



Smart Digital Solutions **S4K-16x16**

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



The Smart-e S4K-16x16 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 4U 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 **S4K-16x16** is a professional flexible HDBaseT matrix capable of selecting between 16 different HDMI devices to 16 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 16 HDMI inputs to 16 remote displays located up to 100m of CAT 5e-8 STP cable using HDBaseT technology

The 4Konnnect **S4K-16x16** 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 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

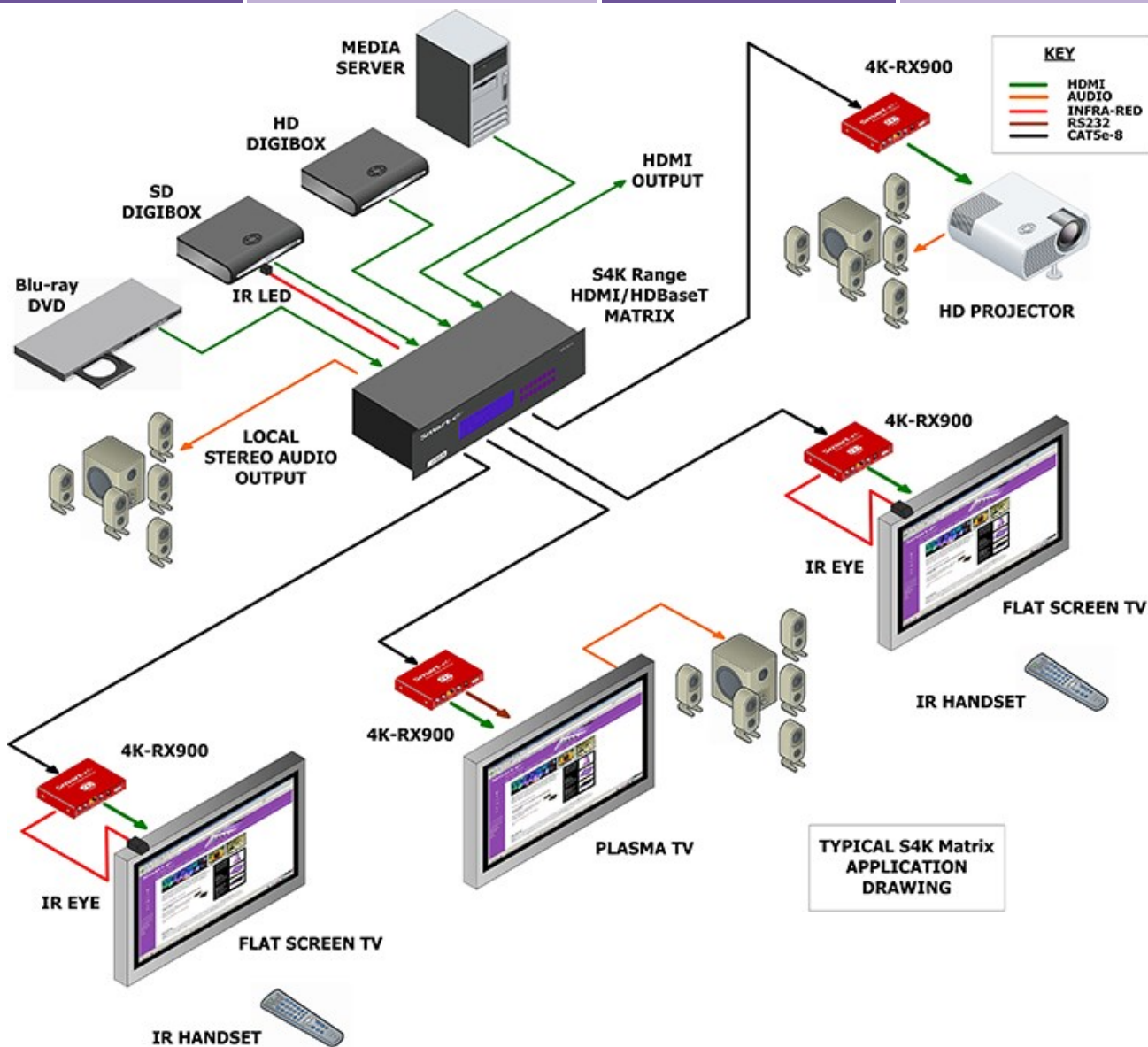
| | |
|-----------------|---|
| Types | Embedded audio |
| Digital Formats | Dolby Digital®, Dolby Digital EX, Dolby Digital Plus, Dolby® TrueHD, DTS®, DTS-ES, DTS 96/24, DTS-HD High Res, DTS-HD Master Audio™ |
| Voltage | 110-240 AC 50/60 Hz |
| Connector | IEC |
| Fuse rating | 1 AT |
| Power | 100W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

Dimensions

| | |
|--------|-------------------|
| Height | 4U |
| Width | 19" rack mounting |
| Depth | 484mm |
| Weight | 3575Kg |

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)

