



DISPONÍVEL NA DEALER  
**CABO WT2030U**

**TESTADO** e  
implementado por  
vários **integradores** e  
parceiros da **Dealer!**

Fale conosco

#### **USB 3.0 MACHO/ UBS 3.0/ 2.0 FÊMEA**

- Taxa de transmissão: USB 2.0 - 480 Mbps e USB 3.0 - 5 Gbps;
- Tensão operacional 5V (requerido USB 3.0 para energia);
- Diâmetro por toda extensão de 3.7mm;
- Opções de comprimento: 10m/20m/30m/50m.



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## Contents

|   |                                 |           |
|---|---------------------------------|-----------|
| 1 | DESCRIPTION .....               | 3         |
| 2 | FEATURE.....                    | 3         |
| 3 | SPECIFICATION .....             | 4         |
| 4 | CABLE CONNECTIONS OVERVIEW..... | 5         |
| 5 | PART NUMBER .....               | 6         |
| 6 | CABLE DIMENSION.....            | 错误!未定义书签。 |
| 7 | APPLICATION.....                | 9         |



# 1 Description

In order to compensate for ordinary USB3.1 GEN1 active fiber cable' s defect that can' t supply power to device, EverPro introduce new generation of USB3.1 GEN1 hybrid cable (EPIUH21-A0A4). On the basis of the use of optical fiber as the transmission medium, EPIUH21 integrate copper to achieve the purpose of supplying power to device. The hybrid cable length can be up to 50m without adding any relay device which is suitable for the scene of having no on-site power supply. This production can meet the USB3.1 GEN1 spec. Its build-in unique SuperTT technology is capable of realizing mutual conversion between USB3.1 GEN1 and USB2.0 protocols, so as to enable USB2.0 equipment to share the super speed bandwidth (5Gbps) of USB3.1 GEN1. Using with USB hub, multiple USB2.0 equipment may exclusively share the peak bandwidth of 480Mbps.

# 2 Feature

- The maximum cable length can be up to 50m
- The maximum transition speed can be up to 5Gbps
- A substantial increase in USB2.0 device bandwidth with Build-in SuperTT technology
- Without power
- Providing maximum 900mA/5V for the device
- With locking screw holes
- Hot-plugging
- No driver
- Anti-jamming



# 3 Specification

## Transfer Rates

|             |          |
|-------------|----------|
| USB2.0      | 480 Mbps |
| USB3.1 GEN1 | 5 Gbps   |

## Physical Specification

|   |  |
|---|--|
| Host Side                                     | USB3.1 GEN1 Standard-A Plug  |
|   | USB2.0 Micro-B Receptacle,<br>Auxiliary power supply for device<br>with >2W power dissipation. |
| Device Side                                   | USB3.1 GEN1 Standard-A Receptacle<br>(with locking screw holes)                                |
| Dimension of The End                          | Host Side: 57mm/19mm/13mm  |
|   | Device Side: 82mm/26mm/14.5mm  |
| Net Weight (Type.)                            | 385g   |
| Cable Diameter                                | 3.7mm  |
| Cable Length                                  | Up to 50m  |
| Option Cable length                           | 10m/20m/30m/50m  |
| Bend Radius (Dynamic/Static)                  | 80mm/40mm  |
| Tensile Strength (Long Term/Short Term)       | 150N/300N  |
| Crush Resistance (Long Term/Short Term)/100mm | 500N/1000N   |
| Operating/Storage Temperature                 | 0~50°C/-20~70°C  |



## Electrical Specification

|                              |   |
|------------------------------|---|
| Supply Voltage               | 4.75~5.25V                                  |
| Supply Current               | <400mA                                      |
| Power Dissipation            | <2.1W                                       |
| Device Side Supply Current * | Maximum 5V<br>900mA(10m/20m/30m)/600mA(50m) |

