JEET K Series

Motor-driven HD Videoscope

- Two mega pixels ultra high definition
- Super fast universal focus
- Multiple light sources can be selected

- Super sensitive motor-driven articulation
- Super convenient to replace the lens
- One lens is used for multiple without pressure

JEET
Inspection technology for better future

Shenzhen Jeet Technology Co., Ltd

Motor- driven HD Videoscope

5.7 inches HD smart touch screen, the touch sensitive operation is accurate; 2 or 1 mega pixels ultra high definition, the picture quality is super clear, and real restore image effect; a variety of picture special effects, improvement of picture contrast, with automatic defect recognition box selection, faster and more accurate discovery of the defective defect。
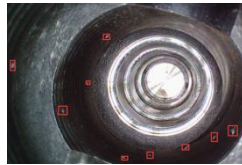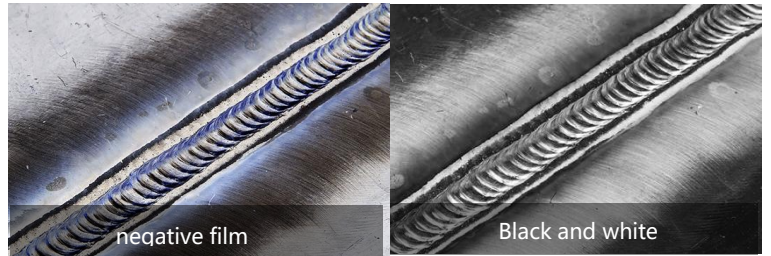
Real restore image effect

2 million/1 million ultra high definition pixels, high brightness light sources, helps you better discover the shortcomings in the dark area; 1920*1080 pictures/video high resolution, can be re -recorded after being paused during the recording process, and can be captured at any time, not only you can clearly observe the defects, and it can also easily record the defects of the inspection.

Selection of automatic identification boxes of defects （Optional)

Divided into three levels: high, medium, and low. After opening the defect recognition function, during the observation process, the mobile probe, the red box will automatically frame the abnormal point, assist the identification of the defects of the inspection, and let the defects be avoided.。
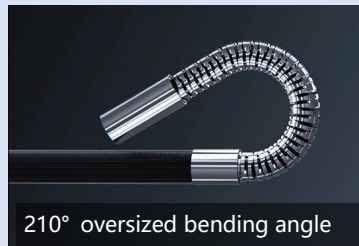
negative film   Black and white

360° Motor-driven Articulation,Accurate Positioning

360° Motor-driven structure, the probe is omnidirectional to turn arbitrarily, 210 ° oversized angle, which can observe the inspection situation in all aspects. Press the joystick with one click lock/reset, light up the joystick, try the articulation, and the probe positioning is more accurate; fast/slow articulation adjustment greatly improves the articulation efficiency.

360° flexible articulation

210° oversized bending angle
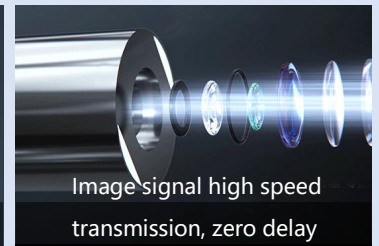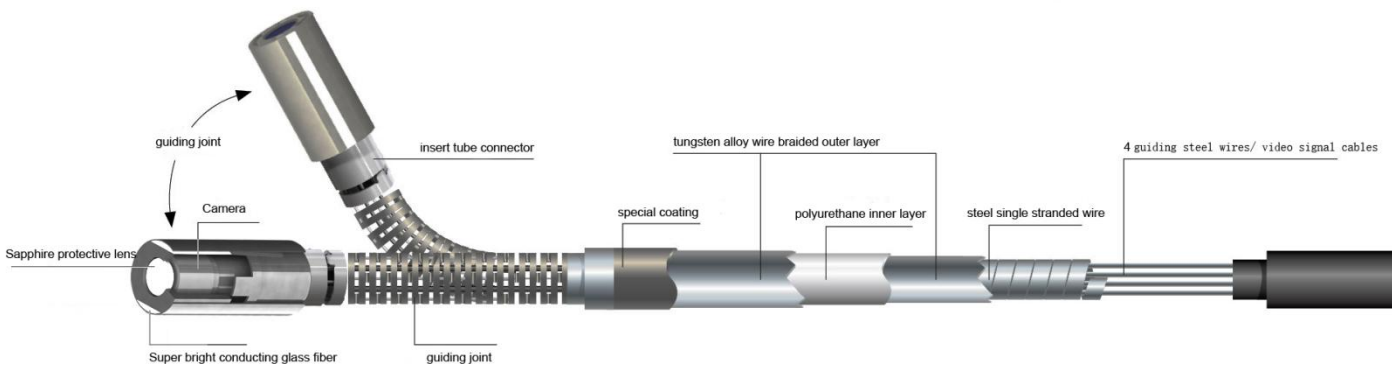
fast/slow speed adjustment

