



Image Example: KT-6938L & KT-6938R (only 1x SFP with KT-6937L & KT-6937R)

Ultra-Low Latency

Supports DP 1.3 sources

Fanless & Space-Saving Design

Redundancy for Failsafe Operation

Point-to-Point to Matrix Applications

Mix and Match with Full HD Series

Ultimate Video Quality

incl. HDR Option (RGB 4:4:4)

With the Media4Kconnect series, DisplayPort 1.2 image signals with resolutions supported from 1920 x 1080 up to 4K 60Hz can be transmitted losslessly. Ultrawide monitors with 5K x 1.4K/2K are equally supported. In addition, other peripherals can be connected via USB, RS232 and audio. The Media4Kconnect can be used in simple point-to-point operations as well as in a network with several devices via L3 IP 10G network switch as a KVM matrix system. For matrix switching the **Switching Manager** is required. The Switching Manager allows easy configuration from a central location and takes care of authentication, connection management as well as administration/monitoring of the system architecture.

#### **Redundant and lossless Transmission**

Using both 10G interfaces, it is optionally possible to transmit the UHD image sig-

nal completely uncompressed and with 10-bit color depth including HDR support. If one link fails, the system does not fail completely, but rather uses the second link as a backup and continues to transmit in almost the same quality, but in a compressed manner. If uncompressed transmission is not required, both link interfaces operate as true redundancy with almost seamless redundancy switching.

#### **KVM Matrix Mixed Operation of 4K and Full HD**

As an option, the Media4Kconnect offers a simultaneous downscaling function for KVM matrix mixed operation with Full HD series extenders. Full HD source signals can be displayed via the Media4Kconnect receivers. Also 4K sources can be sent to Full HD receivers in simultaneously downscaled format to be displayed on Full HD monitors in matrix applications. The 4K

image is transmitted downscaled parallel to the native stream and can be operated with the mouse and keyboard.

#### **Ergonomic Workplaces**





The fanless design of both the transmitter and the receiver enables silent use even in highly sensitive workplaces such as recording studios, editing suites, broadcast studios, event areas (theater stage projection, etc.) or even control rooms.

#### **Multi-Console Workplaces**

When using the **Switching Manager**, the Mouse Glide and Switch function offers the possibility of controlling multiple workstations with only one mouse and keyboard. This reduces the amount of peripherals at the workplace and makes cable management easier.

