



AREC DS-MT1

HDMI 2.0 over IP Multicast Transceiver System

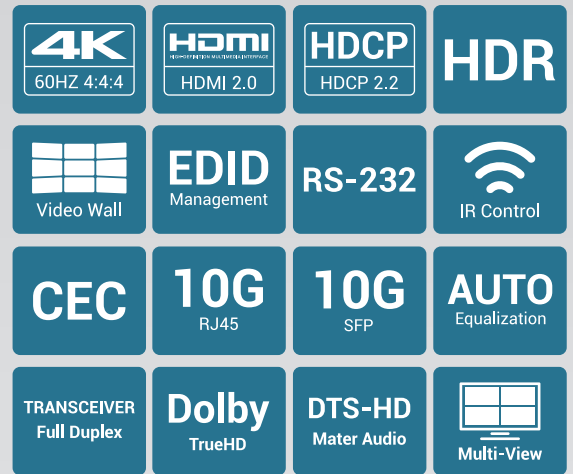


- A Complete Ultra-HD 4K@60(4:4:4) Video Solution for Many 4K Requirement Applications, such as Medical Care, Digital Signage, etc.
- Transmission Distance up to 100m (330ft) [CAT.6A*], 300m (990ft) [OM3] or 400m (1320ft) [OM4] based on 10 Gigabit Switch with 802.1Q VLAN Function.
- Supports Bi-directional IR, RS-232, Video Extender/Extractor, USB, and Video Wall Support.
- 3 Broadcasting Configuration Options: Point-to-Point, Point-to-Many, or Many-to-Many.

* Cat-6A cable or better is recommended for better performance

Features

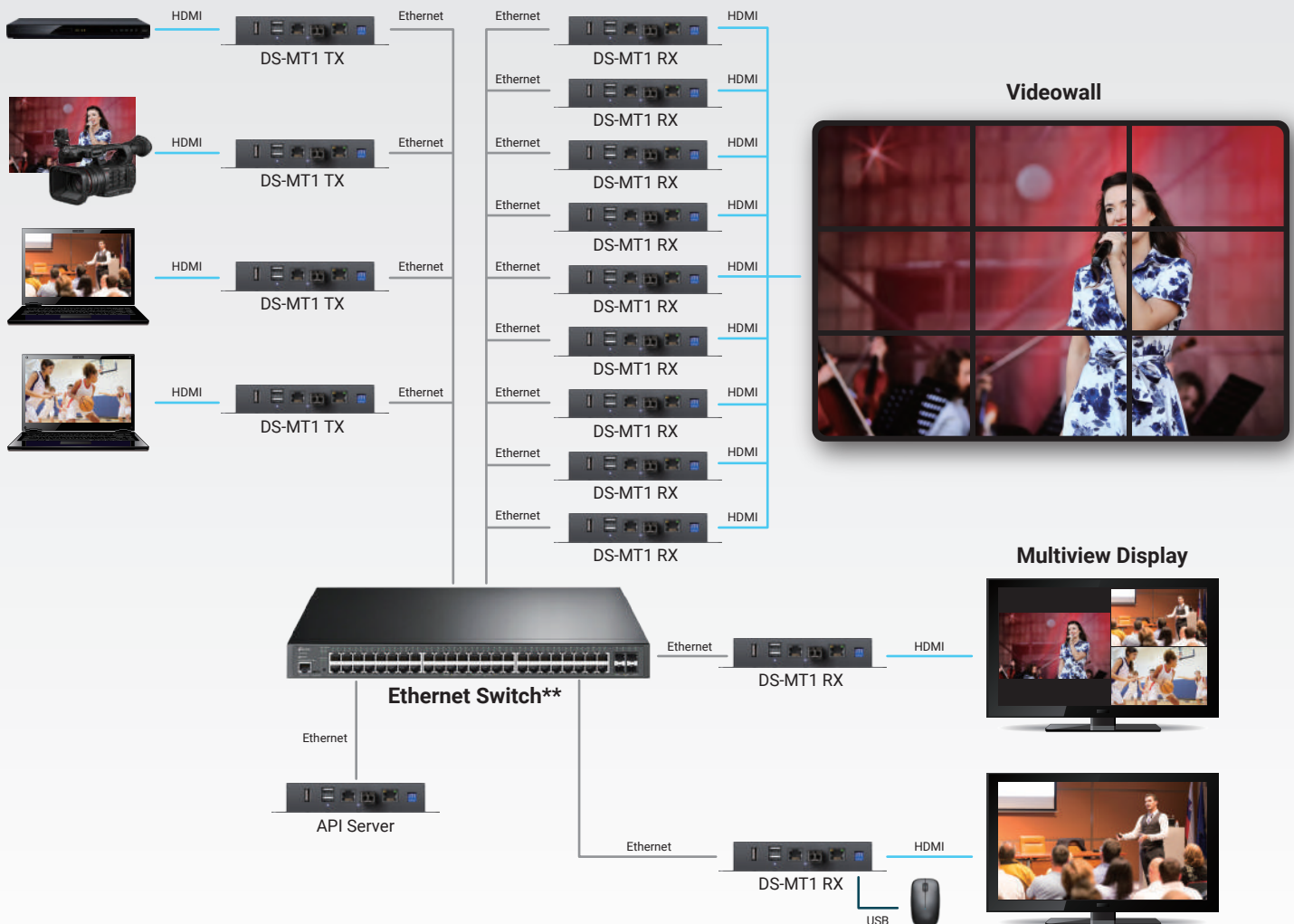
- Supports HDR and up to 4K@60 4:4:4
- HDCP & CEC Bypass
- Supports EDID management
- Able to be configured as a full duplex transmitter and receiver
- Slide switch to select transmission over 10G copper RJ45 or SFP
- Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over cat.6A/fiber transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Supports bi-directional full frequency IR signal from 20KHz to 60KHz
- Bi-directional Analog audio pass-through
- Full duplex RS-232 control up to 115,200 bps
- Cat.6A/fiber extension and connection to a 10GbE Ethernet Switch which supported IGMP version 2
- Supports software to configure & upgrade device and to control the switching operation of the various signal types
- Supports seamless switching
- Supports Video Wall* & Multi-view function
- Supports custom scaling to display



