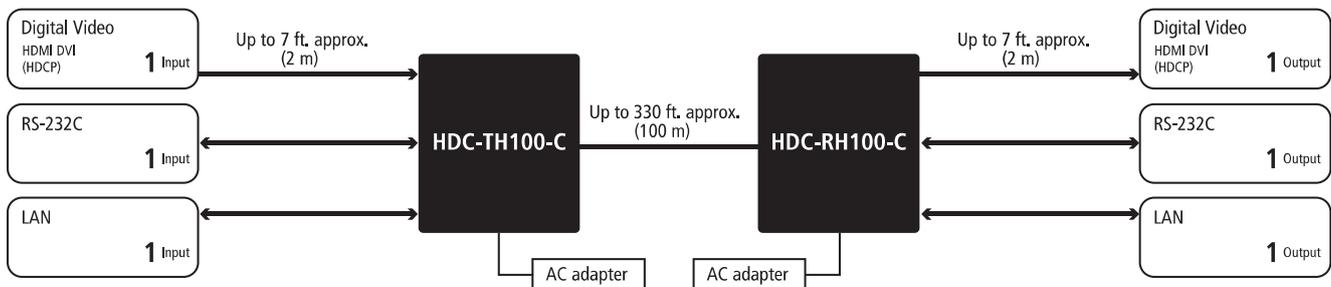


HDC-RH100-B

## 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  $\mu$ 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 $\pm$ 10%, 50 Hz / 60 Hz $\pm$ 3 Hz, Output: 5 VDC 2 A 10Watts (AC adapter is supplied)				
	Power consumption	About 4 Watts		About 7 Watts		
	Dimensions	4.17(W) $\times$ 1.08(H) $\times$ 3.94(D)" approx. (106(W) $\times$ 27.5(H) $\times$ 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