kvm-tec meida4Kconnect Extender Installation Guide

**meida4Kconnect Extender
Installation Guide**

media4Kconnect

- 6940 SET media4Kconnect 12G SDI
- 6940L CPU/Local media4Kconnect 12G SDI
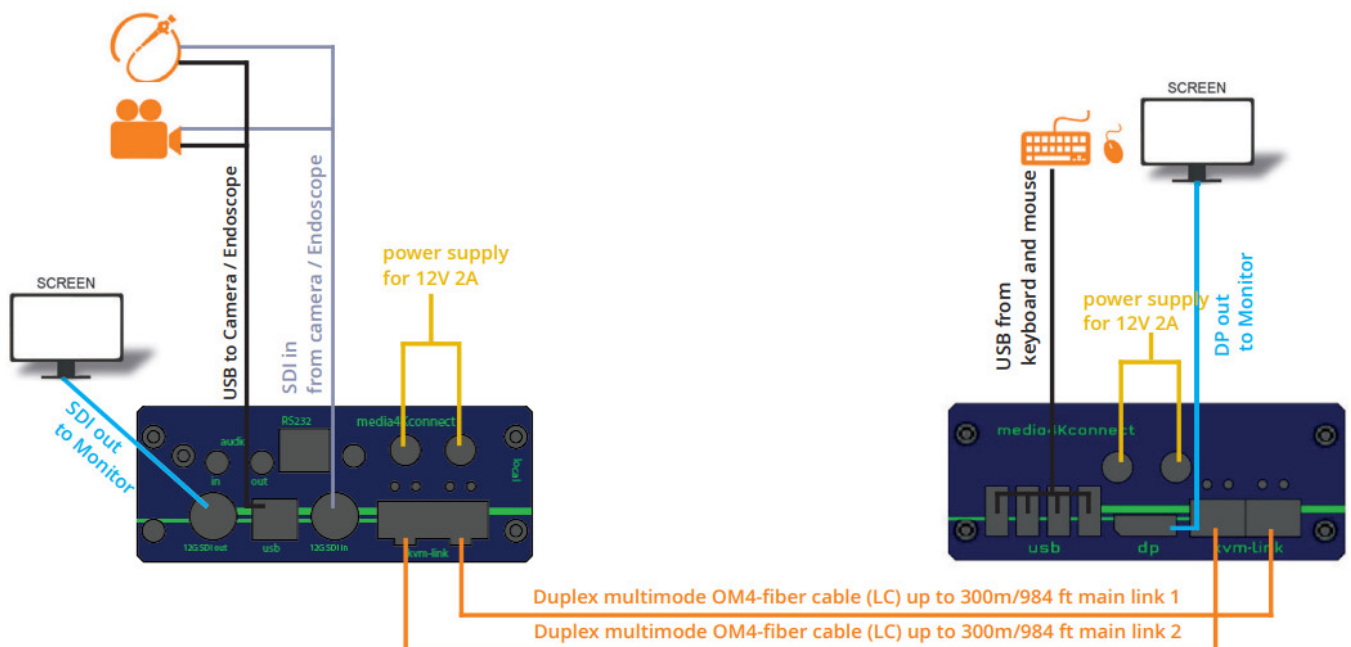
Contents

Delivery Content

LOCAL/CPU Unit

1. 1 x Media4Kconnect 12G SDI local (CPU)

2. 1 x 12VDC 2A power supply

3. 1 x BNC-BNC cable 2m/6.5ft

4. 1 x USB A-cable 1.8m/5.9ft

5. 1 x SFP+Multimode up to 300m/984ft alt. SFP Single Mode up to 10km/6.2mi

6. 4 x rubber feet

meida4Kconnect Extender

FIBERCABLE
Please also use an OM4 cable to have enough bandwidth

Labels in diagram:

- USB to Camera / Endoscope
- SDI in from camera / Endoscope
- power supply for 12V 2A
- SCREEN
- SDI out to Monitor
- RS232
- media4Kconnect
- audio in / out
- local
- 12G SDI out / usb / 12G SDI in
- kvm-link
- USB from keyboard and mouse
- power supply for 12V 2A
- DP out to Monitor
- SCREEN
- media4Kconnect
- usb / dp / kvm-link

Duplex multimode OM4-fiber cable (LC) up to 300m/984 ft main link 1
Duplex multimode OM4-fiber cable (LC) up to 300m/984 ft main link 2

1. Connect the CON/Remote and the CPU/Local Unit with the supplied 12V 2A power supply.
2. Now connect the USB cable to a USB socket of your PC and connect the other end of the USB cable to the Local Unit. Connect the keyboard and mouse to the Remote Unit.
3. Connect the Local and the Remote Unit with a network fi ber cable.
4. Connect the DP cable to the DP socket of the PC to the DP socket SDI/in of the Local device and connect the screen on the remote side with the DP cable.
   HAVE FUN – Your kvm-tec Extender is now in use for many years (MTBF approx. 10 years)!

MATRIX

4K VARIO

Full HD SYSTEM

Get the DUAL View 2

Simultaneous Downscaling from 4K to Full HD

In the Matrix vario system, the media4K local unit is the star
Because in the Matrix Vario system, a single local media4Kconnect unit is everybody's darling on the remote wishlist and two different resolutions can be displayed and edited simultaneously.

media4Kconnect remote

Flexline remote

Laptop mit gateway2GO

media4Kconnect local

switch

4K sources can be displayed simultaneously in 4K and with downscaling in Full HD on the remote unit. The output of the stream is done at 4K over 10G bandwidth. Two streams are transmitted simultaneously, so the 4K stream has 9 GBIT and the second stream in Full HD 1 Gbit.
The streams can be routed and shared independently and one source can be split to any number of screens. One user has full USB control (keyboard and mouse etc).

First Aid kvm-tec

No Power (No LED)

- Check the powerplug
- Is the power supply ok? Try another Unit.
- Try reprogramming the Unit by using a JTAG programmer
- Contact kvm-tec support

USB is not working

- Are the USB Devices plugged in correctly?
- Is the USB cable on the Local side plugged into the PC?
- Are the USB Devices working directly on the PC?
- Replace the USB cable from PC to the Local Extender
- Check if local and remote Unit have the same firmware
- Check if the local or the remote Unit is causing the problem by swaping first the local and than the remote Unit to another Unit
- Contact kvm-tec support

No video

- Check if all cables are plugged in correctly
- Check if the PC is sending a Image by plugging in a monitor on the local out of the local Unit
- Check if the DDC is set correctly (in menu under point „O")
- Check if both Units have the correct firmware
- Contact kvm-tec support

Video error (stripes in the picture)

- Check if all cables are plugged in correctly
- Check if the PC is sending a Image by plugging in a monitor on the local out of the local Unit
- Check if the DDC is set correctly (in the menu under point „o")
- Check if local and remote Unit have the correct firmware
- Check if the network switch is setup correctly and has enough bandwidth
- Check if other units have the same behaviour
- Contact kvm-tec support

We are here for you to answer your questions about installation?
Manual download **www.kvm-tec.com**
or kvm-tec Installationchannel on our homepage
personally +43 2253 81912

Documents / Resources

kvm-tec meida4Kconnect Extender [pdf] Installation Guide
meida4Kconnect Extender, meida4Kconnect, Extender

References

- 🌐 **[Kvm-tec.com: KVM Extender over IP - Matrix Switching Systeme](#)**

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