Configuration*

Video & Audio

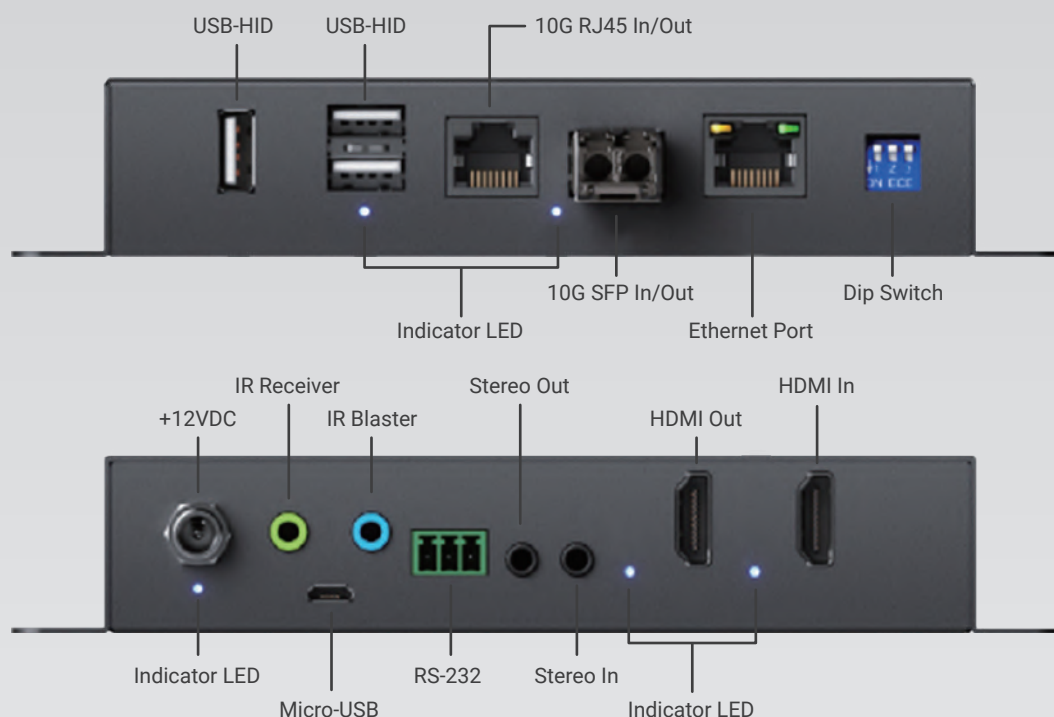
Switching, Extension & Processing



* Bandwidth taken per channel: 1080p60→3.2 Gb/s; 4K60→8.5 Gb/s

** Please select the router/switch which supports IGMP version 2.

Panel Description



Specifications

Model Name	DS-MT1
Technical	
Role of usage	Transceiver
HDMI compliance	HDMI 2.0a
HDCP compliance	HDCP 2.2 & 1.4
Video bandwidth	Single-link 594MHz [18Gbps]
Video support	480i / 480p / 720p / 1080i / 1080p60 / 4K2K@30 / 4K2K@60 4:4:4
HDMI over UTP	4K2K@60 4:4:4 100m (330ft) [CAT.6A]
HDMI over fiber	4K2K@60 4:4:4 up to 300m (990ft) [OM3] / 400m (1320ft) [OM4]
Audio support	Surround sound [up to 7.1ch] or stereo digital audio
Equalization	Auto
IR pass-thru	Bi-directional
RS-232 support	Yes
I/O connector	2x HDMI + 4x 3.5mm + 3x USB (1.1/ 2.0) + 1x Micro USB + 2x RJ45 + 1x fiber + 1x RS-232
HDMI source control	Controllable via IR pass-through from RX to TX or TX to RX with IR extenders
HDMI connector	Type A [19-pin female]
RJ-45 connector	WE/SS 8P8C
USB connector	Type A/ Micro
3.5mm connector	IR receiver / IR blaster / Stereo
Mechanical	
Housing	Metal enclosure
Dimensions [L x W x H]	172 x 162 x 30mm [6.7" x6.3" x1.2"]
Weight	685g [1.5 lbs]
Accessories	Power supply, IR extender, User Guide
Power supply	12V DC
Power consumption	18 Watt [max]
Operation temperature	0~40°C [32~104°F]
Storage temperature	-20~60°C [-4~140°F]
Relative humidity	20~90% RH [no condensation]



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