

C-FX

Submillimeter Fiber
Industrial Videoscope

The Coantec C-FX series submillimeter fiber industrial videoscope uses fiber optic image transmission and light guiding for clear imaging, stable signal transmission, strong anti-interference capability, compact size, and easy portability. The tip features good flexibility, a smaller diameter, and can perform inspections through bends and narrow passages. It can be viewed directly through the eyepiece or connected to a touch display via a USB OTG port to capture and process images, making operation simple. This product is suitable for inspecting various device cavities, workpiece inner holes, and other relatively narrow spaces, with wide applications in various industrial fields.



High brightness
portable cold light source



Desktop adjustable
cold light source

- User-friendly detachable design
- Ultra-fine fiber tip
- Gaining access to observe narrow spaces
- High-brightness portable cold light source
- Compatible with F18mm optical mount
- IP67 waterproof and dustproof insertion tube
- Adjustable image white balance
- Resistant to electromagnetic radiation interference



➤ User-friendly detachable design

The device consists of a touch display host, imaging system, optical lens, cold light source, and optical adapter. Its user-friendly design allows for easy assembly, simple operation, and convenient storage and portability.

➤ 0.48mm ultra-fine fiber tip

The fiber endoscope tip has a diameter of only 0.48mm, is flexible and bendable, allowing for in-depth inspection of even narrower spaces; it can easily enter micro-holes with an inner diameter of less than 1mm.

➤ Optional high-brightness portable/desktop adjustable cold light source

External flashlight-style portable cold light source, with high brightness, more compact and lightweight, can be quickly installed and removed. It can also be connected to a more stable desktop adjustable cold light source for better illumination.

➤ F18mm optical adapter

The optical lens connects to the imaging system through an optical mount and to the touchscreen via USB OTG for an intuitive display of the observed images. Optical focusing allows the picture to be clearer and brighter.

➤ Adjustable image white balance

Image white balance can be manually adjusted for more accurate color reproduction.

➤ HD video images

Connecting to the imaging system allows real-time inspection images to be directly observed on the display. The system delivers smooth image with true colors and can also take photos and videos and store and process files.

Basic parameters

Host System	
Display specifications	8-inch IPS full-view industrial HD touchscreen
Output port	HDMI video port/USB OTG/USB 2.0 port
Host size	245mm*195mm*95mm
Host weight (including battery)	2.85kg
Battery capacity and working time	10000mAh 7.4V, ≥6h

Insertion Tube System	
Tip diameter (mm)	0.48
Tip guidance	None articulation

Insertion Tube System	
Insertion tube length	1m
Compatibility	Replaceable insertion tube
Tip dustproof and waterproof rating	IP67

Operating Environment	
System working temperature	-20°C-60°C
Tip working temperature	-25°C-60°C
Storage temperature	-40°C-60°C
Relative humidity	Not greater than 95%, no condensation

