



VIVOTEK VLUSBCEXT150 USB-C KVM Extender over HDBT User Manual

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VLUSBCEXT150
USB-C KVM Extender over HDBT



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VLUSBCEXT150 USB-C KVM Extender over HDBT

Preface

Read this user manual carefully before using the product. Pictures are shown in this manual for reference only. Different models and specifications are subject to real product.

This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till October, 2019. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

Trademarks

Product model, Vivolink and its logo are trademarks of Vivolink. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without the prior written consent of Vivolink.

FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



SAFETY PRECAUTIONS

To ensure the best performance from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.

- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

Product Introduction

The VLUSBCEXT150 is an USB-C KVM Extender Kit that allows one USB channel to be transmitted over distances of up to 328ft(100m) at 4K@60Hz/1080p@60Hz via CATx cable.

The USB-C KVM Extender Kit includes one transmitter and one receiver. The transmitter features one USB-C input and one HDBT output. For the USB-C input, it provides an AV ideal interface for connecting to the Macbook or other device with SlimPort output. The receiver features one HDMI output, one HDBT input and 4 USB 2.0 ports for connecting with KVM device such as camera, keyboard and mouse.

1.1 Features

- Supports HDMI 2.0b, 4K@60Hz 4:4:4, HDCP 2.2 compliant.
- USB-C input supports 4K@60Hz 4:4:4.
- Supports to transmit 4K/1080p signal up to 328ft(100m).
- Supports bi-direction 24V PoC power supply.
- 4 USB 2.0 ports for connecting with KVM device.
- Micro-USB for firmware upgrade.

1.2 Package List

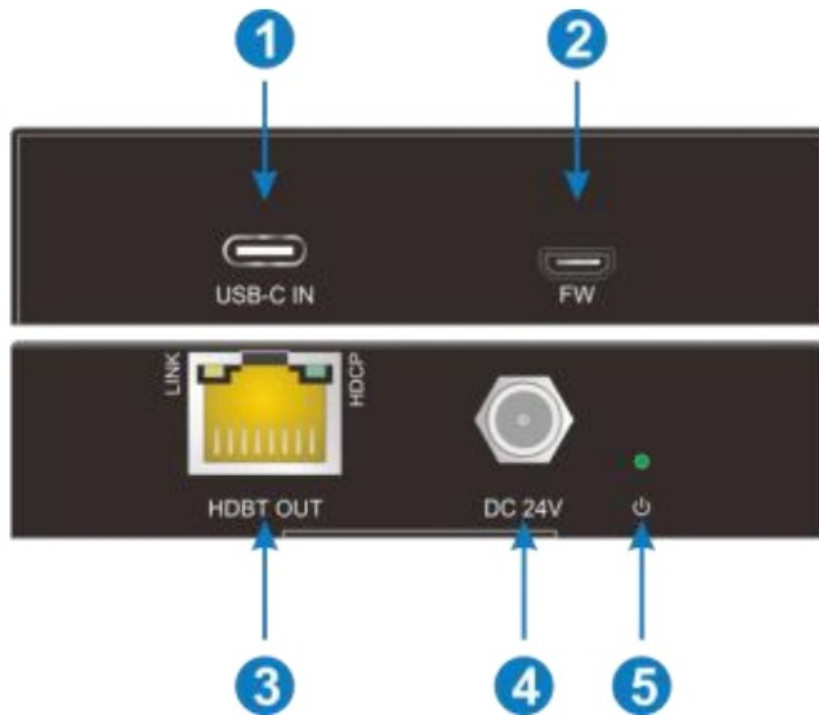
- 1 x Transmitter
- 1 x Receiver
- 1 x Power Adaptor (24VDC, 1.25A)
- 4 x Mounting Ears & 4 x Screws
- 1 x User Manual

Specification

	Transmitter	Receiver			
Video					
Input	(1)USB-C IN	(1)HDBT IN			
Input Connector	(1) Type-C	(1) RJ45			
Input Resolution	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4			
Output	(1) HDBT OUT	(1) HDMI OUT			
Output Connector	(1) RJ45	(1) Type-A female HDMI			
Output Resolution	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4			
Control					
Control Part	(4) DEVICE				
Control Connector	(3) Type-A USB 2.0 5V500mA Power Supply (1) Type-C USB 2.0 5V1A Power Supply				
General					
HDCP Version	Input: HDCP 2.2, HDCP 1.4 compliant Output:				
	1: c, , X OUT	TX IN HDCP 22	HDCP 1.4		NO HDCP
	HDCP 22	HDCP 22	NO IMAGE		NO IMAGE
	HDCP 1.4	HDCP 22	HDCP 1.4		NO IMAGE
	NO I-IDCP	NO I-IDCP	NO HDCP		NO HDCP
PoC	Supported bi-directional 24V PoC				
HDMI V2.0 Cable Length	4K@60Hz 4:4:4 s 5m, 4K@60Hz 4:2:0 s 15m, 1080P s 20m				
Transmission Distance	4K/1080p s 328 feet (100 meters)				
Operation Temperature	-5 to +55°C (+23°to +131°F)				
Storage Temperature	-25 to +70 t(-13°to +158°F)				
Relative Humidity	10% to 90%, Non condensing				
Power Supply	Input:100V-240V AC; Output:24V DC 1.25A				
Power Consumption	18.2 W				
Dimension (W*H*D)	90 x 21.7 x 120 mm	90 x 21.7 x 120 mm			
Net Weight	260g	265g			

