



Smart Digital Solutions **S4K-8x8**

Flexible and comprehensive professional HDMI / HDBaseT matrix with CAT 6 distribution system for Commercial, Education and Residential use



The 4Konnnect **S4K-8x8** is a professional flexible HDBaseT matrix capable of selecting between 8 different HDMI devices to 8 HDMI displays located up to 100m from the unit. Flexible control options include front panel, infra-red, RS232 and IP together with IR and RS232 pass-through

Route and distribute up to 8 HDMI inputs to 8 remote displays located up to 100m of CAT 5e-8 STP cable using HDBaseT technology

The 4Konnnect **S4K-8x8** offers an unprecedented level of both switching and distribution functionality for high resolution HDMI, DVI or DisplayPort signals. By combining a high bandwidth digital matrix and audio embedding/de-embedding with signal distribution over a single CAT 5e-8 cable all in one unit, Smart-e sets a new benchmark for complete integrated AV solutions, all of which can be controlled easily via either IP, Infra-Red and RS232

Extensive features include: RS232 control of the displays through the same CAT5e-8 cable; IR pass-through together with unique 'plasma-friendly' eyes provide a reliable and cost effective control of source devices

The inclusion of Smart-e's new command protocol allows full control of the matrix, including EDID settings and muting inputs or outputs via RS232. Compact 2U 19" rack mounting chassis makes for ease of installation with optional upgrade to SmartiP (extra 1U).

The Smart-e S4K-8x8 features

- HDMI, DVI & DisplayPort formats
- HDCP 2.0 & HDMI 1.4 compliant
- Individual IR control from each display
- HDMI inputs with Cat 6 STP outputs
- Resolutions up to 4096 x 2160 @30 Hz
- 1080p and 3D compatible
- EDID management—presets & learning
- Supports Deep Colour (30 & 36 bit)
- RS232 control and pass-through
- Front panel display and control
- IP control
- Compact 2U 19" rack mounting
- Optional SmartiP upgrade
- Up to 100 metres of CAT 5e-8 cable
- 3 year warranty
- De-embedded audio output
- 48V POH of receivers (remote power)
- Local HDMI output
- Optional audio embedding on input
- CEC compliant
- Data rate of 340MHz
- 6.75Gbps overall bandwidth
- Ethernet passthrough to receivers

The 4Konnnect range from Smart-e is a family of 4K resolution Digital HDMI/HDBaseT products ranging from extenders, splitters and matrices for distance up to 100m of cabling



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Video

Signal Types	HDMI, DVI, DP++, HDBaseT, 3G-SDI
Formats	1080p @60Hz with 10 & 12 bit Deep Colour, 3D, 4K, 2K & DVI. HDCP compliant, PC up to WUXGA., Analogue RGBHV, YPrPb, Y/C, PAL or NTSC
Content Protection	HDCP V2.0
Connector	HDMI Type A, RJ45, HD15, BNC
Cable Types	CAT 5e, CAT 6/6e, CAT 7, STP, FTP
TV resolutions PC resolutions	480, 576, 720, 1080 p @ 60Hz 640x480 through to 1920x1200

