

Coantec C60 series Coantec Industrial Video Videoscope



- Ultra HD Industrial Camera
- Convenient Aerial plug Interface
- Large Size HD Display Screen
- Host Anti-collision Design
- Replaceable Design for Consumable Insertion Tube
- Long Life Battery with Large Capacity
- Ergonomically Designed Operating Handle
- More Customized Services

SHENZHEN COANTEC AUTOMATION TECHNOLOGY CO.,LTD.

No.3, Crosslane 3, Yuanhu Road, Zhangbei,Ailian,Longgang District, Shenzhen, China,518172

Tel : +86 -755- 8972 8626 Fax : +86 -755- 8978 6196

E-mail : zyd@chinavideoscope.com Web : www.chinavideoscope.com



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Application Areas

Coantec C60 can be widely used in Aerospace, Energy Power, Petrochemical Engineering, Automotive Manufacturing, Machinery Manufacturing, Food & Medicine Machine, Special Equipment, Automotive Aftermarket. Users can observe the internal structure and internal surface features of equipment and components in real time. Better control product quality and ensure safe operation of equipment.

Casting defect detection/Pipeline weld detection/Machining defect detection/Equipment operation detection.



Product Features

High quality images High definition display

Coantec C60 series industrial video endoscope is a brand-new visual inspection instrument independently developed and produced by Coantec. The product adopts a 7-inch / 12-inch large-size HD display screen, equipped with an HD industrial camera, with clear images, bright colors and rich details, and can truly present the condition of the object's inner surface, enabling more distant observation and inspection.



Ultra HD Industrial Camera

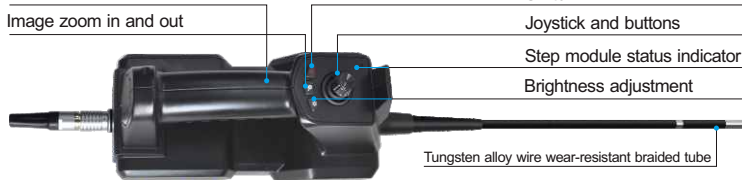
Alloy spring tube, uniform elasticity, can turn flexibly several times in the curve, good heat resistance and corrosion resistance, suitable for turbine inspection.



Replaceable Insertion Tube

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Electric operating handle



4-way operation mechanical handle



2-way operation mechanical handle



None-articulation mechanical handle



Tube and Probe Replaceable System

A host can be equipped with electric or mechanical operating handles, and tubes with different diameters, lengths, and materials can be selected for different detection scenarios. Users can customize and replace according to their needs, which is simple and fast. In the process of equipment inspection and maintenance, it can better save costs.

- Tungsten wire braided tube has a compact structure, corrosion resistance, more wear resistance and good waterproof performance.
- The alloy spring tube has uniform elasticity and can be turned many times in the curve, with good heat and corrosion resistance.
- SUS304 Rigid tube, strong and durable, high strength, long life, hand-held operation is more labor-saving.

Ergonomically designed operation handle

Ergonomically designed mechanical / electric operating handle, comfortable to hold. The mechanical damping joystick can be operated with one hand or two hands, and the electric control handle controls the articulation of the probe through the steering gear. The operation is more smooth and natural, and the steering angle is accurate.



Host anti-collision design

The 7-inch host adopts a four-corner anti-collision design, with a rounded and beautiful appearance. The anti-collision angle is made of high-density cushioning silicone material to prevent damage caused by collision impact during transportation and use, and effectively strengthen the protection of the equipment.



Convenient aerial plug interface

The operating handle is connected to the host by aerial plug interface. The signal transmission is reliable, the stability is good, the anti-interference ability is strong, and the disassembly and installation of the insertion tube is faster and more convenient.



Long life battery with large capacity

Equipped with a large-capacity battery module, the battery life can reach more than 4 hours. You can also charge the device online through the power adapter, which can work continuously for a long time.