## **PRODUCT FEATURES**

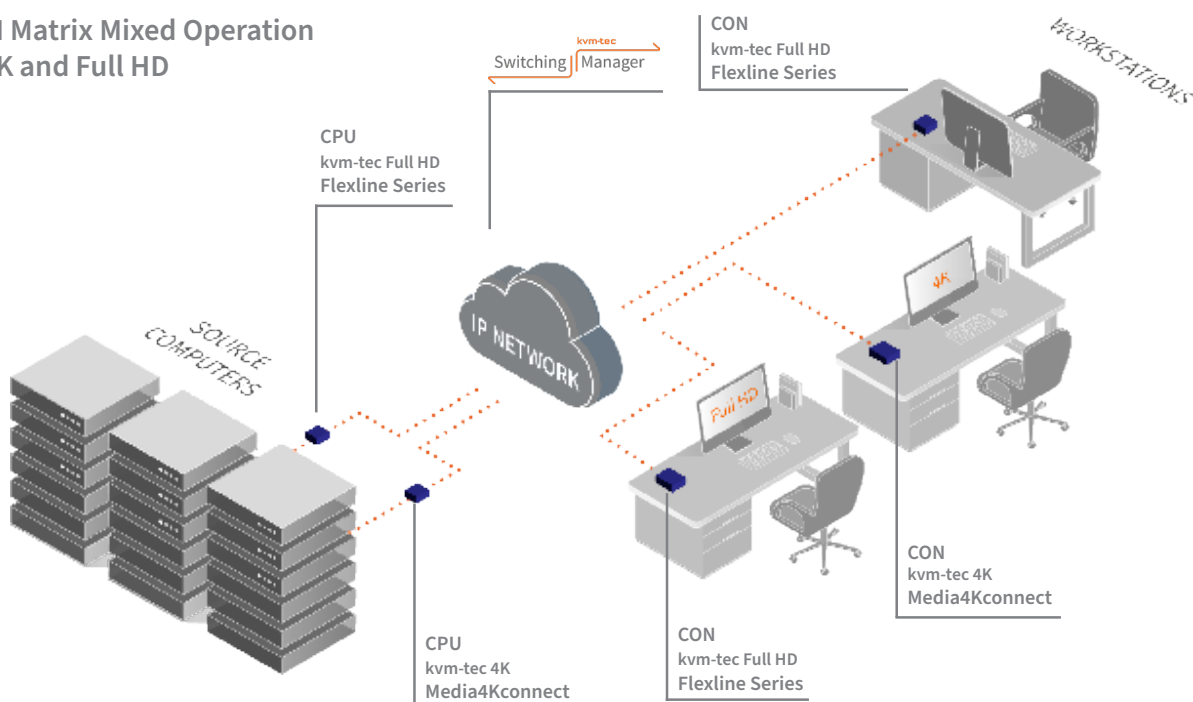
- Supported resolution from 1920 x 1080 up to 4096 x 2160 @ 60 Hz / Ultra-Widescreen 5120 x 1440 @ 60 Hz
- USB keyboard and mouse support
- USB 2.0 transmission incl. device class filtering for USB storage devices
- RS232, Analog Bi-Di Audio, embedded digital L-PCM Stereo Audio

	Media4Kconnect		Media4Kconnect PRO	
Part-No.	 KT-6937L Image Example: only 1x SFP with KT-6937L & KT-6937R	 KT-6937R	 KT-6938L	 KT-6938R
Video Interface	CPU: In 1 x DP 1.3	CON: Out 1 x DP 1.2	CPU: In 1 x DP 1.3	CON: Out 1 x DP 1.2
Supported Resolution	1920 x 1080 up to 4096 x 2160/5120 x 1440 @ 60 Hz		1920 x 1080 up to 4096 x 2160/5120 x 1440 @ 60 Hz	
Digital L-PCM Stereo Audio embedded	16 bit, 44 kHz, 2 ch		16 bit, 44 kHz, 2 ch	
Analog Bi-Di Stereo Audio	CPU: 1 x Input & 1x Output (3.5 mm jack)	CON: 1 x Input & 1 x Output (3.5 mm jack)	CPU: 1 x Input & 1x Output (3.5 mm jack)	CON: 1 x Input & 1 x Output (3.5 mm jack)
USB Interface	CPU: 1 x USB-B	CON: 4 x USB-A	CPU: 1 x USB-B	CON: 4 x USB-A
Link	1 x SFP+ (2 x optional)		2 x SFP+	
Bandwidth	10 Gbit per Link		10 Gbit per Link	
Distance	300 m Multi-Mode		300 m Multi-Mode	
Power Supply	CPU: 2 x 12v V / 3 A Barrel Plug 2,1 mm	CON: 2 x 12v V / 3 A Barrel Plug 2,1 mm	CPU: 2 x 12v V / 3 A Barrel Plug 2,1 mm	CON: 2 x 12v V / 3 A Barrel Plug 2,1 mm
Power Redundancy	Yes		Yes	
RS232	1 x RJ12 connector		1 x RJ12 connector	
Point-to-point	optional, requires secondary PSU		optional, requires secondary PSU	
Matrix Switching (Layer 3)	Yes, requires L3 IP 10 G Network and Switching Manager		Yes, requires L3 IP 10 G Network and Switching Manager	
Uncompressed	optional		included	
Redundant	optional		included	
Simultaneous Downscaling	optional		included	
Dimesions	CPU: B108 x 43 x 107,5 mm; CON: B 109 x H43 x T184 mm		CPU: B108 x 43 x 107,5 mm; CON: B 109 x H43 x T184 mm	
Weight	CPU: 610 g, CON: 620 g		CPU: 610 g, CON: 620 g	

