HDMI Chainable Extender over CAT.5e/6
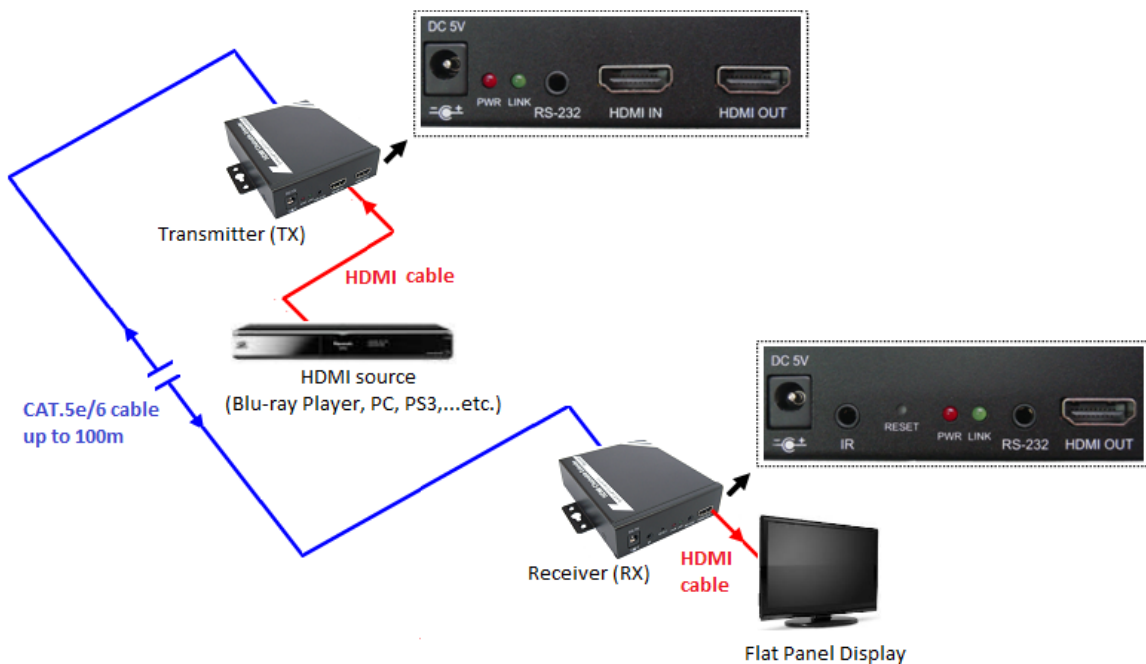
Model No. HCE-100

The HCE-100 is the high performance, cost-effective HDMI Extender over CAT. 5e/6 up to 100m at the best strengthened competitive price in the market. HCE-100 supports Full HD 1080p video and daisy-chainable with high flexibility for expansion.

Features:

- Uses easy to install, inexpensive CAT. 5e/6 cables
- Each pair (TX & RX) extends the signals up to 100m (330 feet)
- Supports video high resolution up to 1920x1080, Full HD 1080p
- HDTV compatible (720p, 1080i, 1080p)
- Supports High Definition Audio (HD) Surround Sound
  - Daisy-chainable receiver up to 10 layers
  - Supports RS-232 (Serial)
  - IR (Infrared remote) enabled
- Supports Local HDMI monitoring port
- Each receiver (remote) links cascade-chainable 2 receivers
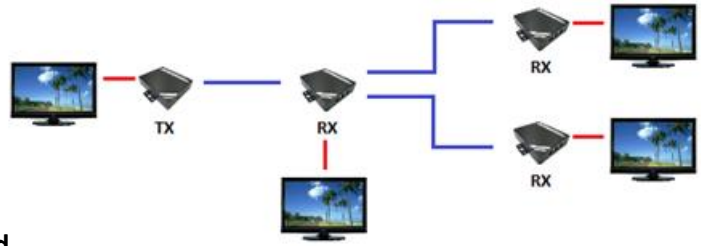- Bracket mountable

