



KVM Extender Solution

SMART CCTV, AV, NETWORK CABLING SYSTEM SOLUTION

KVM Transmission

- KVM Extender over CAT5e/6
- KVM Extender over Fiber Optics
- KVM Matrix over IP
- USB/Keyboard Mouse over CAT5e/6

HDMI with Keyboard Mouse CAT5e/6 Extender

HKM01E

1080p HDMI & USB Keyboard Mouse CAT5e Extender 150M

HKM01E HDMI & USB Keyboard Mouse CAT5e Extender

To extend HDMI and USB keyboard mouse signals over one CAT5e cable.

- Transmitter built-in HDMI loop out.
- Receiver unit built-in USB port x 2 for keyboard and mouse.
- Option model: SR01 signal repeater for longer distance application.

【Specification】

Cable: CAT5e UTP or higher

Max transmission distance: 150M(CAT5e), 160M (CAT6)

Max supported resolution: 1920x1080 60Hz



HDMI with USB 2.0 built in Audio Embedded/Extractor CAT5e/6 Extender

HKM01-4K	4K HDMI USB/Audio/RS232/IR CAT5e KVM Extender 140M
----------	--

HKM01-4K 4K HDMI USB/Audio/RS232/IR CAT5e KVM Extender

To extend HDMI, RS232, IR and USB analog audio signals over one CAT5e cable.

- Transmitter unit Built-in HDMI loop out.
- Receiver unit built-in USB 2.0 port x 4 for extending USB peripheral device.
- HDMI 1.4b and HDCP compliant.
- Support Bi-Directional analog audio transmission, and one directional IR transmission.
- Support SFP for longer distance.

【Specification】

Cable: CAT5e UTP or higher

Max transmission distance: 120M(CAT5e), 140M (CAT6)

Max supported resolution: 4K 30Hz

Audio format: up to LPCM7.1@192KHz.



HKM01T-4K

HKM01R-4K



DisplayPort with USB 2.0 CAT5e Extender

DP02U	4K DisplayPort KVM with USB CAT5e Extender 150M
-------	---

DP02U DisplayPort USB/RS232 CAT5e KVM Extender

To extend DisplayPort signal with USB/RS232 over one CAT5e cable.

- Uncompressed high definition video up to 4K UHD.

【Specification】

Resolution: up to 4K 30Hz 4:4:4

Max transmission distance: 100M(4K),150M(1080p)

Audio support: LPCM7.1@192KHz, Dolby TrueHD, DTS-HD MA.

Compliance: DP 1.2a, HDCP



VGA KVM with Keyboard Mouse CAT5e Extender

VKM02	Passive VGA Keyboard Mouse CAT5e Extender - USB Interface
VKM04	VGA KVM & USB, RS232 with Stereo Audio, IR CAT5e Extender 140M

VKM02 Passive VGA Keyboard Mouse CAT5e Extender

To extend VGA and keyboard mouse over 2 CAT5e UTP cable.

- Transmitter unit built-in virtual DDC to avoid improperly setting at resolution and frequency.
- Transmitter unit built-in sync mode selection for signal stability.
- Receiver unit built-in sync filter level adjustment for signal stability.
- Passive device, not support VGA DDC protocol.

【Specification】

Cable: CAT5e or higher

Max Resolution: up to 1280x1024

Max transmission distance: up to 100M at 800x600



VKM02T

VKM02R

VKM04 VGA USB/Audio/RS232/IR CAT5e KVM Extender

To extend VGA, stereo audio, RS232, IR and USB signals over one CAT5e cable.

- Transmitter unit built-in VGA loop out for local display.
- Receiver unit built-in USB 2.0 port x 4 for extending USB peripheral device.
- Support Bi-directional analog audio, RS232 extension.
- Support IR one directional extension
- Support EDID management.
- Plug and play for easy operation.

【Specification】

Resolution: up to 1920x1200 60Hz

Max transmission distance: 140M (CAT6) 120M (CAT5e)

Optional model: SR01, IR-CR01



VKM04T

VKM04R



DVI with USB 2.0 CAT5e Extender

DKM01

DVI KVM & USB, RS232/Analog Audio CAT5e Extender 140M

DKM01 DVI USB/Audio/RS232 CAT5e KVM Extender

To extend DVI, USB, RS232, and audio signals over one CAT5e cable.

- Transmitter unit built-in DVI loop out for local display.
- Receiver unit built-in 4 port USB for extending USB peripheral device.
- Support Bi-directional analog audio, RS232 extension.
- Support EDID management.

