

OPTICAL IMAGE AND DATA MODULE SPECIFICATION

SPECIFICATION

Product name: Fiber optic images and data Sky end
Power supply: DC 9V~26V (3~6S Battery)
Shell material: aluminum alloy
Body size: 66.6mm*45mm*18mm
Body weight: 54g±2g



OPTICALLINK SKY

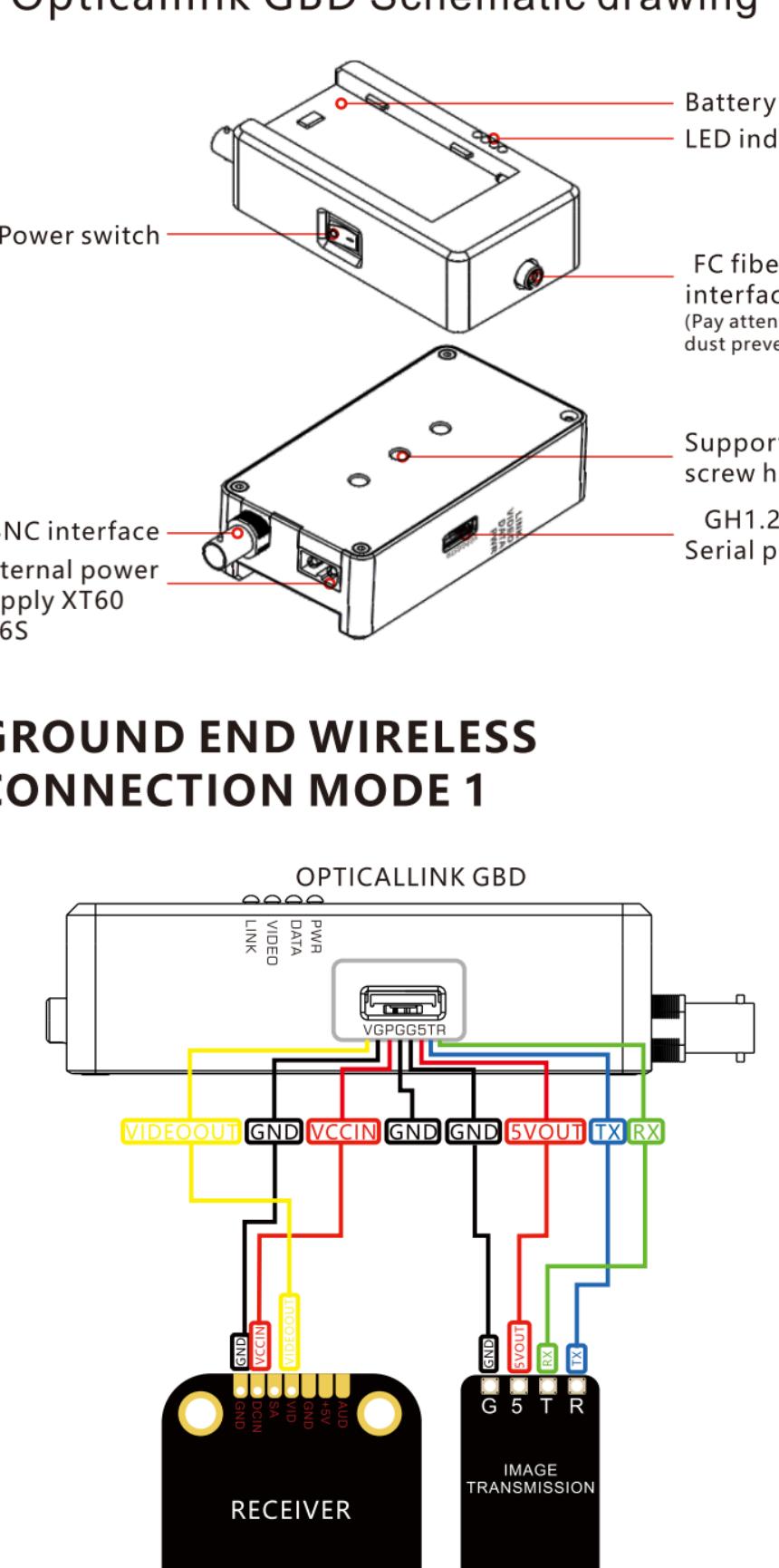
Product name: Fiber optic images and data Ground end
Power supply mode: 3~6Sbattery
Shell material: aluminum alloy
Body size: 123mm*56mm*31mm
Body weight: 186g±2g



OPTICALLINK GBD

Optical fiber interface: Fibre Channel interface
Optical fiber type: single-mode - Single-fiber
Data interface: GH1.25
Video format: NTSC/PAL/SECAM
Data direction: bidirectional
Data format: TTL/S.BUS
Speed: 0 to 1 Mbps
Wavelength single mode: 1310 (9/125 μ m) +1550
Transmission distance: single mode fiber 0~20km