Audio & Power

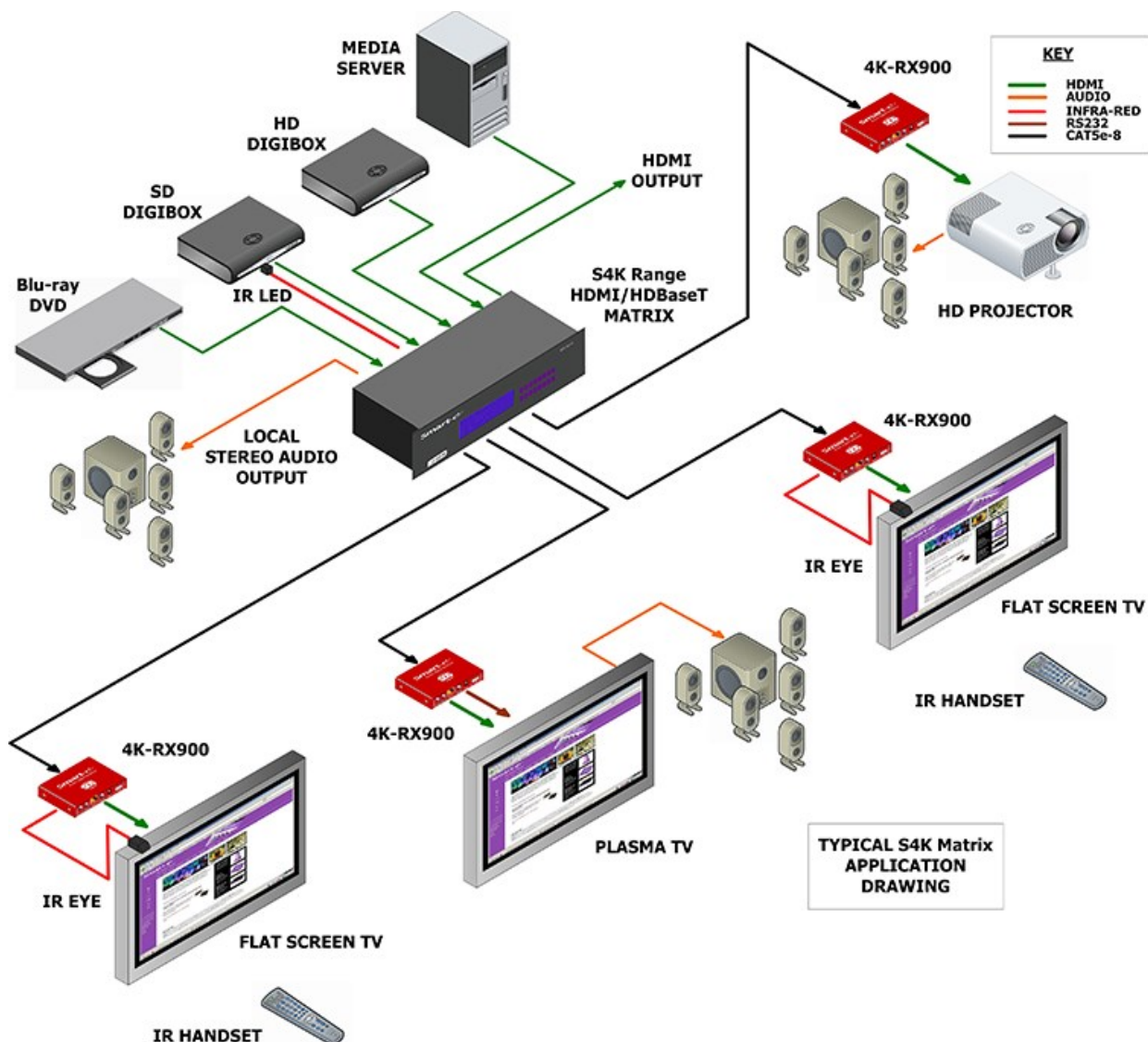
Types	Embedded audio
Digital Formats	Dolby Digital®, Dolby Digital EX, Dolby Digital Plus, Dolby® TrueHD, DTS®, DTS-ES, DTS 96/24, DTS-HD High Res, DTS-HD Master Audio™
Voltage	110-240 AC 50/60 Hz
Connector	IEC
Fuse rating	1 AT
Power	100W

Dimensions

Height	2U
Width	19" rack mounting
Depth	484mm
Weight	3.75Kg

Control

IP	TCP/IP
IR signal	30-50Hz
RS232	19200 bps
RS232 connector	Sub-miniature D9 socket





Smart Digital Solutions **SDS-RX900**

The SDS-RX900 is the HDbaseT 100m receiver unit for the SDS series of matrices. The receivers converts the Cat 5e-8 signals back to HDMI, IR and RS232. Remote power is provided by the matrix so no bulky external PSU is required.

The SDS-RX900 has holes conveniently placed on 2 adjacent sides allowing you to fix down your receiver wherever you need.



SDS-RX900 Specification

Video

Signal Types	HDMI, DVI, DisplayPort Multimode
Formats	HDMI w/Deep Color 3D, 4K, 2K
Content Protection	HDCP V1.2
Connector	HDMI Type A Female
Cable Types	CAT 5e, CAT 6/6e, CAT 7, STP, FTP
TV resolutions PC resolutions	480, 576, 720, 1080 p & i 640x480 through to 1920x1200

Audio

Types	Embedded audio in HDMI 5.1 extra audio channel
Digital Formats	Dolby Digital® Plus Dolby® TrueHD DTS-HD High Res DTS-HD Master Audio™, up to 8chPCM
Digital Connector	HDMI

CAT 5 signals

Pair 1	HDbaseT pair 1
Pair 2	HDbaseT pair 2
Pair 3	HDbaseT pair 3
Pair 4	HDbaseT pair 4

Power

Voltage	24V DC
Connector	2.1mm DC locking jack
Max. current	200mA per unit
Power	5Watts

Dimensions

Height	22mm
Width	110mm
Depth	90mm
Weight	100g

Control

IR signal	30-500kHz
IR connector	3.5mm jack socket
RS232 pass-through	<115Kbaud
CEC	Yes

S4K-8x8 Receiver (SDS-RX900)