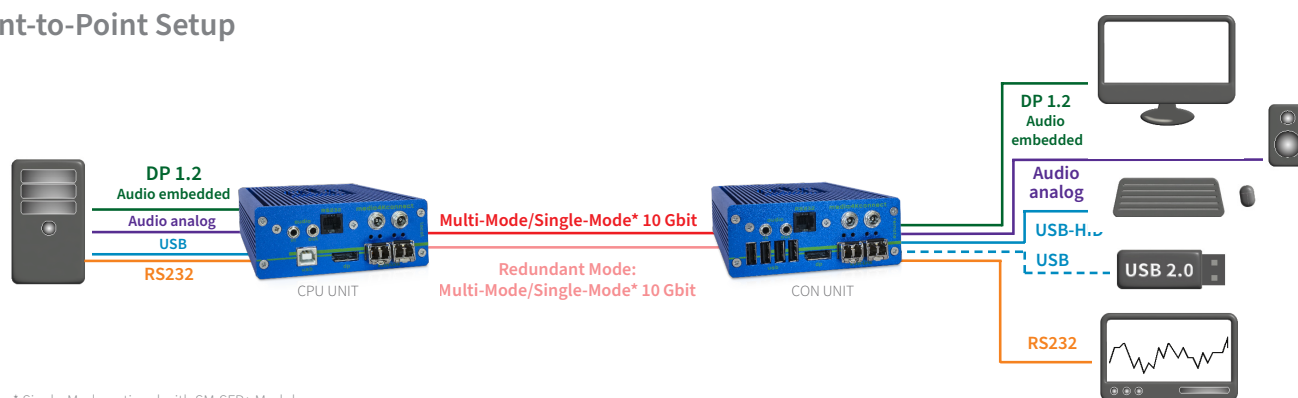
## UPGRADES

Upgrade Package for KT-6937R  
uncompressed - redundant - downscaling

KT-4023

KVM Matrix Mixed Operation  
of 4K and Full HD

## Point-to-Point Setup



\* Single-Mode optional with SM-SFP+ Moduls.

## Accessories

Under Table Mounting Kit (UMK)	KT-6231
19" Rack Mounting Kit (RMK) incl. front panel	KT-6237
19" Rack Mounting Kit (RMK) incl. front panel and power supply	KT-6238
19" Rack Mounting Kit (RMK) incl. front panel and red. power supply	KT-6239
DIN Rail Mounting power supply DN 40-12	KT-7070
DIN Rail Mounting power supply DN 100-12	KT-7080
Desktop power supply 12 V 3 A 2 pol.	KT-7052
Power cable IEC60320 C7 2-pole EU/US/GB/AU 1,8m	KT-7055EU/US/GB/AU
Desktop power supply 12 V 5 A without cold device plug - IEC60320 C13/C14, 2 pcs.	KT-7056
Desktop adapter power supply 12 V 3 A without cold device plug - IEC60320 C13/C14	KT-7030
Power cable Cold device plug - IEC60320 C13/C14 EU/US/GB/AU/IN 1,8 m	KT-7054EU/US/GB/AU/IN
DVI-D to DP converter active	KT-7083
Adapter cable RJ12 to RS232 male	KT-7095
Adapter cable RJ12 to RS232 female	KT-7096
SFP+ module 10G LC duplex multi-mode up to 300 m	KT-7013
SFP+ module 10G LC duplex single-mode up to 10 km	KT-7017
SFP+ module 10G Cat X up to 30 m	KT-7015
SFP+ module 10G Cat X up to 80 m	KT-7016