



HDMI 2.0 Video Wall Over IP Multicast System TX/RX

User Manual



04-1213A

P/N: CE-H25211-S1
P/N: CE-H25311-S1

Safety and Notice

The device has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the device should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.



Thank You *for your purchase!*

Features

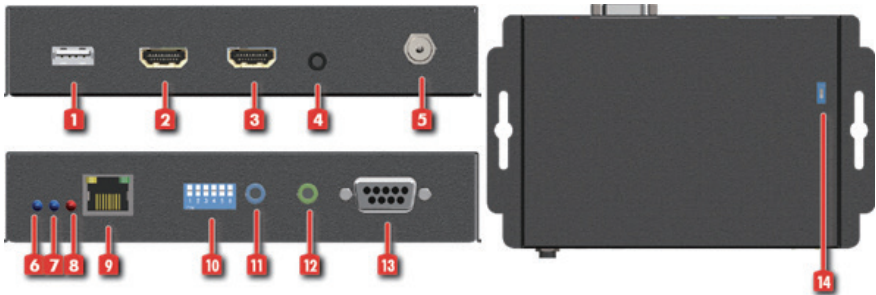
- Supports HDMI **input** up to 4K2K@60 4:4:4 8bits
- Supports HDMI **output** up to 4K2K@30 RGB
- Supports High Dynamic Range (HDR)
- HDMI 2.0a, HDCP 2.2 compliant
- Supports PoE(Power over Ethernet)
- Flexible and scalable UHD Video Broadcasting by Gigabit Ethernet LAN/Switch (**IGMP function required**)
- one to one, one to many & multi-casting broadcasting architecture
- Bi-directional IR path, IR signal from 20KHz to 60KHz
- Full Duplex RS-232 control up to 115,200 bps through connector
- Up to 1,023 Groups Multi-Casting
- Latency: 1080P60: 23ms
- Supports Video Wall function
- Supports 180 and 270 clockwise image rotation
- Supports USB2.0

Package contents

- HDMI 2.0 Video Wall Over IP Multicast System TX/RX
- Power adapter DC 5V / 2A
- IR blaster cable for TX / IR Receiver cable for RX
- Screw Kit
- User Manual

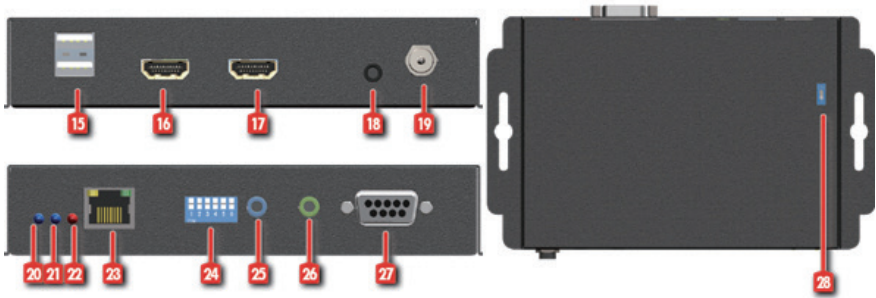
Layout

TX



1. **USB:** Connect to upstream USB host (USB 2.0 speed)
2. **HDMI loopout:** Connects to a HDMI display
3. **HDMI IN:** Connects to a HDMI source
4. **3.5mm audio in:** Connect to an audio source
5. **Power Jack:** Connect to DC 5V/2A power supply
6. **Link LED indicator:**
 [Blink] When unit connect a Cat-5/5e/6 cable
 [Shine] When transmitting unit connect to a HDMI source and linked to the receiving unit
7. **System LED indicator:**
 [Blink] When unit connect a power supply unit
 [Shine] After booting, when device become stably
8. **Info LED indicator:** When user click the LED button from soft ware, the LED light will blink 30 seconds.
9. **RJ-45:** Gigabit Ethernet port
10. **Group dip Switch:** Group ID dip-switch setting
11. **IR Blaster:** for plugging in the extension cable of IR blaster
12. **IR Receiver:** for plugging in the extension cable of IR receiver
13. **RS-232:** Connect to PC serial port with a DSUB-9 male-male cable
14. **Dip Switch:** RS-232 mode selection
 [ON] debug mode; [OFF] bypass modeUSB