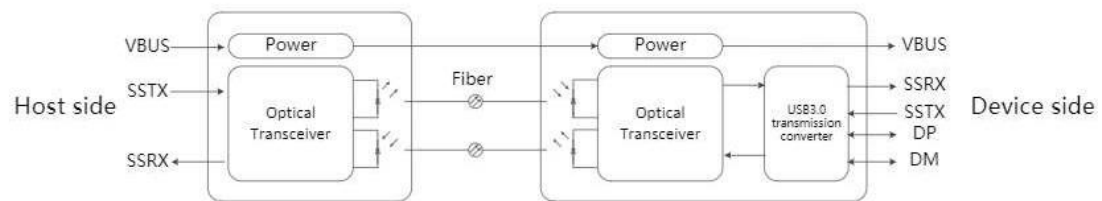
Note: \* Need to connect Auxiliary power supply to host side

## General Information

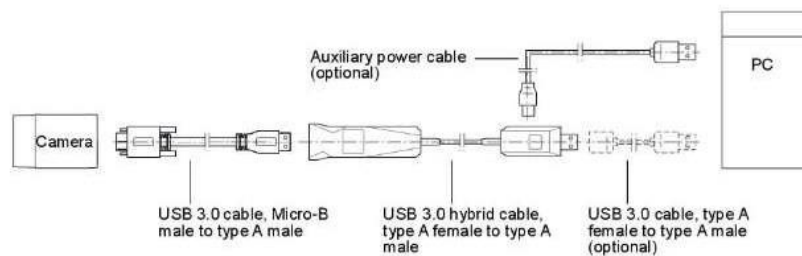
|                 |        |
|-----------------|--------|
| ROHS Compliance | Yes    |
| CE Conformity   | Yes    |
| UL Conformity   | UL 758 |
| Warranty        | 1 year |

## Technical Description

EPU3HC series built-in optical transceiver chip to complete the OE & EO conversion.



# 4 Cable Connections Overview





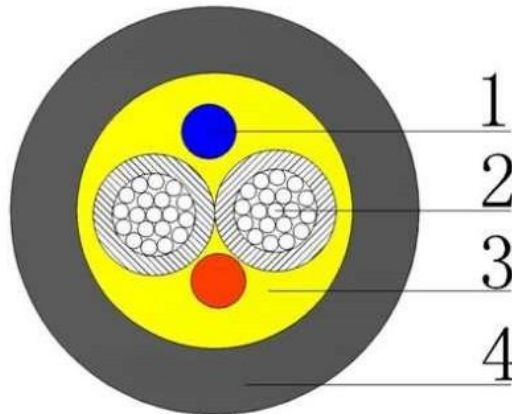
## 5 Part Number

| Part Number         | Description  |
|---------------------|--|
| EPIUH21-A0A4KxxxMAM | USB3.1 GEN1 Hybrid AOC, TypeA male to female with screw holes, Silver Metal Housing, for Machine Vision, xxx=xxx meter, for example 050=50 meter |

Note1: All of standard cables have Everpro LOGO. NRE is need if adding customized logo.

Note2 : Lead time will be increased if need customized length.

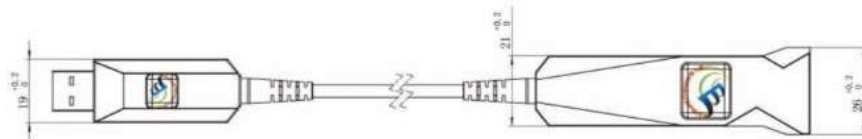
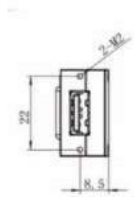
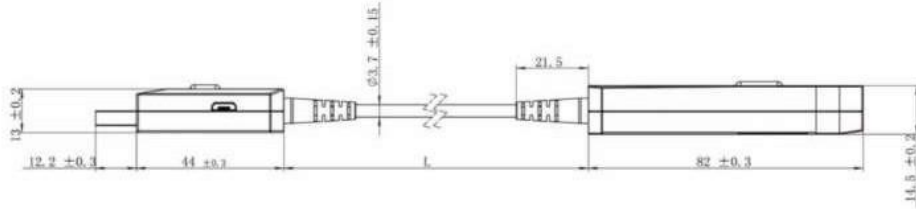
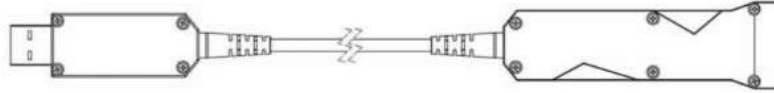
## 6 Fiber Specification