【Specification】

Resolution: up to 1920x1200 60Hz

Max transmission distance: 140M(CAT6) 120M(CAT5e)

Compliance: HDMI 1.4, HDCP

Optional model: SR01



DKM01T

DKM01R

A man in a checkered shirt is working on a server rack in a dimly lit room. He is holding a fiber optic cable and appears to be connecting it to a port on the rack. The scene is dark, with the primary light source coming from the server rack, highlighting the man's face and the equipment. The text "KVM Extender over Fiber" is overlaid in a bright green color across the center of the image.

KVM Extender over Fiber

HDMI with USB Keyboard Mouse over Fiber Optic Extender

HE01F-4K6G-KS	4K60Hz HDMI & USB/IR/RS232 KVM Fiber Optic Extender include 2 x SFP+ 10G 2KM Single Mode Fiber
HE01F-4K6G-KM	4K60Hz HDMI & USB/IR/RS232 KVM Fiber Optic Extender include 2 x SFP+ 10G 300M Multimode Fiber Module



HE01F-4K6G 4K 60Hz HDMI & IR/RS232/USB Fiber Extender

To extend 4K 60Hz HDMI signal with IR/RS232/USB over fiber optic.

- Support HDMI 2.0/HDCP 2.2.
- IR/RS232/USB function selection.
- Support USB keyboard mouse.
- Support Bi-directional IR, Bi-directional RS232

【Specification】

Module: SFP+10 Gbps Module

Max transmission distance: 60 KM

Max supported resolution: 4K 60Hz 4:4:4 8 bit HDR

Audio format: up to LPCM7.1@192KHz. Dolby TrueHD



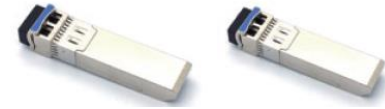
HE01FT-4K6G

HE01FR-4K6G



HDMI & USB 2.0 with IR/RS232/Audio over Fiber Optic Extender

HKM01-4K-KS	4K30Hz HDMI USB/Audio/RS232/IR Fiber Extender include 2 x SFP 20KM Single Mode Fiber Module
HKM01-4K-KM	4K30Hz HDMI USB/Audio/RS232/IR Fiber Extender include 2 x SFP 550M Multimode Fiber Module



HKM01-4K 4K HDMI USB/Audio/RS232/IR CAT5e KVM Extender

To extend HDMI, RS232, IR and USB analog audio signals over one CAT5e cable.

- Transmitter unit Built-in HDMI loop out.
- Receiver unit built-in USB 2.0 port x 4 for extending USB peripheral device.
- HDMI 1.4b and HDCP compliant.
- Support Bi-Directional analog audio transmission, and one directional IR transmission.
- Support SFP for longer distance.



HKM01T-4K

HKM01R-4K



A man in a checkered shirt is shown in profile, working on a server rack. He is holding a black cable and appears to be connecting it to one of the many ports on the server. The scene is dimly lit, with the primary light source coming from the server rack itself, creating a focused and technical atmosphere. The text 'KVM Matrix over a LAN' is overlaid in a bright green color across the center of the image.

KVM Matrix over a LAN

HDMI/DVI/VGA KVM Matrix over IP with Video Wall

HKM02BPT-4K 4K HDMI KVM & USB, RS232 , IR, Audio Transmitter with PoE

HKM02BPR-4K 4K HDMI KVM & USB, RS232 , IR, Audio Receiver with PoE

HKM02BT-4K 4K HDMI KVM & USB, RS232 , IR, Audio Transmitter

HKM02BR-4K 4K HDMI KVM & USB, RS232 , IR, Audio Receiver

- Transmitter built-in HDMI loop out

【Specification】

Cable: CAT5e UTP or higher or SFP optical fiber

Resolution: up to 4K 30Hz 4:4:4 (Max)



HKM02BPR-4K
HKM02BR-4K

HKM02BPT-4K
HKM02BT-4K

HKM02BT 1080p HDMI KVM & USB, RS232 , IR, Audio Transmitter

HKM02BR 1080p HDMI KVM & USB, RS232 , IR, Audio Receiver

- Transmitter built-in HDMI loop Out

【Specification】

Cable: CAT5e UTP or higher

Resolution: up to 1080p 60Hz (Max)



HKM02BT

HKM02BR

VDKM02BT VGA/DVI KVM & USB, RS232 , IR, Audio Transmitter

VDKM02BR VGA/DVI KVM & USB, RS232 , IR, Audio Receiver

- Transmitter built-in both DVI and VGA loop out
- Receiver support DVI & VGA output at the same time.