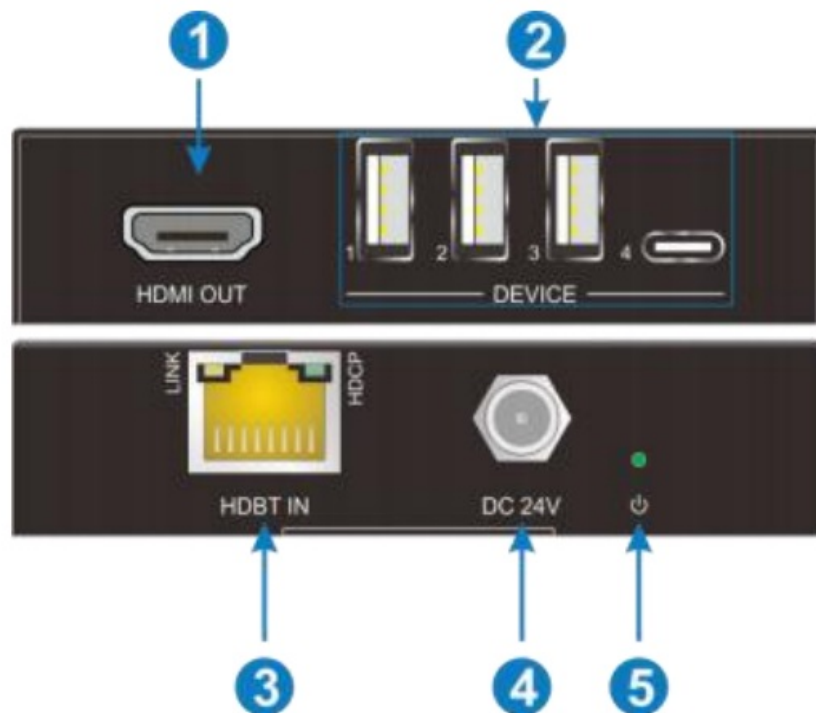
Panel Description

3.1 Transmitter



1. USB-C IN: Connects to the Macbook or other device with SlimPort output.
2. FW: Micro-USB for firmware upgrade.
3. HDBT OUT: Connects to the Macbook or other device with SlimPort output.
4. DC 24V: DC connector for the power adapter connection.
5. POWER LED: The LED illuminates green when the power is connected.