OPTICAL FIBER DISK SPECIFICATIONS



1km light disk
Size: 79.6mm (diameter) *152mm
Case material: carbon fiber
Optical fiber specifications: 0.5 mm
Weight: 340g (1 km)
Outlet port: None

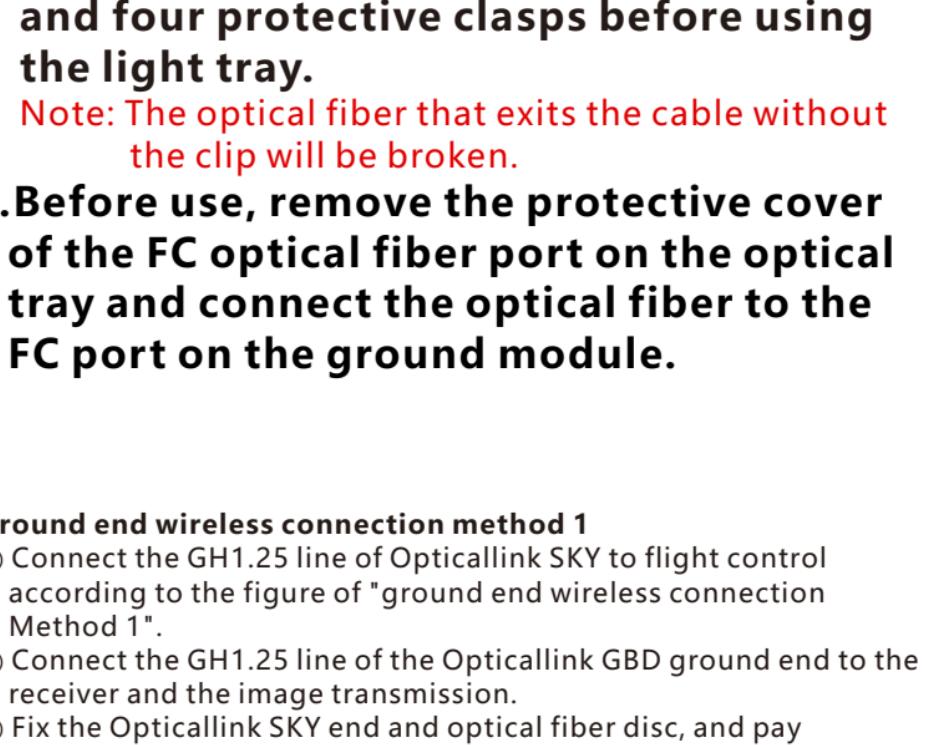
2km light disk
Size: 101.6mm (diameter) *274mm
Case material: ABS
Optical fiber specifications: 0.5 mm
Weight: 600g (2km)
Outlet nozzle: Aluminum alloy nozzle, carbon tube 5cm

3km light disk
Size: 101.6mm (diameter) *274mm
Case material: ABS
Optical fiber specifications: 0.5mm
Weight: 800g (3km)
Outlet nozzle: Aluminum alloy nozzle, carbon tube 5cm

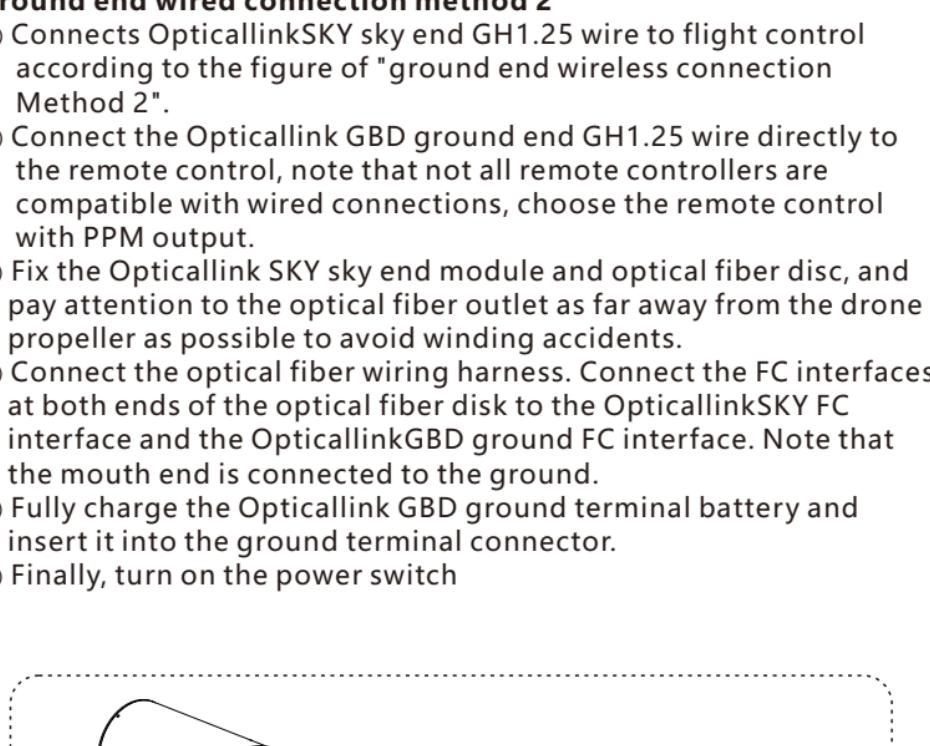
5km light disk
Size: 101.6mm (diameter) *351 mm
Case material: ABS
Optical fiber specifications: 0.5mm
Weight: 1250g (5km)
Outlet nozzle: Aluminum alloy nozzle, carbon tube 5cm

