

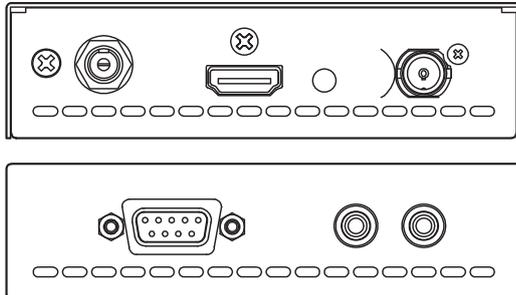
# COS-100HD-B



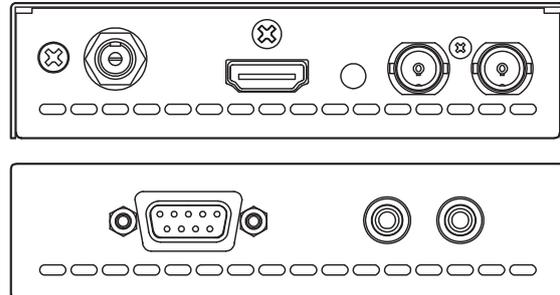
## HDMI Coaxial Cable Extender

The IDK COS-100HD-B HDMI Coaxial Cable Extender is a transmitter and receiver set for transmission of HDMI signals over a coaxial cable. Video signals are extended without first being converted into analog signals. The receiver supports Daisy Chain connection and bidirectional communication via RS-232C. The COS-100HD-B enables HDMI transmission over existing coaxial cables. You can select HDMI audio or analog audio input.

### FRONT & REAR PANEL



COS-T100HD-B



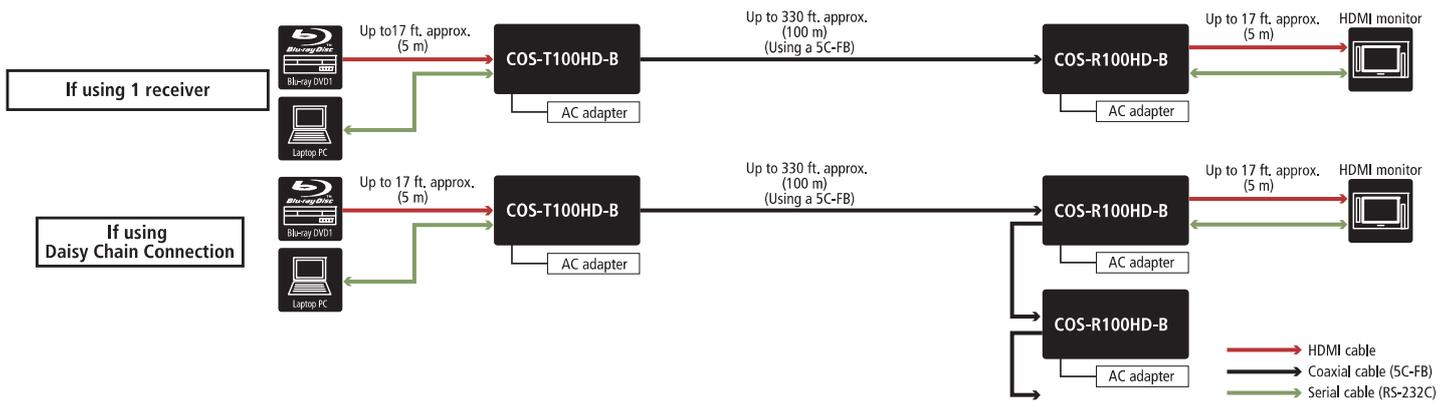
COS-R100HD-B

### FEATURES

- Video:**
  - Up to WUXGA (RB)\* or 1080p
  - Extends up to 330 ft. approx. (100 m) using a 5C-FB cable
  - Daisy Chain connection
  - Anti-snow
- Audio:**
  - Embedded analog audio to HDMI signal
  - De-embedded analog audio from HDMI signal
- Others:**
  - RS-232C bidirectional communication
- Control:**
  - Connection Reset
  - HDCP
  - EDID emulation
  - AC adapter mechanical lock