【Specification】

Cable: CAT5e UTP or higher

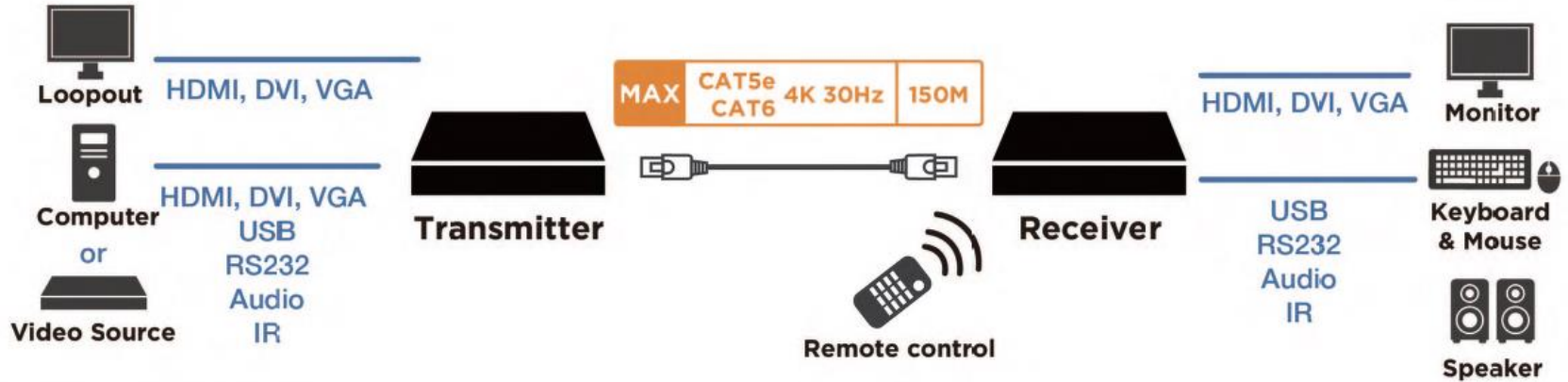
Resolution: up to 1920x1200 60Hz (Max)



VDKM02BT

VDKM02BR

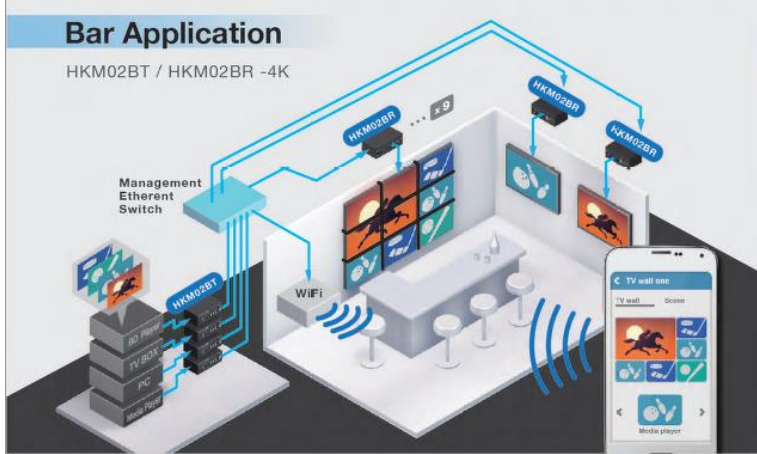
Point to Point Extender, transmit Video, USB, BI-directional RS232/Audio/IR over CAT5e/6



Multiple sources to multiple displays with Matrix Switching and Video Wall over a Lan