Application Diagram

Connection Diagram
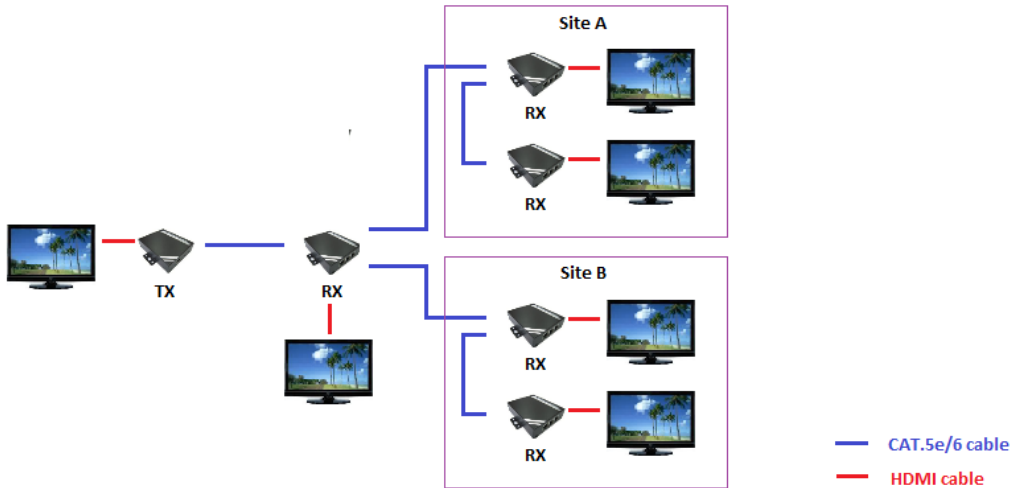
(1) Single Source Extension

(2) Single Source Extension and Receivers Cascade Chaining

(3) Single Source with Multiple Receivers Cascaded

Site A

Site B

— CAT.5e/6 cable
— HDMI cable

Transmitter (TX) – Front View

① : Connected to Power Adapter DC 5V/2A

② : Power LED (Solid Red when power present)

③ : Link LED (Solid Green when link present)

④ : RS-232 control port

⑤ : HDMI IN, connected to HDMI source

Transmitter (TX) – Rear View

⑥ : HDMI OUT, connected to display

⑦ : CAT.5e/6 cable connected for data out

⑧ : IR Blaster Emitter

⑨ : Reset Button

Receiver (RX) – Front View

① : CAT.5e/6 cable connected for data in or out

② : CAT.5e/6 cable connected for data in or out

③ : CAT.5e/6 cable connected for data in or out

④ : Connected to Power Adapter DC 5V/2A

⑤ : IR Receiver

Receiver (RX) – Rear View

⑥ : Reset Button

⑦ : Power LED (Solid Red when power present)

⑧ : Link LED (Solid Green when link present)

⑨ : RS-232 control port

⑩ : HDMI OUT, connected to display

Specifications

		HCE-100TX (Transmitter)	HCE-100RX (Receiver)
Console Connectors	HDMI Output	HDMI (Female)	HDMI (Female)
	RS-232 Control Port	Phone Jack	Phone Jack
PC Connectors	HDMI Input	HDMI (Female)	N/A
Extension Port	RJ-45	Full HD Video / Audio Extension	
RJ-45		1 (Line Out)	3 (Line In or Line Out)
Cascaded-Chainable		N/A	Yes, up to 10 layers
Audio		Supports High Definition Audio (HD) , Surround Sound	
IR		Bi-directional	
LED Indicators	Local Power	Red LED	
	Local Link	Red Green	
	Remote Power	Red LED	
	Remote Link	Red Green	
DDC Supported		DDC, DDC2, DDC2B	
Extension Cable Type & Length		CAT.5e / CAT.6 Max. Length: 100m	
Max. Video Resolution		1920x1080@60Hz, Full HD 1080p, 48-bit	
Wide Screen Supported		Yes	
OS Compatibility		OS Independent	
Power Supply		External DC 5V / 2A Power Adapter	
Dimension (L x W x H)		115 x 91 x 28 mm	
Weight		340g	380g
Housing material		Metal	
Operating Temperature		32 - 122 $^{\circ}$F (0 - 50 $^{\circ}$C)	
Humidity		0% - 80% RH	

Accessories

A. DC 5V 2A power adaptor

B. IR cable (optional)

C. RS-232 cable (optional)