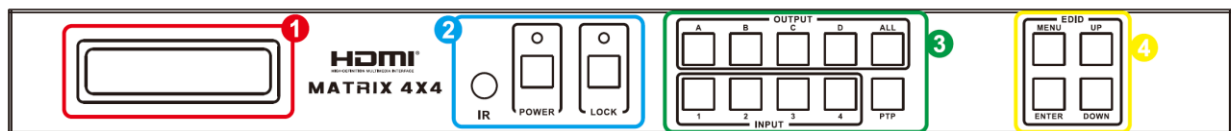![Advance Connex logo]

Industrial Grade design

AC-944H100
4 x 4 HDBaseT
HDMI Matrix Switch, 100m

Advance Connex AC-944H100 4 in 4 out HDBaseT 4K HDMI matrix switch, capable to support video transmission up to max 100m over single Cat6 cable. The HDBaseT HDMI matrix switch feature with 4 x Rj45 output (max 100m) and HDMI port which is mirrored and run simultaneously. Apart from 4k high resolution, the matrix switch support digital audio format such as LPCM 7.1ch, Dolby TrueHD, Dolby digital plus and DTS-HD master audio.
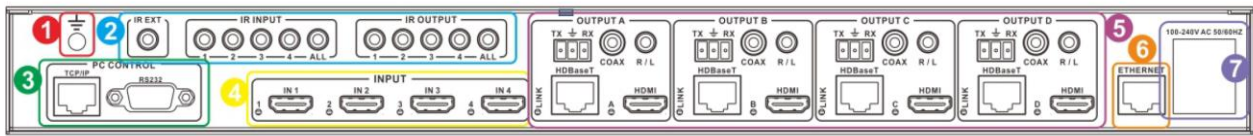
Features:
- HDMI 2.0, HDCP 2.2 compliant
- Video resolution up to max 4k2k@30Hz
- Distance supported: 100m for HD1080p, 70m for UHD4K
- Support reception of any audio data conforming to the HDMI specification such PCM up to 192kHz, compressed audio (IEC 61937),DSD,DST,DTS and HBR
- POE function
- Support simultaneous HDMI and Rj45 outputs
- Wideband IR(30-60Khz) for matrix system
- Support smart EDID management
- Control via on-panel Button, remote control, RS-232 or LAN
- 1U rack mounted design size

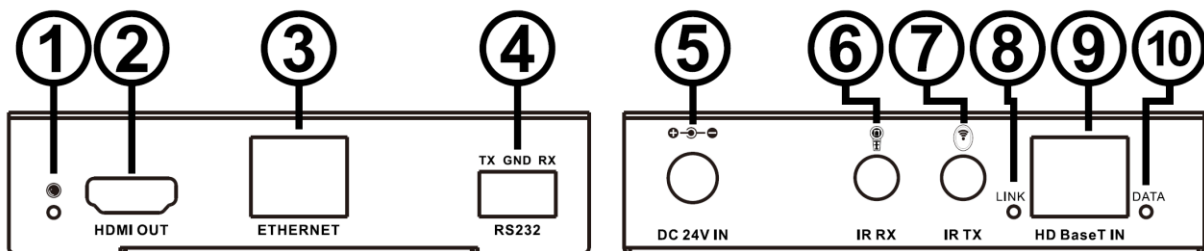**Front panel description:**

1. LCD Screen – display information of each input and output video setting and EDID management.
2. IR, power and lock button – IR receiver window, power on/off button, lock panel button
3. Output & input – Video display selection for output/input devices
4. EDID – Button to select menu and EDID management configuration

Rear panel description:

