



JX SERIES

Inspection technology for better inture

JX Motor-driven 3D Measurement Videoscope



Convenient Practical Instrument for DNT in Aerospace











Meet the Requirements of Various Detection Environments and has Wide Application Scenarios

Intelligent touch screen to restore real image effect

- 7-inch intelligent touch screen, sensitive touch and accurate operation
- The screen brightness can be adjusted and the image can be clearly seen
- Ultra clear image quality and highly restore the real effect of the image
- Parametric adjustment of image effect to grasp the defect situation at any time

Rugged and suitable for different scenes

- 4-layer wear-resistant tungsten wire tube, the wear resistance is 20 times than the ordinary tube
- The probe, objective lens and tube system shall be IP67 waterproof
- The shell is made of engineering alloy and aviation aluminum alloy, which is firm and durable
- The products have undergone strict high and low temperature, drop, vibration and other tests

Intelligent File Management, Providing Professional Test Reports

MDI report generation and intelligent file management functions provide users with professional detection reports.



MDI report function, generate test report

- Select the photo and give a text description of the defect below the picture
- Graffiti notes can directly circle defects and cracks on the drawing
- Watermark annotation, and you can customize "qualified, crack" and other marks
- Generate report, which can be saved in USB flash disk, internal storage or transfered to mobile device via Bluetooth

Intelligent and convenient file management

- The file name can be preset or renamed
- New folders can be created to quickly find files
- Support picture/video preview and graffiti annotation pictures
- Pictures, videos and test reports can be deleted or exported with one click

3D Cloud Scanning Modeling and Rapid Measurement



3D measurement, measurement accuracy≥95%

- Point to point, point to line, polyline, area, depth and other measurement methods
- Measurement accuracy ≥ 95%
 Standard accuracy: 0.1mm
 Minimum accuracy: 0.01mm
- Fine tuning navigation keys and window assistance, fine tuning point selection, confidence assisted point selection and accurate measurement
- Shoot and measure immediately, and the measured image supports repeated measurement



Point to line distance



Measuring perimeter



Measurement area



Confidence assisted point selection

High precision and fast global scanning 3D cloud image

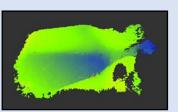
- Fast global scanning to view 3D physical cloud image
- Vertical depth cloud map, automatic measurement of maximum depth
- 3D cloud image XYZ coordinate display, arbitrary section view, easy to locate the depth and height difference of internal defects
- the datum plane shifts and the depth value changes in real time



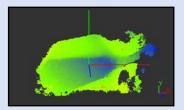
3D physical cloud image



Profile



Vertical depth nephogram



Cloud 3D coordinates

Accurate Articulation with Joystick, Super Compatible Tube







360°All-way accurate articulation

Maximum Bending Angle≥180°

360°All-way accurate articulation with joystick.

The maximum bending angle ≥180°.

Damping type positioning design and precise probe locking technology makes the detection more accurate and efficient.

Illuminance

With super bright LED ceramic light source or optical fiber lighting,the illuminance can reach to 1,000,000 Lx.



Photo / video

Gun type one click to take photos and video,make the operation convenient and fact



Rotation speed

One click control, fast/slow electric rotation, automatic reset



Probe positioning

One click lock probe, fine adjustment, precise positioning



- Modular design, and the host system, tube system and power supply system can be disassembled and separated.
- Independently replace the 1.0mm~8.0mm tube system to meet the needs of different working conditions.







Craftsmanship, Military Quality

We have obtained more than 10 invention patents and software copyrights, passed ISO9001/14001 system certification. UNIONTEST NDT product got CE, RoHS certificates, certificate from the Ministry of Public Security Testing Center and QC inspection report from Ceprei, Credit Rating Certification, GJB9001 National Military Standard System Certification, Explosion Proof Certification, etc.

Battery Module

Working Time≥4h,support charging while use

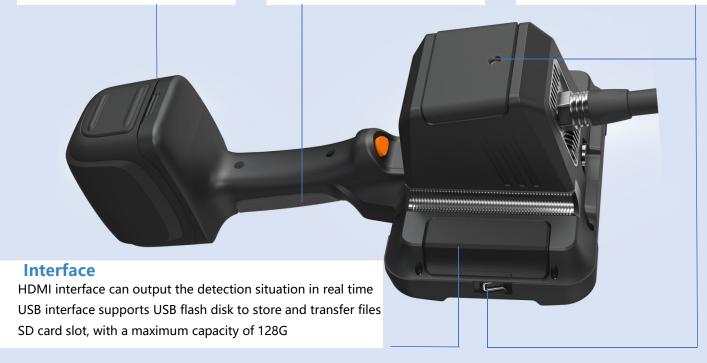
Replaceable monitor makes the operation simple and convenient.

Ergonomic Design

The anti falling and anti-skid design of the whole machine makes the operation more comfortable.

Easy and portable

Equipped with shoulder straps and reserved universal support interface, it is convenient to operate in complex environment.