Bar Application

HKM02BT / HKM02BR -4K



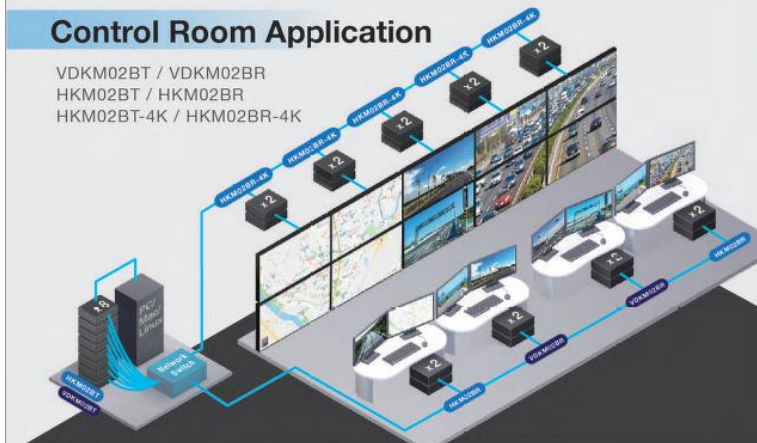
Department store Application

HKM02BT / HKM02BR -4K



Control Room Application

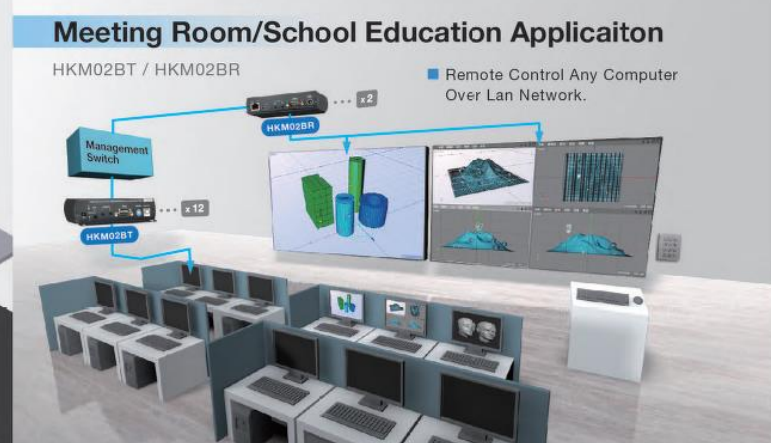
VDKM02BT / VDKM02BR
HKM02BT / HKM02BR
HKM02BT-4K / HKM02BR-4K



Meeting Room/School Education Application

HKM02BT / HKM02BR

■ Remote Control Any Computer Over Lan Network.



Multiple Controls



APP



PC Software



IR



RS232



Keypad



**Telnet API
Command**



**Console Box
Control**



**Front Panel
Button**

Case Studies



A man in a dark room is shown in profile, focused on connecting a cable to a server rack. The scene is dimly lit, with the primary light source coming from the server rack itself, which has several horizontal slots and ports. The man is wearing a dark, patterned shirt. The overall atmosphere is technical and professional.

USB/Key Board Mouse Extender

Keyboard Mouse Extender

KM03

USB Keyboard & Mouse CAT5e Extender 600 meters

KM03 Keyboard & Mouse CAT5e Extender

To extend keyboard and mouse signals over one CAT5e UTP cable.

- Only receiver unit needs power supply
- Transmission distance less than 30M, no power required for both side.
- Built-in LED indication.

【Specification】

Max transmission distance: 600M

Compliance: USB1.1



USB 1.1 CAT5e/6 Extender

UE01

USB 1.1 CAT5e Extender 1 Port, up to 70 meters over CAT5e (Passive Type)

UE01 USB 1.1 CAT5e Extender - Single Port - 70M

Extend one USB device over CAT5e cable.

- Transmission distance less than 50M, there is power supply required for both side.
- Transmission distance more than 50M, external power adapter is required at transmitter unit.

【Specification】

Max transmission distance: 300M(low-speed), 70M(full-speed)

Compliance: USB1.1



UE01T

UE01R

USB 2.0 CAT5e/6 Extender

UE02H	USB 2.0 CAT5e Extender with 4 Port Hub 140M
UE03	USB 2.0 CAT5e Extender with 4 Port Hub 60M

UE02H USB 2.0 CAT5e Extender - 4 Port USB Hub - 140M

To extend 4 USB devices signals over CAT5e cable.

- Receiver unit is 4-port USB hub
- Supports USB 2.0 devices such as: flash drive, hard drive, keyboard, mouse, camera, printer etc.
- Plug and play for easy operation.

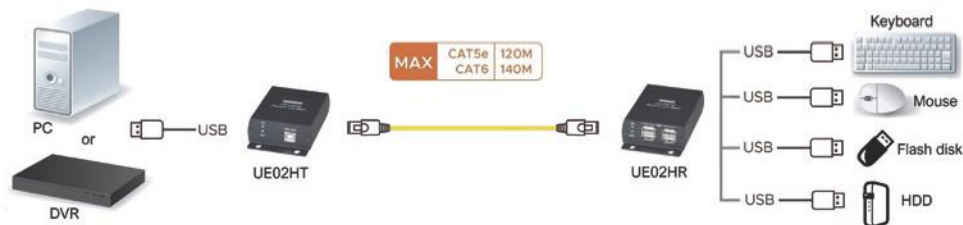
【Specification】

Max transmission distance: 140M(CAT6),120M(CAT5e)

Compliance: USB2.0, 1.1, 1.0

Bandwidth: 120Mbps

Optional model: SR01 signal repeater for longer distance application.



UE03 USB 2.0 Fast CAT5e Extender - 4 Port USB Hub - 60M

To extend 4 USB devices signal at Hi-speed (480Mbps) over CAT5e cable.

- Supports USB 2.0 high-speed and USB 1.1 (low-speed, full speed) devices.
- Receiver unit is 4-port USB hub
- Supports USB 2.0 devices such as USB camera, printer, scanner, USB Ethernet/VGA/HDMI adapter, mass storage device, keyboard, mouse, etc.

【Specification】

Max transmission distance:60M

Compliance: USB2.0, 1.1, 1.0

Bandwidth: up to 480Mbps





Thank You

www.sct.com.tw

service@sct.com.tw

(02) 2218-6886