

SC08.9000 - HDMI Matrix Extender



Product Code	Description
SC08.9000	Transmitter and Receiver
SC08.9016	Transmitter
SC08.9021	Receiver

Key Features

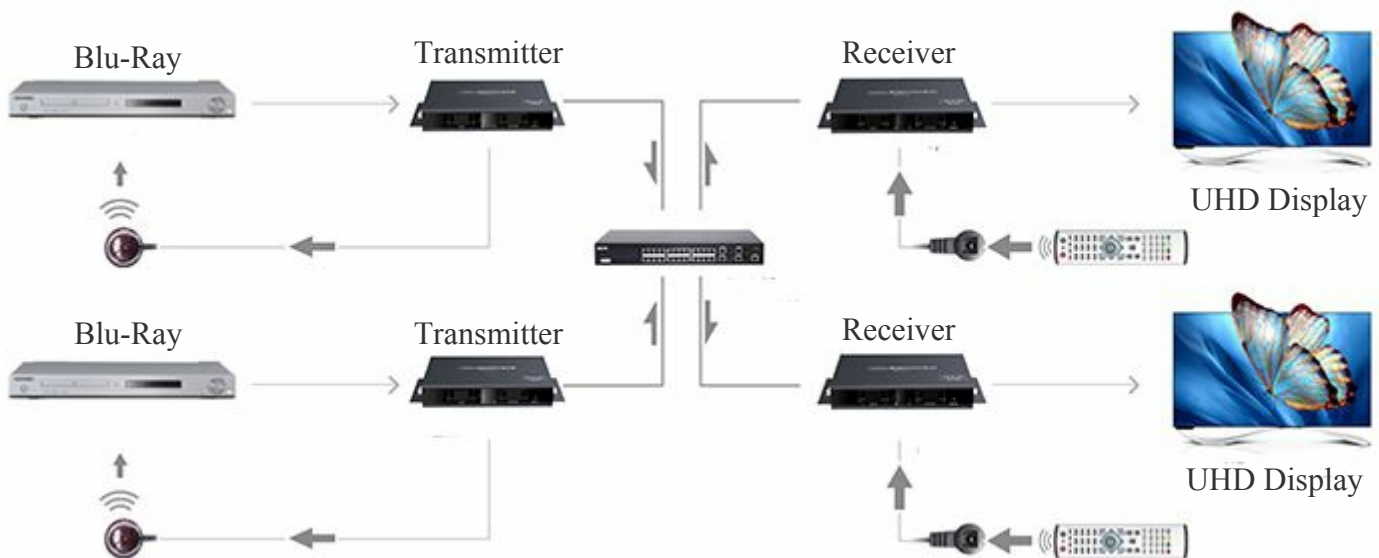
- Route multiple sources to multiple screens
- Scalable, flexible solution
- Resolutions up to 4K@60Hz
- HDMI 2.0, HDCP 2.2
- Transmission distance 120m
- IR pass-through for source control
- Control: Infra-Red, Buttons, Android, iOS, PC



Description

The SC08.9000 transmitters and receivers can be used as point-to-point extenders up to 120m or when connected to a Gigabit LAN, can create a 100 input x 256 output HDMI matrix. The transmitter provides a local HDMI output for connecting a local screen. Multicast addresses are set on the transmitters and receivers select these streams using front panel buttons or the infra-red remote supplied with the receiver. Infra-red is also passed through the transmitter for controlling the source devices using the Satellite or DVD remote. The infra-red is routed to ensure you only control the source device selected. Full duplex RS232 enables control of connected screens for volume, power etc. which is useful when used in digital signage applications.

Connection Drawing



Specification

Connectors

Transmitter : 1 x HDMI Socket Type A, 1 x RJ45 Socket, 1 x 3.5mm Jack, 1 x DC Jack
Receiver : 1 x HDMI Socket Type A, 1 x RJ45 Socket, 1 x 3.5mm Jack, 1 x DC Jack

Signal

HDMI Input Resolution : 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz,
1080i@50/60Hz, 1080p@50/60Hz,
4Kx2K @24/25/30/60Hz

HDMI Output Resolution : 1080p@60Hz 4Kx2K@30/60Hz
HDMI Compliance : HDMI 2.0 and HDCP 2.2
Maximun Transfer Rate : 18Gbps
Input & Output TMDS Signal : 0.7~1.5Vp-p (TMDS)
Input & Output DDC Signal : 5Vp-p(TTL)
Transmission Length : 120m using CAT5e or better
HDMI Input Cable Length : ≤5m(AWG24)
HDMI Output Cable Length : ≤5m(AWG24)
IR Remote : Supports IR passback with 20~60KHz frequency
Transfer Method : Over UTP/STP CAT5/5e/6

Power

Power : DC5V/3A
Power Consumption : TX:>7W RX:>10W
Mean Time Between Failure (MTBF) : >30000 Hours

Environment

Working Temperature : 0 ~ 50°C
Storage Temperature : -10 ~ 70°C
Humidity : 0 ~ 90% (no condensation)
Dimensions : 164(L) x 109(W) x 24(H)mm
Weight : TX:330g, RX:330g