WiFi wireless image transmission

- WiFi wireless connection, and the mobile device synchronously displays the detection image
- Take photos / videos remotely through app and save test pictures
- Error reporting notes



Probe temperature measurement

- Real time display of detected ambient temperature
- High temperature alarm function, power off when overheating

Parameter

Image resolution: 1920 x1080/1280 x 720/640 x 480

Structure		Hand-held integra	ited design		Sta	Standard Accuracy		0.1mm				
Display		7 inch touch screen, humaniz Interface keys			Mi	inimum Accuracy		0.01mm				
Outer Cas	e Materia	Engineering alloy material an aviation aluminum alloy			Me	asurement Accuracy		≥95%				
Tube Mate	erial	tungsten-braide	d		Rotation Mode			360°All-way accurate articulation				
Display Re	esolution	1920*1200			Pro	be Positioning		with joystick Fine adjustment, precise positioning				
Light Sou		Optical fiber/LED				be Length		1.5m/2m/3m (other lengths can be customized)				
Bending <i>A</i>	Angle	180°			Wo	orking Time		4h, support charging while use				
FOV		90°/120°			Ba	ttery Capacity		7.4V/6400mAH				
Video Out	tput	HDMI same screen output			Sto	orage Medium		Memory storage, SD card, USB flash disk (optional)				
Waterproof		The probe, objective lens and tube can withstand IP67 waterproof			We	eight		≈ 2.3 kg (battery included)				
Monitor S	ystem	Real time intellig	gent multitas	king	Co	mpatibility		Compatible with different tube systems				
Data Port		HDMI port、USB port、type-c port、SD card port、3.0earphone port										
Standard	Configuration	Special instrume operation manu			oe、	battery module, c	harger、 card	reader、 memory ca	ard、 data cable、			
		operation manu	ai, certificati	e etc.								
Probe Diameter (mm)	Camera Pixels	Tube Length	View			DOF	FOV	Bright Sours	Bending Way			
8.0mm/ 6.0mm	1megapixel	Dalam 10	front	10	-100	mm/20-120mm	120°	LED/fiber	360°all-way			
		Below 1m~10m	side	3	-25n	nm/10-110mm	90°/120°	LED	360°all-way			
	1 ma a ma missal	Below 1m~10m	dual lends	front 10-100mm		nt 10-100mm	front 120°	LED	360°all-way			
	1megapixel		dual lends	Side	3-2	5mm/10-110mm	side 90°/120°	LED	360°all-way			
	300000pixel	Below 1m~10m	front	10	-100	mm/20-120mm	120°	LED/fiber	360°all-way			
3.8mm	1megapixel		side			3-25mm	90°	LED	360°all-way			
5.011111	300000pixel	Below 1m~5m	dual	fro		ont 5-50mm	front 120°	LED	360°all-way			
	э э э э э э э э э э э э э э э э э э э		dddi		si	de 5-50mm	side 120°		360°all-way			
2.8mm	300000pixel	Below 1m~5m	front			5-50mm	120°	LED/fiber	360°all-way			
			side			5-50mm	120°	LED	360°all-way			
2.2mm	300000pixel	Below 1m~3m	dual lends			5-50mm	120°	LED/fiber	360°,two-way			
1.8mm	00000pixel	Below 1m~3m	front			5-50mm	120°	LED/fiber	two-way			
1.0mm	4000pixel	Below 1m~3m	front			5-50mm	120°	LED/fiber	no direction			
Product	Function Sele			13.6			_			_		
Function					JXP			unction	agas ta mahila	J)		
Image format: jpg					√	phones, compute	ers and other te					
Video format: MP4					√	temperature alar	m (optional)	be temperature disp	lay and high			
Rotation: fast/slow electric rotation, automatic reset						Delayed exposur		Alexander of Pro-				
Probe Lock: step fine adjustment, precise positioning					√			the vector indicat are is displayed on th				
Lighting: light continuous automatic adjustment and 5-gear manual adjustment				٧	√	Intelligent file management: support copying, renaming, deleting and generating reports of files in internal storage, SD card and USB storage media						
Zoom in/out: 8X				√	√							
Image display scale: image 1:1 / full screen					√							

√ Language : English / French / German / Japanese / Traditional

Image adjustment: brightness, contrast, gamma, chroma, saturation, sharpness	√	√	Chinese / Simplified Chinese / Korean / Italian		
Image Effects: negative、black-and-white film White balance: automatic white balance		√	MDI report generation software: select the picture, graffiti it, edit the		
		√	text description under the picture, create the test report and Bluetooth transmission test report		√
Image freeze: Freeze the view and call the brush to save the graffiti in real time Image mirroring and rotation: 0°、90°、180°、270° Graffiti notes: text notes, graffiti, watermark		√	3D measurement: point to point, point to line, point to surface measurement of depth, area, perimeter, etc. fine tune the navigation key and window assistance, confidence assistance to select points,		
		√			
		√	and the measured image can be measured repeatedly		
Dual camera preview: dual camera dynamic display on the same screen Picture in picture: the main screen image and small window photo can be switched arbitrarily Front/side on the same screen: front-view /side-view are displayed on the same screen		√	Cloud image: vertical depth cloud image, 3D physical cloud image, local section, arbitrary section, XYZ coordinate display of cloud image, automatic measurement of maximum depth, view of section		
		√			
		×	view, datum translation and real-time display of depth dimension		