RX



15. **USB:** Connect to upstream USB device (USB 2.0 speed)
16. **HDMI OUT:** Connect to a HDMI display with
17. **HDMI IN:** Connects to a HDMI source with a HDMI
18. **3.5mm audio out:** Connect to an audio output
19. **Power jack:** Connect to DC 5V/2A power supply
20. **Link LED indicator:**
 [Blink] When unit connect a Cat-5/5e/6 cable
 [Shine] When transmitting unit connect to a HDMI source and linked to the receiving unit
21. **System LED indicator:**
 [Blink] When unit connect a power supply unit
 [Shine] After booting, when device become stably
22. **Info LED indicator:** When user click the LED button from soft ware, the LED light will blink 30 seconds.
23. **RJ-45:** Gigabit Ethernet port
24. **Group dip Switch:** Group ID dip-switch setting
25. **IR Blaster:** for plugging in the extension cable of IR blaster
26. **IR Receiver:** for plugging in the extension cable of IR receiver
27. **RS-232:** Connect to PC serial port with a DSUB-9 cable
28. **Dip Switch:** RS-232 mode selection
 [ON] debug mode; [OFF] bypass mode

Group dip Switch

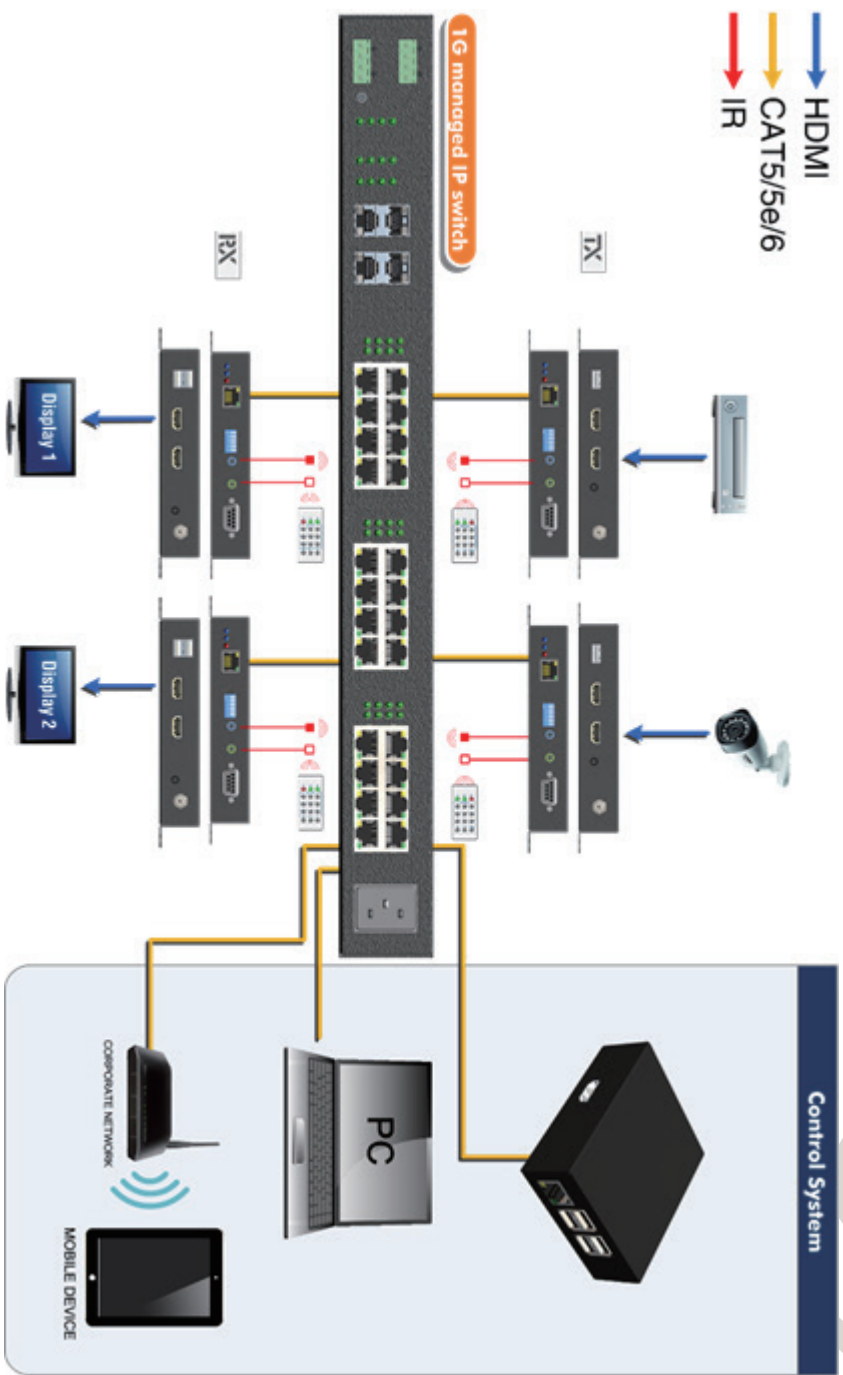
TX/RX group ID dip-switch setting

1. For ID=1~63, please refer the table below to set up (Hardware control)
