JOINWE

Championing Industrial Equipment Health,
Pioneering the Future of Intelligent Monitoring

JW-C Series

Industrial Videoscope



SHENZHEN JOINWE SMART CO.,LTD
www.joinwesmart.com
info@joinwesmart.com

Introduction:

JW-C series, is a high-performance 4.3-inch industrial endoscope, specially designed for industrial inspection and maintenance. It combines high-definition imaging, portability and durability, and is suitable for internal inspection tasks in various complex environments. Whether it is in pipelines, engines, the interiors of machinery, or other areas that are difficult to observe directly, JW-C610 can provide clear images and videos to help users quickly discover problems and improve work efficiency.

Function introduction：

1. 4.3-inch high-definition display screen: The 4.3-inch high-definition display screen provides clear real-time images to ensure the accuracy of the detection results.
2. Adjustable LED lighting: There are 6 adjustable-brightness LED lights around the camera. Users can freely adjust the brightness according to the ambient light to ensure clear images in dark or insufficiently-lit environments.
3. Portable design: The lightweight and portable design is convenient for users to carry and operate. The device is light in weight and suitable for long-term handheld operation, reducing fatigue.
4. Waterproof and dustproof design: The device has IP67 waterproof and dustproof performance, suitable for various harsh environments, ensuring stable operation in wet, dusty or oily environments.
5. Multiple size lenses available: Different-sized lenses are provided to meet the detection requirements of different apertures and depths.
6. Image and video storage: It supports real-time storage of images and

videos, has built-in storage space, and supports external TF card expansion to facilitate users to save and share the detection results.

Technical specifications：

Host System		
Display	4.3 inch HD display (resolution 480*400)	
Function	Photography, video, brightness adjustment, amplification, high temperature warning protection, real-time temperature display, screen rotation、	
Storage capacity	Supports up to 128GB TF card	
Language	Simplified Chinese, Traditional Chinese, Japanese, English, Korean, French, Russian, Spanish, German	
Battery	DC5V 2A，20.Wh	
Work time	3 hours	
Operation mode	Hand-held portable	
Compatibility	The screen can be detachable, the host can be replaced/upgraded independently, compatible with insert tubes of different diameters	
Host temperature range	-10°C to 50°C	
Battery	7.4V, 7000mAh (2 sets are standard)	
Work time	>4h	
Host work temperature	-10~50℃	
Host ingress protection	IP55	
Insertion tube System		
Probe diameter	3.9mm	6.2mm
Resolution	Mega pixels	Mega pixels
Depth of field	20-100mm	20-100mm
Angle of view	90°	90°
Insertion tube length	1M/2M/3M	
Steering angle	360°	

Brightness adjustable degree	4 degree brightness adjustable
Material of probe	Flexible plastic wear-resistant pipe
Probe ingress protection	IP67

Technical Advantages：

1. High definition: 4.3-inch HD display ensures clear images and visible details.
2. Strong defensive: IP67 waterproof and oil level design, adapt to all kinds of bad environment.
3. Flexible control: 360 degrees steering function, easily cope with complex test scenarios.
4. More lens selection: length lens with a variety of choice, meet different testing requirements.
5. Portable and easy to use, lightweight design, suitable for long time with operation.

Application field:



Aerospace
More reliable and accurate aircraft inspections through advanced data processing and measurements.

Energy Industry
For inspection and maintenance of equipment such as turbines, piping, condenser tubes, pressure vessels, etc.

Machinery
For quality control and defect inspection of hydraulic and mechanical parts, pipe fittings and castings.

Automobile
Suitable for inspection during automobile manufacturing and maintenance.

Construction works
Used to check concealed works such as pipes and ventilation systems.