1. GND - Connect the Housing to ground
2. IR sensor port – for remote control to access matrix switch & equipment IR input and output
3. PC control – LAN & Rs232 for pc/control system to access
4. HDMI input – Input port for HDMI sources
5. Output port – HDMI port for Tv/Projector,
             HDBaseT to connect HDBaseT receivers units,
             Coaxial & analog audio to connect audio amplifier.
6. Ethernet – to provide internet signal from receiver or to receiver.
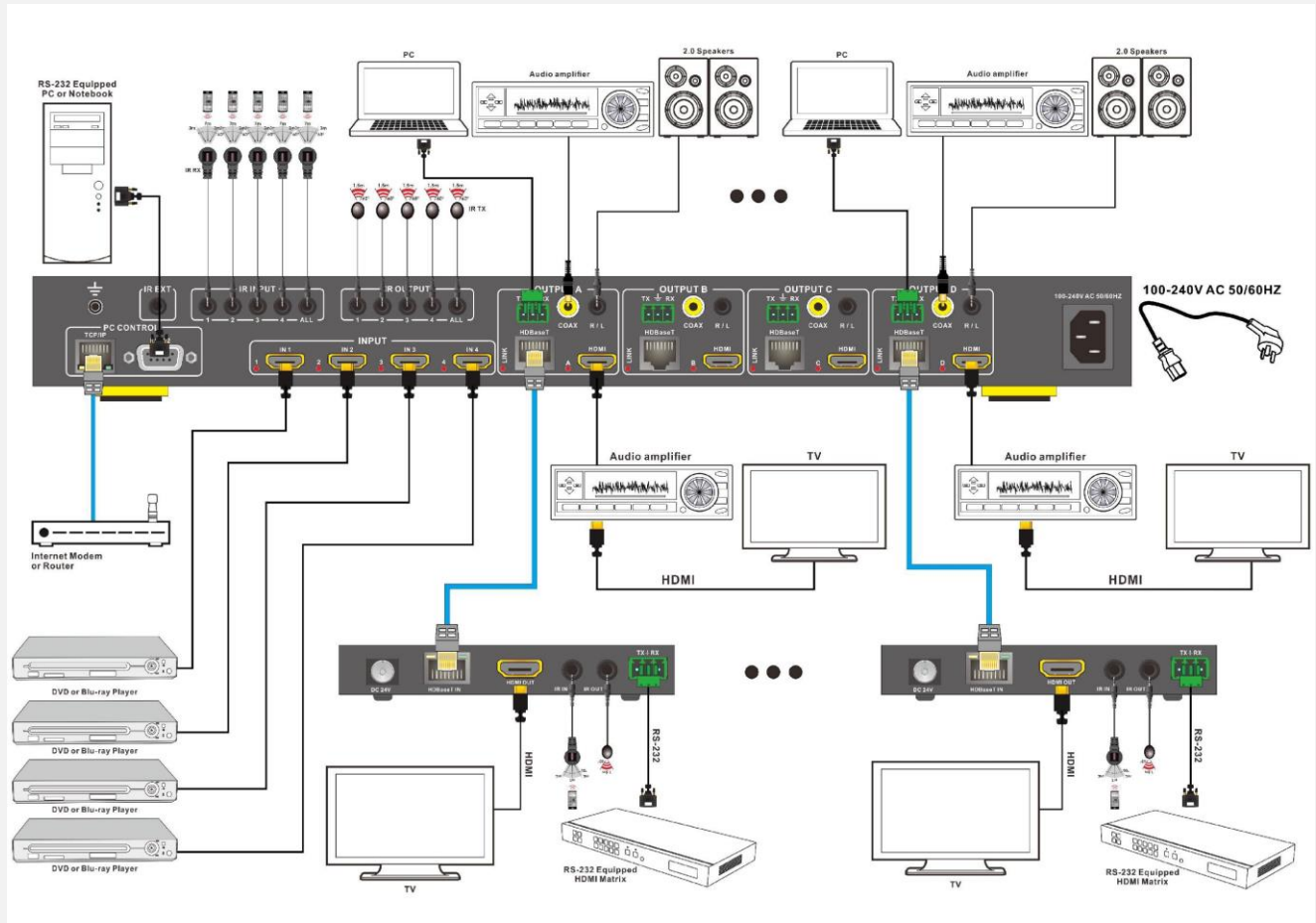7. AC power – to connect AC power cable

HDBaseT receiver unit:

1. Power – led indicator light for power status.
2. HDMI out – HDMI cable output to TV/Projector display unit.
3. Ethernet – to connect to internet switch/router.
4. RS-232 – to connect to Pc or control system.
5. DC24 – power source from power adapter. (optional)
6. IR Rx – for IR Rx cable.
7. IR Tx – for IR Tx cable.
8. Connection Signal Indicator Lamp – led indicator light for video running status
9. HDBaseT in – to connect to HDMI matrix switch
10. Data Signal Indicator Lamp – led indicator light for HDMI signal status

Technical Specification:

Video Bandwidth	297MHz [10.2Gbps]
Video Resolution	480i,576i,480p,576p,720p,1080i,1080p24/30/50/60.4Kx2K@30
Distance supported	HD1080p max 100m 4K@30 max 70m
Matrix input Ports	4 x HDMI 5 x IR Receiver 1 x RS-232 1 x RJ-45 (Control) 4 x RS232
Matrix Output Ports	4 x Rj45 4 x HDMI 4 x IR Blaster
HDbaseT receiver Input Ports	1 x HDMI 1 x IR 2 x Rj45 1 x Rs232 1 x Dc 24v (optional)
HDbaseT receiver Output Ports	1 x HDMI
ESD Protection	± 8kV (Air-gap discharge) ± 4kV (Contact discharge)
Dimensions	440 mm (W) x 200 mm (D) x 45 mm (H)
Weight	1.9 Kg
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0 ºC~40 ºC/32 ºF~104 ºF
Storage Temperature	−20 ºC~60 ºC/−4 ºF~140 ºF
Relative Humidity	20~90 % RH (non-condensing)
Power Consumption	50watt (max) / 0.5watt (Standby)

Connection Diagram:

Package content:

4 x 4 Matrix Switch	1 unit
HDBaseT Receiver Unit	4 units
AC Power cord	1 unit
Operation Manual	1 unit
IR Tx cable	5 units
IR Rx cable	4 units
Remote Control	1 unit
Matrix mounting ears	1 pair
HDMI receiver mounting ears	4 pairs
RS232 cable	1 unit