Image signal high speed transmission, zero delay

guiding joint

insert tube connector

tungsten alloy wire braided outer layer

4 guiding steel wires/ video signal cables

Camera

special coating

polyurethane inner layer

steel single stranded wire

Sapphire protective lens

Super bright conducting glass fiber   guiding joint

The long distance signal transmission technology independently developed by Jeet Technology can achieve a 30 meters long distance transmission screen signal; long distance transmission technology can easily realize the 10 meters long range bending angle ≥150 °.

Multiple Specification Tube system

Modular design, tube system and battery module can be removed and replaced. A host system, with multiple tube systems, can meet the diverse detection needs of different customers at the same time, the size of the pores, and the distance of the detection distance.
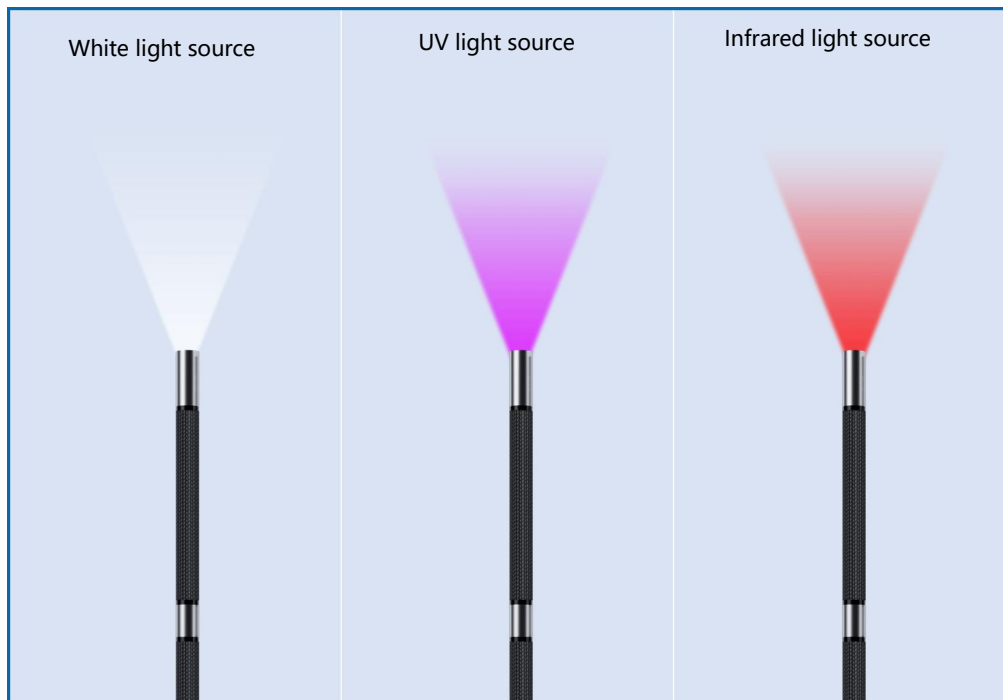
The K series adopts a modular design. The host system module, tube system module and battery module can be removed and separated, compatible with 1.0mm/1.8mm/2.2mm/2.8mm/ 3.8mm/4.2mm/6.0mm/8.0mm direct view/side view/straight side tube system, and can customize 1.0m-30.0m tube length according to customer testing needs.