| Item | Contents              | Value                        | Supplement      |
|------|-----------------------|------------------------------|-----------------|
| 1    | Fiber                 | A1a,A1b or other types       | 2 cores         |
| 2    | Stranded Copper Wires | 21*0.15,22AWG or other types | 2 cores         |
| 3    | Kevlar                | Strength Member              | 5*1610dtex      |
| 4    | Outer Jacket          | Black TPU                    | OD: 3.7 ± 0.2mm |

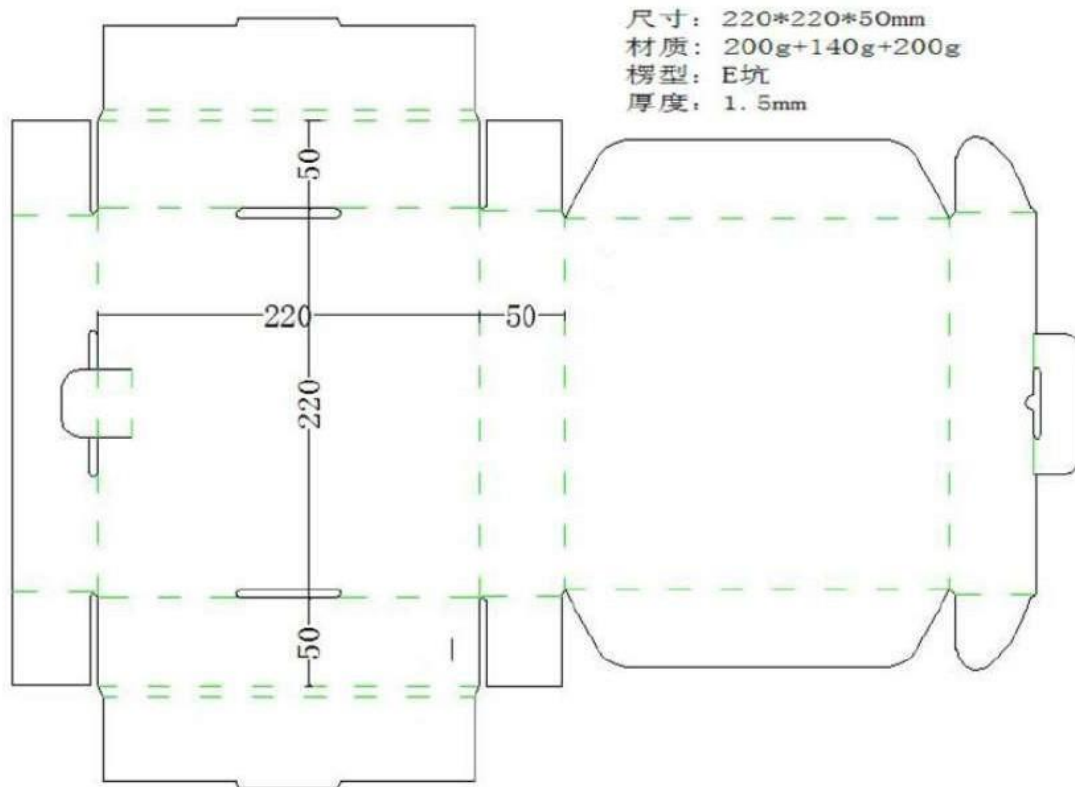


# 7 Cable Dimension





# 8 Package Information





# 9 Application

- Machine Vision Camera Extension
- Security Camera Extension
- Digital Signage and TV Wall
- Smart Digital Video Surveillance System
- Zero Client Connectivity
- Remote Storage

