

# USB 3.0 EXTENDER EU3



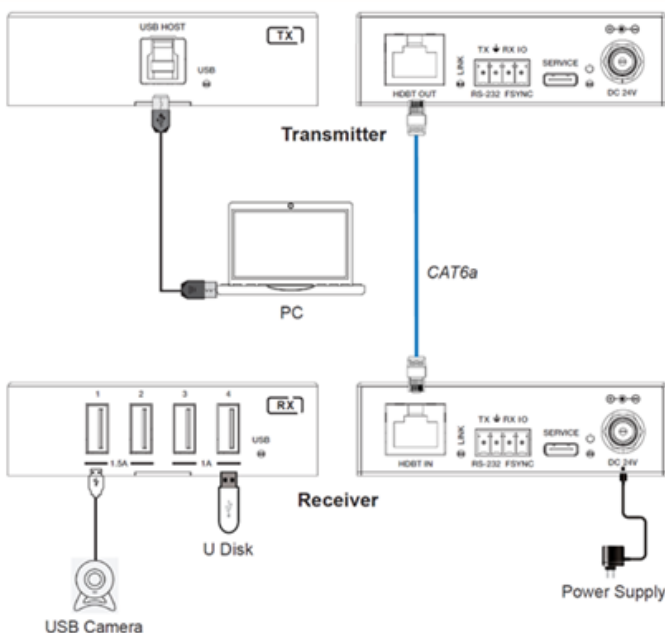
## FEATURES

The USB 3.0 Extender can extend USB signal to a distance up to 100m/328ft over a single CAT6a cable. Transmitter features with one USB 3.0 Type B input, one FSYSNC GPIO input and one RS-232 pass-through. Receiver features with four USB 3.0 Type A outputs, one FSYSNC GPIO output and one RS-232 pass-through. Bi-directional 24V PoC is also supported.

The product can be widely used for long distance signal transmission between a PC and USB devices.

- Extend USB 3.0 signal up to 100m/328ft over single CAT6a cable
- USB 3.0 connectivity with data transfer rate up to 5Gbps
- Backward compatible with USB 2.0 and 1.1
- USB-A port 1 and 2 support 5V/1.5, port 3 and 4 support 5V/1A on the receiver
- Support RS-232 pass-through and FSYSNC GPIO pass-through (for industry camera use)
- Support bi-directional 24V PoC
- Simple plug and play, no driver and setting installation required

## APPLICATION EXAMPLE



## SPECIFICATION

| Technical                      |                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------|
| USB Protocol                   | - USB 3.0                                                                                                              |
| Transmission Rate              | - Up to 5Gbps                                                                                                          |
| Transmission Distance          | - 100m/328ft over CAT6a (F/FTP) cable                                                                                  |
| Transmitter                    |                                                                                                                        |
| Control                        | - 1 x RS-232 [3pin-3.5mm Phoenix Connector]<br>- 1 x FSYSNC [1pin-3.5mm Phoenix Connector]<br>- 1 x USB-C (for update) |
| Receiver                       |                                                                                                                        |
| HDBT In                        | - 1 x RJ45 Female                                                                                                      |
| USB                            | - 4 x USB-A                                                                                                            |
| Control                        | - 1 x RS-232 [3pin-3.5mm Phoenix Connector]<br>- 1 x FSYSNC [1pin-3.5mm Phoenix Connector]<br>- 1 x USB-C (for update) |
| Power                          |                                                                                                                        |
| Power supply                   | - Input: AC 110-240V 50/60Hz<br>- Output: DC 24V/2A                                                                    |
| Power Consumption              | - 40W (max)                                                                                                            |
| General                        |                                                                                                                        |
| Physical Dimension (W x D x H) | - 85 x 100 x 25.5 mm (both transmitter & receiver)                                                                     |
| Weight                         | - 0.253kg (transmitter)<br>- 0.260kg (receiver)                                                                        |
| Housing                        | - Metal                                                                                                                |
| Operating Temperature          | - 0 - 40 °C                                                                                                            |
| Storage Temperature            | - -20 - 60 °C                                                                                                          |
| Relative Humidity              | - 20 - 90% RH (no condensation)                                                                                        |
| Safety                         |                                                                                                                        |
| ESD Protection                 | ESD Protection - IEC 61000-4-2<br>- Human body model - ±8KV (Air-gap discharge) & ±4KV (Contact discharge)             |