USB/VGA Extender User Manual

Model	Distance	Signals	Class
UKVM-100HDU	0—100m	USB, VGA	Industrial
UKVM-200HDU	0—200m	USB, VGA	Industrial
UKVM-300HDU	0—300m	USB, VGA	Industrial

Thank you for buying our products! And we always adhere to the principle of "Providing the best product and best service to our customers and your satisfaction is our success!"

And in order to use the product correctly, please make sure you read this instruction clearly.

Product Introduction:

This set of equipment includes a sender and a receiver, it can extend USB, VGA interfaces of computer up to 300meters through single CAT5 cable, so that user can control and use the computer remotely. And there's a VGA interface on sender part for local operation by user. Such being the case, user can put the computer in a safe place when apply the computer to a data service center, which is very convenient for maintenance and management, as well as enhancing the security of date.

It is widely used in date service center, industrial control, education, banks, enterprises, as well as for family purpose etc.

Specification:

Size: 110 mm X 90mm X 30mm
Weight: 1.5Kg
Extension distance: UKVM-100HDU   1－100m
                             UKVM-200HDU   1－200m

UKVM-300HDU   1－300m

Cable type   : Cat5e, Cat6 network cable
Resolution   :   Max 1920*1440
Video Support   :   VGA, SVGA, XGA, SXGA, UXGA
Video Standard   :   0.7Vpp
Connector Type   :   HDB15，RJ45，USB
USB   : For wired keyboard and mouse only
Keyboard Support: USB type keyboard
Mouse Support: USB type mouse
System Support: Windows，NT，Linux etc.
Power adaptor for sender   :   DC 9-12V/1A
Power adaptor fore receiver: DC 9-12V/1A
Protection against Lighting: 8KV(contact), 15KV(air)
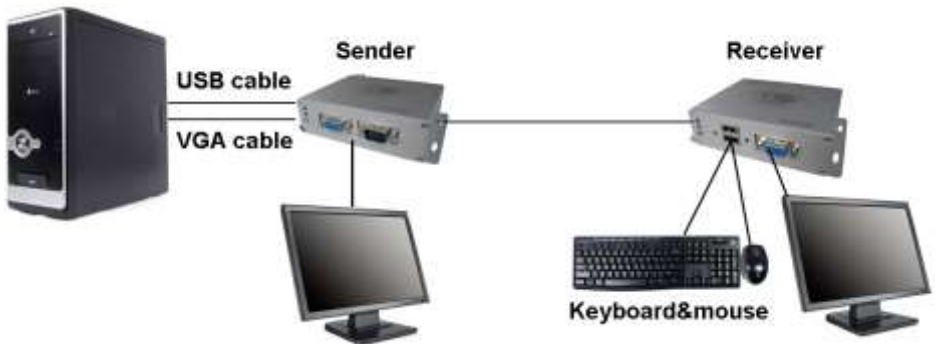MTBF   : over 30,000 hours

Packaging Instrucion:

When you open the packaging, please check the contents as the list bellow, if there's anything missing, please contact the reseller directly:

1，A sender
2，A receiver
3，DC 9V power adaptor 2pcs
4，VGA cable 1pc
5，USB cable 1 pc
6，User manual
7，Screwdriver 1pc
8，Warranty inside manual

Installation:

Installation map:

Installation steps:

All materials should be ready before installation, make sure the RJ45 plug meet 568B standard, refer to *Figure 1*:

1. orange-white
2. orange
3. green-white
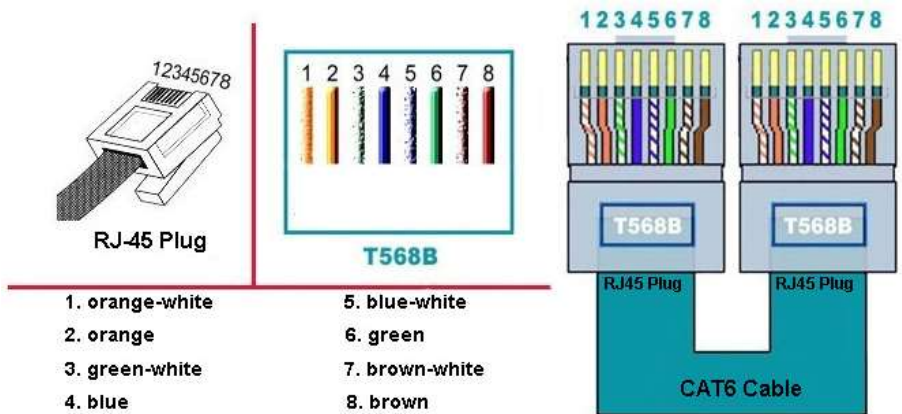4. blue
5. blue-white
6. green
7. brown-white
8. brown

Figure 1

Then switch off the power supply before installation and follow up the steps bellow:

1，Connect VGA interface of computer to "VGA IN" of sender with VGA link cable, and connect USB interfaces of computer and sender with USB link cable

2，If user needs a local monitor, then just connect the monitor to "VGA OUT" of sender, otherwise, do not connect them

3，Connect the sender and receiver with network cable

4，Connect the remote monitor to VGA interface of receiver, and then connect the USB type keyboard and mouse to USB interfaces of receiver

5，Install the power adaptor for both sender and receiver, and then connect 220v power supply.

6，Start the computer.

7，Adjust the "B" (for brightness) and "C" (clearness) port with screwdriver to get a better picture image,

LED indication:

1,Sender

Red LED：Power supply

Green LED：USB signal is normal when it is lighting on

Yellow LED: VGA signal is normal when it is lighting on

POWER：
1. OFF   : Power is off
2. Lighting   : Power on

LINK：
1. Lighting   : USB cable connected properly
2. OFF   : Sender and receiver is working properly
3. Blinking   : Mouse of receiver is working

VIDEO：
1. OFF   : No video input
2. ON   : Signals input is normal

2，Receiver

POWER：
1. OFF   : Power is off

2. Lighting   : Power on

LINK：

1.   Lighting: USB port is ready
2.   OFF: Sender and receiver is working properly
3.   Blinking: Mouse of receiver is working

VIDEO：

1.   OFF: No video input
2.   ON : Signals input is normal

U1、U2：

1.   OFF: no mouse or keyboard connected
2.   ON: Mouse or keyboard connected

<u>Trouble Shooting:</u>

S/N	Problems	Solution
1	No video output from sender	1，Check the specs and connection of power adaptor 2，Check VGA cables to PC, also check VGA cable of the monitor 3，Check resolution setting, if out of monitor supporting
2	No Video output from receiver	1，Check power status of sender and receiver 2，Adjust the Brightness and Contrast in receiver to fit the monitor 3，Check plug of network cable, if it is T568B and all wires are conductive

		4，Check resolution setting, if out of monitor supporting
3	Keyboard/mouse failed	1，Check conductive status of pin7 & pin8 of rj45 plug. 2，Pull and insert USB cable, restart the PC to try again

VII: Warranty

Thanks again for buying our product, and the product you bought enjoys lifetime warranty.

1，Our promise
- Provide repair and maintenance service free of charge for 1 year starts from your purchasing date if it is defectiveness of product itself.
- Provide lifetime repair service, it is not within this scope if user dismantles the equipment by themselves.
- If the damage is caused by un-proper use or by man-made reasons which is not quality problem, then it is not within the free repair service

2, Notes
- The device support PC & DVR, USB only support keyboard/mouse, does not support other USB devices.
- Network cable is not included in the packing; user has to purchase the standard pure copper cable with 568B standard for installation.