

# SATSON<sup>®</sup> HDM-EXT-0107C

## HDMI Extender over Single Cat.X with HDBasedT, RS-232, Bi-directional IR, Ethernet & POE

Transmitter



Receiver



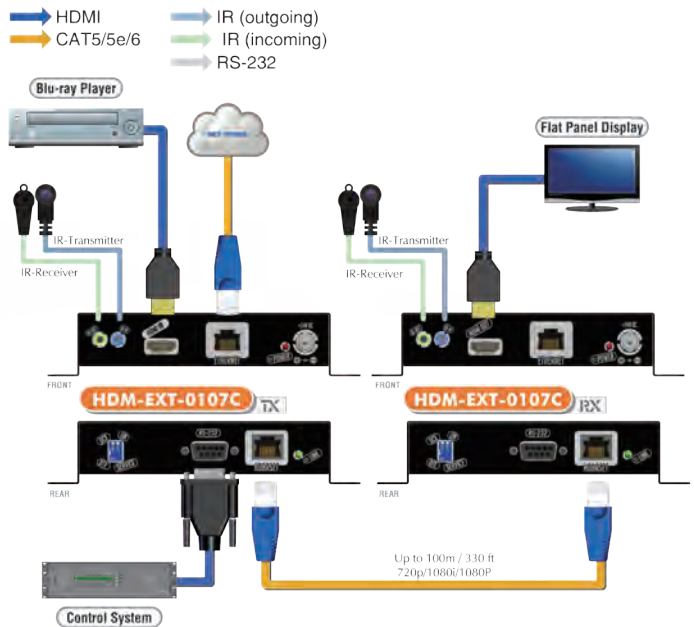
### Features

- Support HDMI Deep Color, full 3D & 4K2K@30 (HDBaseT technology)
- Extend the transmission up to 100m (330ft) from the HDMI source at Full HD 1080p 48-bit
- Support POE(Power over Cable) which can power both units from TX or RX with power supply.
- HDCP & EDID Bypass
- CEC support
- Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Support full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR path-through
- Full Duplex RS-232 control up to 115,200 bps through connector
- Integrated Ethernet port for LAN/ network device
- Wall mounting housing design for easy and robust installation

### Package Contents

- 1x HDM-EXT-0107C [TX & RX]
- 1x IR blaster
- 1x IR receiver
- 1x DC 24V in-line with C7 power cord
- 1x User manual

### Connection Warranty



### Specifications

Model Name	HDM-EXT-0107C	
Technical	HDM-EXT-0107C [Tx]	HDM-EXT-0107C [Rx]
Role of usage	Transmitter [TX]	Receiver [RX]
HDMI compliance	HDMI Deep Color, full 3D & 4K2K@30	
HDCP compliance	Yes	
Video bandwidth	Single-link 340MHz [10.2 Gbps]	
Video support	480i / 480p / 720p / 1080i / 1080p60	
HDMI over UTP	1080p@60 100m (330ft) [CAT5e]	
Audio support	Surround sound [up to 7.1ch] or stereo digital audio	
Equalization	Auto	
Input TMDS signal	1.2 Volts [peak-to-peak]	
Input DDC signal	5 Volts [peak-to-peak, TTL]	
ESD protection	[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge] [2] Core chipset — ±8kV	
PCB stack-up	6-layer board [impedance control — differential 100Ω; single 50Ω]	
IR pass-thru	Bi-directional	
RS-232 support	Yes	
Ethernet support	Yes	
POE support	Yes	
Input	1x HDMI / 1x 3.5mm	1x RJ-45(Video) / 1x 3.5mm
Output	1x RJ-45(Video) / 1x 3.5mm	1x HDMI / 1x 3.5mm
In / Out	1x DIN9 / 1x RJ-45(Ethernet)	1x DIN9 / 1x RJ-45(Ethernet)
HDMI source control	Controllable via IR pass-through from RX to TX with IR extenders	
IR remote control	Type A [19-pin female]	
HDMI connector	DIN-9	
RJ-45 connector	WE/SS 8P8C(Reverse Mode)	
Rotary control switch	None	
3.5mm connector	IR receiver / R blaster	R receiver / IR blaster
<b>Mechanical</b>		
Housing	Metal enclosure	
Dimensions [L x W x H]	Model	85 x 60 x 25mm [3.3" x 2.4" x 1"]
	Package	270 x 175 x 80mm [10.6" x 6.9" x 3.1"]
	Carton	450 x 370 x 300mm [1.6" x 1.3" x 11.8"]
Weight	Model	320g [11 oz]
	Package	720g [1.6 lbs]
Fixedness	Wall-mounting case with screws	
Power supply	24V1A	
Power consumption	Max 12W	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	