3.2 Receiver

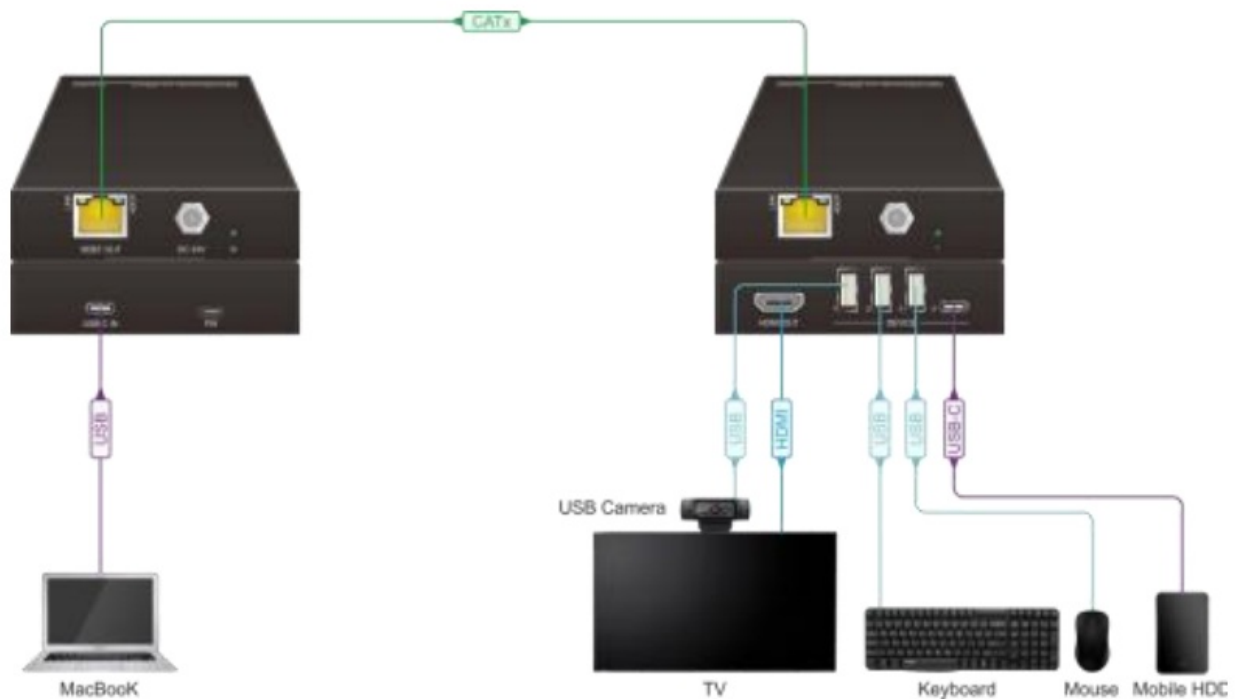


1. HDMI OUT: Connects to the HDMI display.
2. DEVICE: 4 USB 2.0 Ports for connecting KVM device.

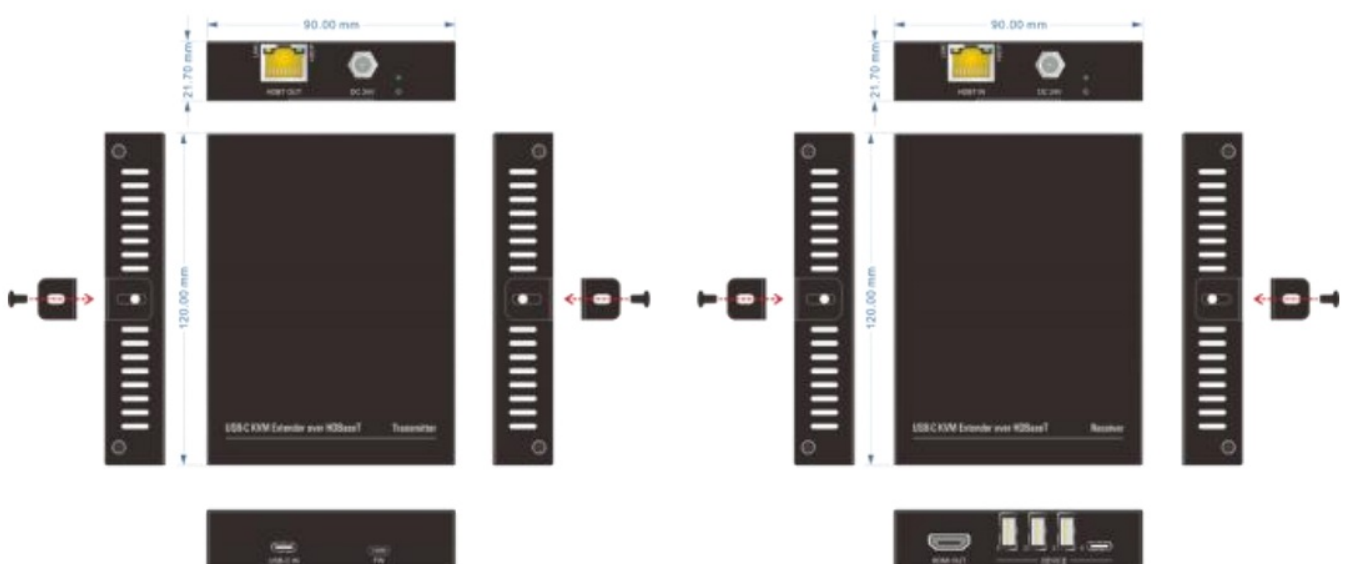
3. POWER LED: The LED illuminates green when the power is connected.
4. DC 24V: DC connector for the power adapter connection.
5. HDBT IN: Connects to the HDBT OUT port of the switcher by a CATx cable.

System Connection


The following diagram illustrates typical input and output connection that can be utilized with the switcher:



Panel Drawing



Documents / Resources

 The image shows the cover of the user manual for the VIVOTEK VLUSBCEXT150. It features the product name 'VLUSBCEXT150' at the top, followed by 'USB-C KVM Extender over HDBT'. Below this is a photograph of the device, a black rectangular unit with ports on the front. The VIVOTEK logo is prominently displayed in the center, and the text 'All Rights Reserved' is at the bottom.	<p>VIVOTEK VLUSBCEXT150 USB-C KVM Extender over HDBT [pdf] User Manual</p> <p>VLUSBCEXT150, USB-C KVM Extender over HDBT, VLUSBCEXT150 USB-C KVM Extender o ver HDBT</p>
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