10km light disk
Size: 142mm (diameter) * 404mm
Case material: carbon fiber
Optical fiber specifications: 0.5 mm
Weight: 2450g (10km)
Outlet nozzle: Aluminum alloy nozzle, carbon tube 5cm

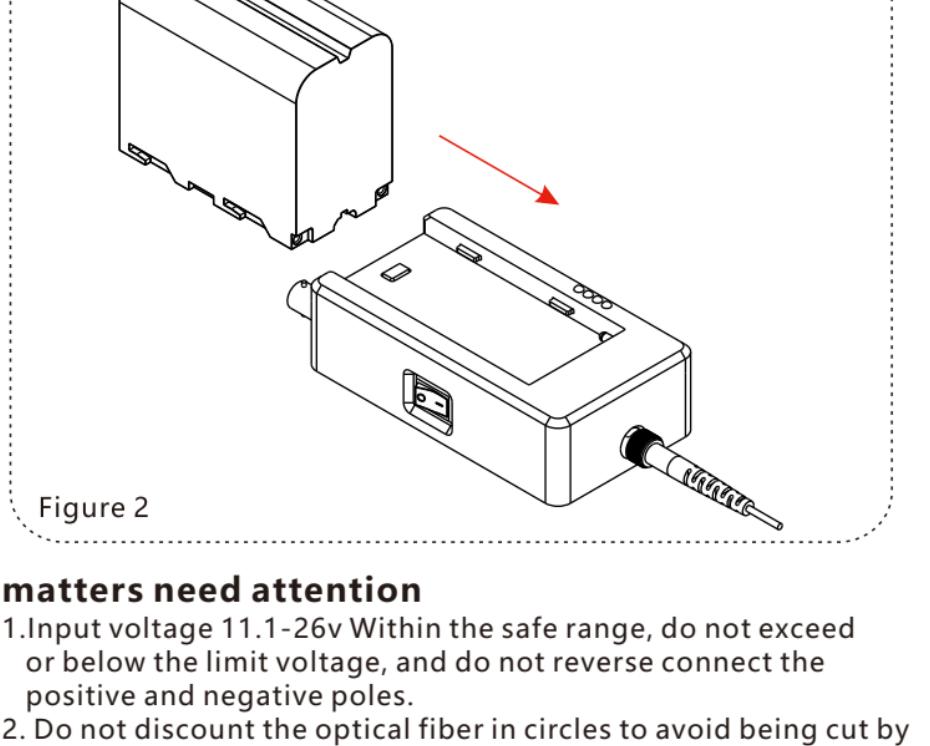
Opticallink SKY Schematic drawing



Opticallink GBD Schematic drawing



GROUND END WIRELESS CONNECTION MODE 1



① Schematic diagram of connection between ground end and receiver and graph transmission

GROUND END WIRED CONNECTION MODE 2

Note: OUT1 is a non inverted SBUS, and OUT2 is a normal SBUS. If there is no SBUS interface inside the flight control, please use the non inverted SBUS of OUT1.

①, Opticallink GBD ground end and remote control connection

LED INDICATOR DEFINITION

Fiber optic image and data sky end indicator

● PWR Power indicator light

● LINK Optical fiber connection indicator

● VIDEO Picture signal lamp

● DATA Data signal lamp

Preparation of light plate before use

1. Remove the transport protective cable tie and four protective clasps before using the light tray.

Note: The optical fiber that exits the cable without the clip will be broken.

2. Before use, remove the protective cover of the FC optical fiber port on the optical tray and connect the optical fiber to the FC port on the ground module.

①, Opticallink GBD ground end and remote control connection

Optical fiber image and data ground end indicator

● PWR Power indicator light

● DATA Data signal lamp

● VIDEO Picture signal lamp

● LINK Optical fiber connection indicator

USAGE PROCEDURE

Figure 1

Figure 2

matters need attention

1. Input voltage 11.1~26V Within the safe range, do not exceed or below the limit voltage, and do not reverse connect the positive and negative poles.

2. Do not discount the optical fiber in circles to avoid being cut by sharp objects and resulting in fiber breakage.

3. Protect the optical fiber connectors and FC ports from dust, oil, and water stains, and ensure that the protection cover of the optical fiber connectors and FC ports is tightly closed.

4. Store in a cool, dry area away from light. Optical fiber disk precision structure, gently handle, upright storage.

5. Optical fiber disk precision structure, gently handle, upright storage.