Customized Services

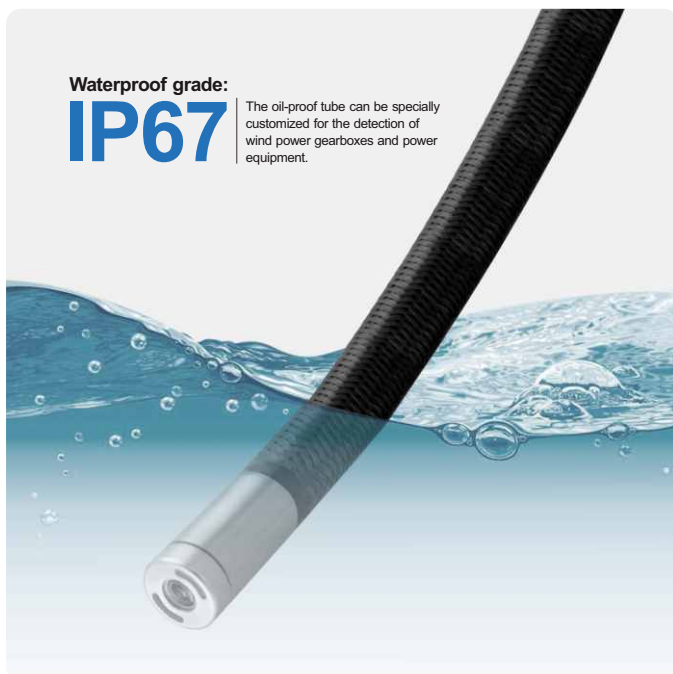
We have launched more customized services, you can add the following functions as needed:

1. Tube length, diameter and lighting mode can be customized
2. Can add scale ruler on the tube
3. Software function customization



IP67 Waterproof & Dustproof

The dustproof and waterproof grade of the tube can reach IP67, with strong corrosion resistance and more slack resistance. The oil-proof series can be customized, which is suitable for more severe testing environments.



Easy Operation

The image detection is intuitive and reliable, presenting the internal real situation, simple and clear menu guidance. The key operation is easy to understand and easy to use, the novice can quickly master it.



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Technical Specification

Host		
Display Dimension	7-inch	12-inch
Display Resolution	1024*600	1024*768
Digital Zoom	Support real-time 4x zoom ,8x partial zoom when playback	
LED Brightness Level	0-7 level adjustment	
Auxiliary Measurement Function	Cross cursor guide	
Photo/Video	With photo and video functions, can be captured during recording	
Document Format	Image :JPEG/BMP; Video:MP4	
Image Rotation	Real-time detection image can be rotated 0°/90°/180°/270°	
Time Watermark	Yes	
Screen Backlight Brightness	3 -level adjustment	
Storage Medium	Standard 8G capacity SD card, maximum support 32G	
Menu Language	Simplified Chinese、Traditional Chinese、English,Japanese, Korean, French, German, Portuguese,Spanish, Russian, Italian, Dutch etc.	
Host Weight	1.45kg	2.9kg
Electric Operating Handle	1. 1kg	

Tube				
Handle Style	Electric handle/mechanical handle			
Tube Material	Tungsten alloy wire wear-resistant braided tube			
Probe Diameter(±0.1mm)	Φ2.0	Φ2.8	Φ3.9	Φ4.8/Φ6/Φ8
Camera Pixels	160,000		1,000,000	1,000,000
Depth of Field	5-50mm		5-100mm	8-80mm
Field of View	120°		120°	85°
Tube Length	1-1.5m	1-3m	1-3m	1-10m
Lighting Mode	Rear-mounted LED,optical fiber light guiding			
Joystick Control	None articulation/ 2-way / 4-way /360° all-way articulation			
Bending Angle	≥120°			
View Direction	Forward view /Side view			
Guided Control Method	Mechanical control / Electric control			
Tube Type	Tungsten alloy wire wear-resistant braided tube/alloy hard tube/alloy spring tube			
Compatibility	Replaceable Tube			
Probe Waterproof Level	IP67			

Power	
Power Supply	DC:15V,Special lithium battery pack, support online charging
Lithium Battery Pack	11.1V , 3200mAh
System Operating Time	≥4H

Operation Environment	
Machine Operating Temperature	-10°C-50°C
Probe Operating Temperature	-20°C-60°C
Storage Temperature	-20°C-60°C
Relative Humidity	15%-90%

Configurations	
Standard Configurations	C60 videoscope x1,instrument case (Electric type with high - grade instrument case, with insert tube storage tray) x1, lithium battery x2, power adapter x1, battery charger x1, 8G SD card x1, card reader x1, user manualx1,precautions for use x1
Optional Configurations	HDMI cable, Hand-held casing,High-grade instrument case (with insert tube storage tray), Pipe Centralizer

Distributor

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