



KA263RX-MV HDMI OVER IP 120M WITH IR 4K60HZ MULTIVIEWER RECEIVER



This HDMI multi-view processor is designed for ipcolor Multimedia Control System(iMCS). When using this product, it needs to be paired with the iMCS series products. After connecting to the iMCS Transmitter through an IGMP switch, it can simultaneously receive and process multiple AV signals. Allowing remote control of multiple 4K@60Hz video displays via the iMCS control APP. Utilizing ipcolor STREAM technology to achieve high-definition, low-latency transmission, while supporting other functions such as RS-232 control, RS-485 control, I/O control, and digital audio separation. This product can be widely applied in areas such as audio-visual conferences, dispatch centers, home entertainment, broadcast television, and education and training.

Features

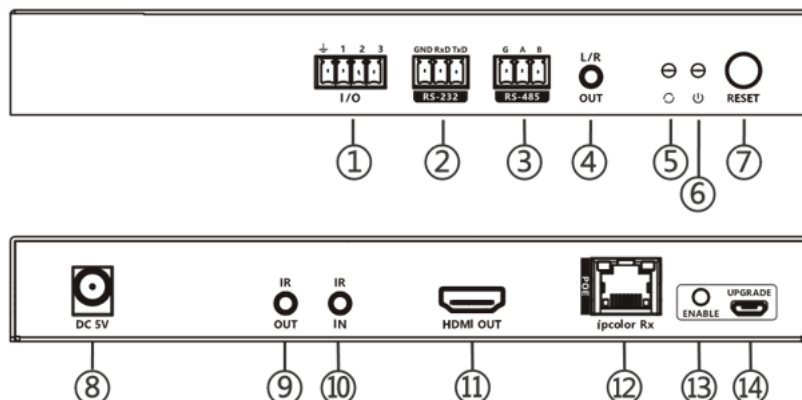
1. Built on ipcolor STREAM™ technology to deliver high-definition and low-latency transmission.
2. Supports up to 4096 x 2160@60Hz resolution, backwards compatible.
3. Compatible with CAT5e/6 and above networking cables, the transmission distance can reach up to 120 meters when using CAT6 or above networking cables. The actual distance may vary slightly due to different switch performances.
4. Supports switch cascading.
5. Supports RS-232 Control.
6. Supports RS-485 Control.
7. Supports IR learning remote and control device by APP (20~60KHz).
8. Supports I/O interface control.
9. Supports POE (Power over Ethernet).
10. Support for 3.5mm L/R Channel Audio Separation.
11. After connecting to the iMCS over IP matrix, it supports receiving and processing multiple signals simultaneously. Paired with the Imcs APP, allowing remote control of the screen display view, providing four-panel and nine-panel screen view, also adjusting the view size and position freely.
12. Firmware upgrading via Micro USB port.
13. Lightning protection, surge protection, ESD protection.
14. Stable 24/7 operation.

Technical Parameters

Video	
Input interface	1x RJ45
Output interface	1xHDMI
HDMI length	≤ 5m
Maximum transfer rate	18Gbps
Compatibility	HDMI 2.0
	HDCP 1.4/HDCP 2.2
Resolutions	4096x2160@24/30/50/60Hz, 3840x2160@24/30/50/60Hz, 1080P@50/60Hz, 720P@50/60Hz, 1920x1200@60Hz, 2560x1440@60Hz
Connection types	Regular switch Connection or Switch Cascade
Transmission distance	Cat6/6A/7≤120m
Transmission latency	180~250ms
Audio signal	
Input interface	1x RJ45
Output interface	1x 3.5mm L/R 1xHDMI
HDMI output	LPCM 2.0
3.5mm audio input/output format	LPCM 2.0
Command Signal	
Input interface	1x 3.5mm IR output 1x 3.5mm IR input
IR frequency	20kHz~60kHz
RS-232/RS-485	Default baud rate: 115200 Supported: 2400, 4800, 9600, 19200, 38400, 57600, 115200
I/O	Output control instructions
Power	
Power Supply	DC 5V/2A
Power Consumption	≤ 8W
Operating Environment	
Working temperature	-20°C~60°C
Storage temperature	-30°C~70°C
Humidity	0~90%RH (no condensation)
Physical Properties	
Housing	Iron
Dimensions	191.0(L)*96.0(W)*25.0(H)mm
Weight	518g
Color	Black
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2
	Lightning protection, Surge protection

Panel Description

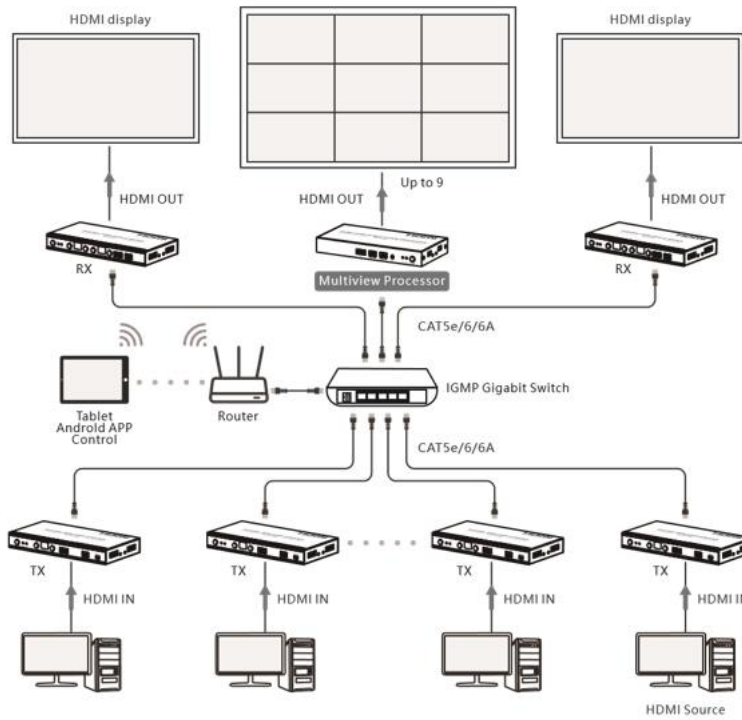
Receiver (Rx)



1.	I/O interface	Use the terminal block to connect the external device, and control the output signal via the control APP
2.	RS-232 (GND/RxD/TxD)	RS-232 control commands for APP
3.	RS-485 (G/A/B)	RS-485 control commands for APP
4.	L/R output	Connect with the audio device with 3.5mm stereo audio cable
5.	Status indicator	1) Light off : The network is not connected 2) Steady on : The network is connected
6.	Power indicator	Indicator lights up when power is applied
7.	Reset	1) Press to restart the device 2) Press and hold for 5 seconds to restore factory settings
8.	Power	Connect with DC5V/2A power adapter
9.	IR output	Connect with IR blaster extension cable
10.	IR input	Connect with IR receiver extension cable
11.	HDMI output	Connect with HDMI display device
12.	ipcolor Rx	Connect with CAT5e/6 or higher-level networking cables (PoE input)
13.	ENABLE	Press and hold the upgrade button, then power the product, 5 seconds later will enter upgrade mode.
14.	Micro USB port	For firmware upgrading

Connection Diagrams

Regular switch Connection



Switch Cascade

