

C-RD

Optical Rigid Videoscope

The Coantec C-RD Series Optical Industrial Videoscope utilizes an optical image transfer lens system to transmit images, using fiber optic lighting for illumination, resulting in excellent imaging quality. It also features white balance adjustment and focusing capabilities, producing clear and bright images that restore true colors. Images can be observed directly through the eyepiece or connected to a touch display via USB ports for image capture and processing. This product's tip features a stainless steel rigid tube, making it more robust and durable, suitable for inspecting the internal cavities of various equipment and workpieces. It has wide applications in aerospace, military equipment, and energy and power industries.

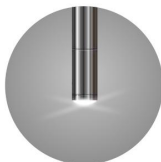


High brightness portable cold light source

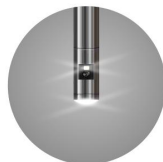


Desktop adjustable cold light source

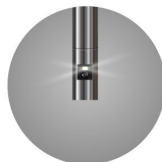
- User-friendly detachable design
- Stainless steel wear-resistant optical rigid videoscope
- High-brightness portable cold light source
- Rigid industrial videoscope of various specifications customizable
- F18mm optical adapter
- IP67 waterproof and dustproof insertion tube
- Adjustable image white balance
- True reproduction of image colors



Direct-view



Direct/side-view



Side-view

➤ 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.

➤ Stainless steel wear-resistant optical rigid videoscope

The optical rigid tip is made of stainless steel, featuring high strength and durability.

➤ High-brightness portable 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 high-power adjustable cold light source for better illumination.

➤ Rigid industrial videoscope of various specifications customizable

Optical rigid videoscopes with different lengths, diameters, viewing angles, and viewing directions (direct view/side view) can be customized to suit different inspection conditions.

➤ F18mm optical adapter

The optical lens connects to the imaging system through an optical mount and to the touchscreen 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.

True reproduction of image colors

The imaging system conversion allows for the display of smooth, high-quality images with true colors and good fidelity on a high-definition screen as well as taking pictures and videos and storing and processing image files.

IP67 waterproof and dustproof insertion tube

The optical rigid videoscope insertion tube provides effective dust and water protection, with higher stability and reliability, suitable for harsher inspection environments.

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)	2.7 /3 /4
Tip guidance	None articulation

Insertion Tube System*	
Insertion tube length	100mm/175mm/302mm or customized
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