2. For ID=64~1023, please adjust the DIP switch to ID=0, and the real ID can be decided by the external controller software

ID	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6
0	↑	↑	↑	↑	↑	↑
1	↓	↑	↑	↑	↑	↑
2	↑	↓	↑	↑	↑	↑
3	↓	↓	↑	↑	↑	↑
4	↑	↑	↓	↑	↑	↑
5	↓	↑	↓	↑	↑	↑
6	↑	↓	↓	↑	↑	↑
7	↓	↓	↓	↑	↑	↑
8	↑	↑	↑	↓	↑	↑
9	↓	↑	↑	↓	↑	↑
10	↑	↓	↑	↓	↑	↑
11	↓	↓	↑	↓	↑	↑
12	↑	↑	↓	↓	↑	↑
13	↓	↑	↓	↓	↑	↑
14	↑	↓	↓	↓	↑	↑
15	↓	↓	↓	↓	↑	↑
16	↑	↑	↑	↑	↓	↑
17	↓	↑	↑	↑	↓	↑
18	↑	↓	↑	↑	↓	↑
19	↓	↓	↑	↑	↓	↑
20	↑	↑	↓	↑	↓	↑
21	↓	↑	↓	↑	↓	↑
22	↑	↓	↓	↑	↓	↑
23	↓	↓	↓	↑	↓	↑
24	↑	↑	↑	↓	↓	↑
25	↓	↑	↑	↓	↓	↑
26	↑	↓	↑	↓	↓	↑
27	↓	↓	↑	↓	↓	↑
28	↑	↑	↓	↓	↓	↑
29	↓	↑	↓	↓	↓	↑
30	↑	↓	↓	↓	↓	↑
31	↓	↓	↓	↓	↓	↑

ID	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6
32	↑	↑	↑	↑	↑	↓
33	↓	↑	↑	↑	↑	↓
34	↑	↓	↑	↑	↑	↓
35	↓	↓	↑	↑	↑	↓
36	↑	↑	↓	↑	↑	↓
37	↓	↑	↓	↑	↑	↓
38	↑	↓	↓	↑	↑	↓
39	↓	↓	↓	↑	↑	↓
40	↑	↑	↑	↓	↑	↓
41	↓	↑	↑	↓	↑	↓
42	↑	↓	↑	↓	↑	↓
43	↓	↓	↑	↓	↑	↓
44	↑	↑	↓	↓	↑	↓
45	↓	↑	↓	↓	↑	↓
46	↑	↓	↓	↓	↑	↓
47	↓	↑	↓	↓	↑	↓
48	↑	↑	↑	↑	↓	↓
49	↓	↑	↑	↑	↓	↓
50	↑	↓	↑	↑	↓	↓
51	↓	↓	↑	↑	↓	↓
52	↑	↑	↓	↑	↓	↓
53	↓	↑	↓	↑	↓	↓
54	↑	↓	↓	↑	↓	↓
55	↓	↓	↓	↑	↓	↓
56	↑	↑	↑	↓	↓	↓
57	↓	↑	↑	↓	↓	↓
58	↑	↓	↑	↓	↓	↓
59	↓	↓	↑	↓	↓	↓
60	↑	↑	↓	↓	↓	↓
61	↓	↑	↓	↓	↓	↓
62	↑	↓	↓	↓	↓	↓
63	↓	↓	↓	↓	↓	↓

Application



Support

For more info or tech support
<http://www.siig.com/support>

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