\* (RB) = Reduced Blanking

## CONNECTION DIAGRAM



## SPECIFICATIONS

Model number			COS-T100HD-B (Transmitter)	COS-R100HD-B (Receiver)
Input	Video	Digital	1 input / HDMI (HDCP 1.4) TMDS Single Link, TMDS clock: 25 MHz to 165 MHz	1 input / Digital signals for extension
			Connector	1 female HDMI Type A
		Others	Color depth: 24 bit	
		Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA / SVGA / XGA / WXGA (1280x768) / WXGA (1280x800) / Quad-VGA / SXGA / WXGA (1360x768) / WXGA (1366x768) / SXGA+ / WXGA+ / WXGA++ / UXGA / WSXGA+ / WUXGA / QWXGA * WUXGA / QWXGA: Reduced Blanking	
	Audio	Digital	1 input / Multi-channel linear PCM up to 8 channels Sampling frequency: 32 kHz to 192 kHz, Sample Size: 16 bit to 24 bit Reference level: -20 dBFS, Max. input level: 0 dBFS	1 input / Digital signals for extension
			Connector	1 female HDMI Type A
Analog		1 input / stereo LR unbalanced signals Input impedance: 24 kΩ, Reference level: -10 dBu, Max input level: +10 dBu	-	
		Connector	1 RCA pin jack	
Output	Video	Digital	1 output / Digital signals for extension	1 output / HDMI (HDCP 1.4) TMDS Single Link, TMDS dock: 25 MHz to 165 MHz
			Connector	1 BNC 75Ω
		Daisy Chain	Number / Signal	-
		Connector	1 input / Digital signals for extension	
		Connector	1 BNC 75Ω	
		Others	Color depth: 24 bit	
		Formats	480i / 480p / 576i / 576p / 720p / 1080i / 1080p VGA / SVGA / XGA / WXGA (1280x768) / WXGA (1280x800) / Quad-VGA / SXGA / WXGA (1360x768) / WXGA (1366x768) / SXGA+ / WXGA+ / WXGA++ / UXGA / WSXGA+ / WUXGA / QWXGA * WUXGA / QWXGA: Reduced Blanking	
	Audio	Digital	1 output / Digital signals for extension	1 output / Multi-channel linear PCM up to 8 channels Sampling frequency: 48 kHz, Sample Size: 24 bit Reference level: -20 dBFS, Max. input level: 0 dBFS
			Connector	1 BNC 75Ω
		Analog	Number / Signal	-
		Connector	1 output / stereo LR unbalanced signals Input impedance: 75 kΩ, Reference level: -10 dBu, Max input level: +10 dBu	
		Connector	1 RCA pin jack	
Plug & Play			DDC2B (Built-in EDID: the maximum resolution can be selected.)	
Coaxial cables			75 Ω coaxial cable for high frequency signal	
Signal transmission distance			6C-HD: Up to 330 ft. approx. (100 m), 5C-FB: Up to 330 ft. approx. (100 m) *Please be careful to use it with an adequate cable length.	
Functions			Anti-snow, Connection Reset	
Control	Serial control port	Number / Signal	1 port / Full duplex Max. 115.2 kbps	
		Connector	1 male 9-pin D-Sub	
Others	AC adapter	Input: 100 - 240 VAC ± 10%, 50 Hz / 60 Hz ± 3 Hz, Output: 5VDC 3A 15 Watts (AC adapter is supplied)		
	Power consumption	About 6 Watts		About 6 Watts
	Dimensions	4.17 (W) × 1.02 (H) × 5.91 (D)" approx. (106 (W) × 26 (H) × 150 (D) mm) (Quarter rack, not including projections)		
	Weight	1.1 lbs. approx. (0.5 kg)		1.1 lbs. approx. (0.5 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)		