



Smart Digital Solutions **4K-4x4-L**

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



The Smart Digital Solutions **4K-4x4-L** is a professional flexible HDBaseT matrix capable of selecting between 4 different HDMI devices to 4 HDMI displays located up to 70m from the unit. Flexible control options include front panel, infra-red, RS232 and IP.

Route and distribute up to 4 HDMI inputs to 4 remote displays located up to 70m of CAT 5e-8 STP cable using HDBaseT Lite technology

The Smart Digital Solutions **4K-4x4-L** 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 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: 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 1U 19" rack mounting chassis makes for ease of installation with optional upgrade to SmartIP (extra 1U).

The Smart-e 4K-4x4-L features

- HDMI 2.0
- HDCP 2.2 compliant
- IR control and pass-through
- HDMI inputs with Cat 6 STP outputs
- Resolutions up to 4K @60Hz 4:2:0
- 1080p and 3D compatible
- EDID management
- Supports Deep Colour (10 & 12 bit)
- RS232 control
- Front panel display and control
- IP control and integral Web Browser
- Compact 1U 19" rack mounting
- Optional SmartIP upgrade
- Up to 70 metres of CAT 5e-8 cable
- 3 year warranty
- De-embedded S/P DIF on O/P
- IR control of the displays
- RS232 control of the displays
- De-embedded analogue audio on O/P



The SDS range from Smart-e is a family of Digital HDMI / HDBaseT products ranging from extenders, splitters and matrices for distance up to 70m of cabling



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Video

Signal Types	HDMI, DVI, DP++, HDBaseT,
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 V2.2
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

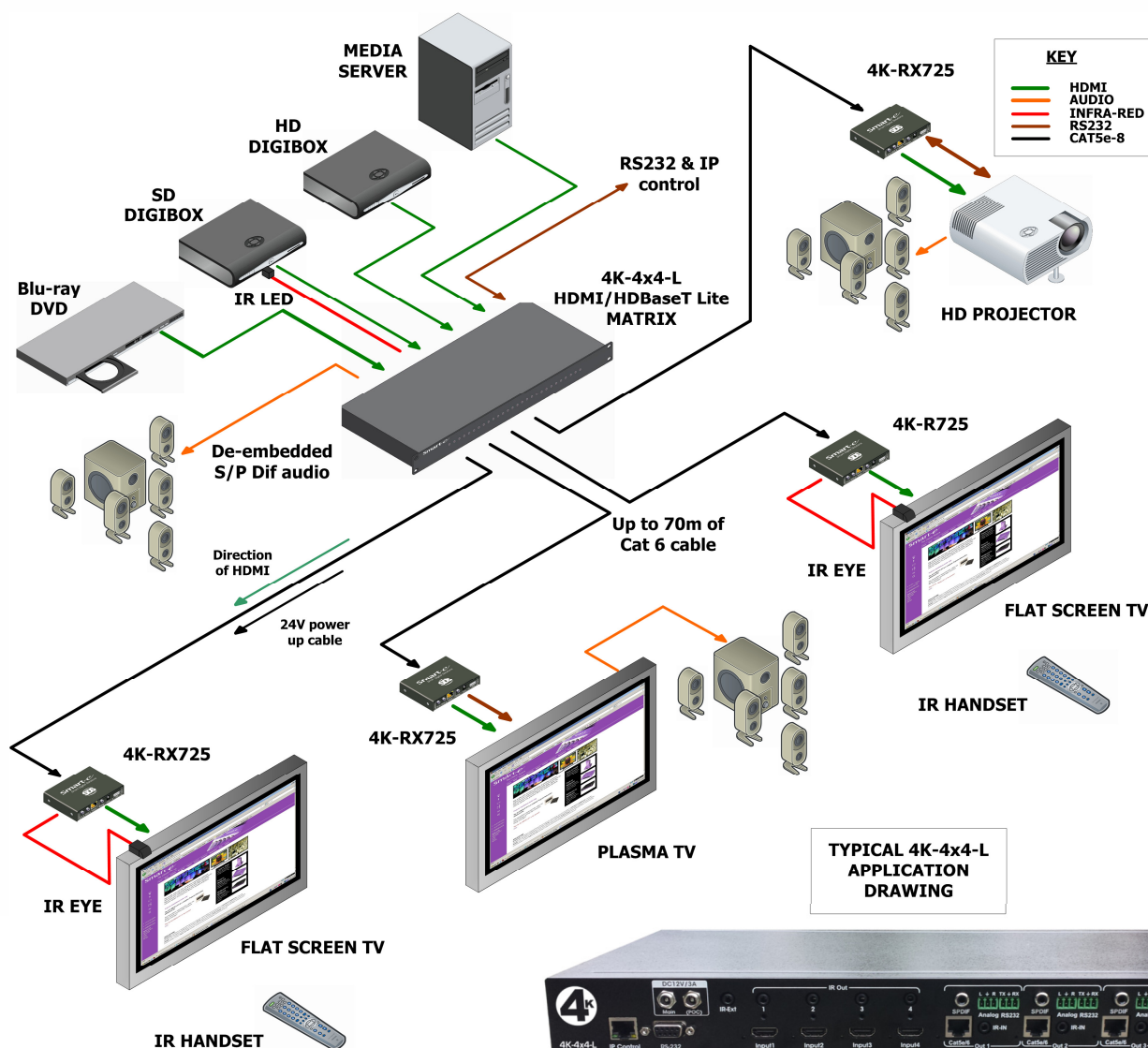
Types	Embedded audio
Digital Formats	Dolby Digital®, Dolby Digital EX, Dolby Digital Plus, Dolby® TrueHD, DTS®, DTS-ES, DTS 96/24, DTS-HD High Res, DTS-HD Master Audio™
Voltage	110-240 AC 50/60 Hz
Connector	IEC
Fuse rating	1 AT
Power	100W

Dimensions

Height	1U
Width	19" rack mounting
Depth	484mm
Weight	14.4Kg

Control

IP	TCP/IP
IR signal	30-50Hz
RS232	57600 bps
RS232 connector	Sub-miniature D9 socket



TYPICAL 4K-4x4-L APPLICATION DRAWING



Smart Digital Solutions 4K-RX725

The 4K-RX725 is the HDBaseT 70m receiver unit for the 4K series of matrices. The receiver converts the Cat 5e-8 signals back to HDMI, IR and RS232. Power Over Cable (POC) is standard for 24V

The 4K-RX725 comes with small mounting brackets allowing you to fix down your receiver wherever you need.



Video

Signal Types	HDMI, DVI, DisplayPort Multimode
Formats	HDMI w/Deep Color 3D, 4K, 2K
Content Protection	HDCP V2.2 transparent
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, 4K, 2K 640x480 through to 1920x1200

Audio

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

Dimensions

Height	18mm
Width	115mm
Depth	65mm
Weight	0.5Kg

Power

Voltage	24Vdc
Connector	2.5mm DC locking
Max. current	100mA
Power	4Watts RX, 2Watts TX

Control

Ethernet	N/A
Ethernet connector	N/A
DDC/EDID/CEC	Transparent
DDC/EDID connector	HDMI

Control

IR signal	30-125kHz
IR connector	3.5mm jack socket
RS232	Pass through to 115Kbaud
RS232 connector	3 pin screw lock

4K-710 panel drawings