Multiple Light Sources Optional

The tube system can be matched with a variety of light sources such as white light, infrared light, and ultraviolet light. It can also be equipped with auxiliary lighting: white light/ultraviolet light. According to the test conditions, the selection of light sources can be better detected to better detect the inspection defect.

White light source

UV light source

Infrared light source

Auxiliary light source

Diversity function

The K series is also equipped with a variety of functions such as the standard comparison measurement, detection report, ultra -temperature warning, and intelligent management of files.
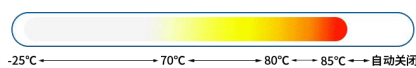
Measurement mode

A variety of measurement modes can be selected: the standard comparison measurement, select the standard reference distance, and refer to the distance to determine the measurement data; compare measurement, the measurement data can be calculated based on the measurement ruler. Multiple measurement modes make measurement more convenient!

Over temperature warning

Real time display internal temperature conditions, temperature ≥ 70 ℃ temperature value shows a yellow warning, the temperature ≥ 80 ℃ temperature value appears red alarm, above 85 ° C, the screen displays an ultra -temperature alarm and automatically close the front camera.

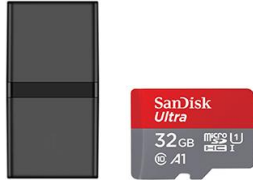-25℃ ——— 70℃ ——— 80℃ —— 85℃ —— 自动关闭

Test Report

After the test is completed, use the shot pictures, with the graffiti reference function, identify the defect location or the qualified text watermark, directly illustrate the situation and processing opinions of the inspection, and finally edit a constructive test report.。

XXX检测报告

单位		被检物	
地点		编号	
检验员		部位编号	

检验情况：

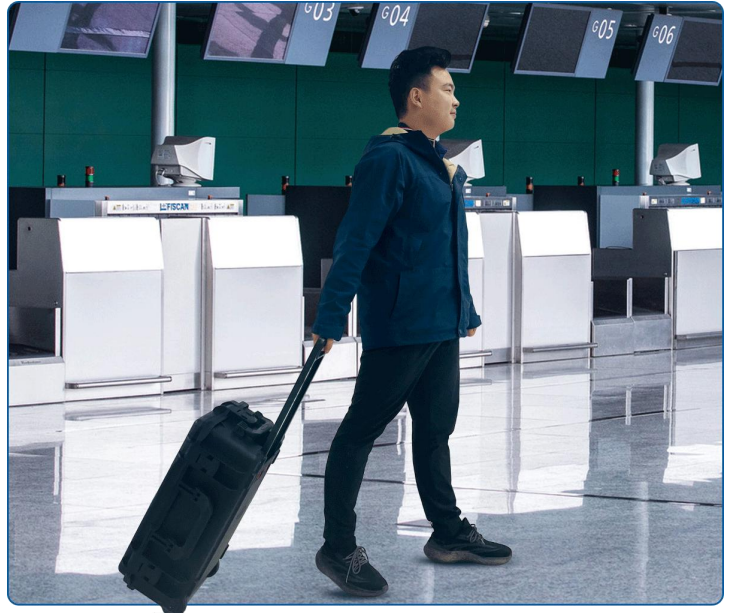| 情况描述 | | 情况描述 | |
| 检测部位 | | 检测部位 | |

Diverse accessories

1 **TF Card/Reader**

The standard capacity
32G TF card,
Maximum compatible
128G capacity

2 **Battery/charging installation**

The battery work time is ≥ 4
hours. The charging device
supports fast charging, and it
can also use fast charging PD
charging bank to emergency
charging.

3 **Auxiliary light source**

White light/UV light
auxiliary light source
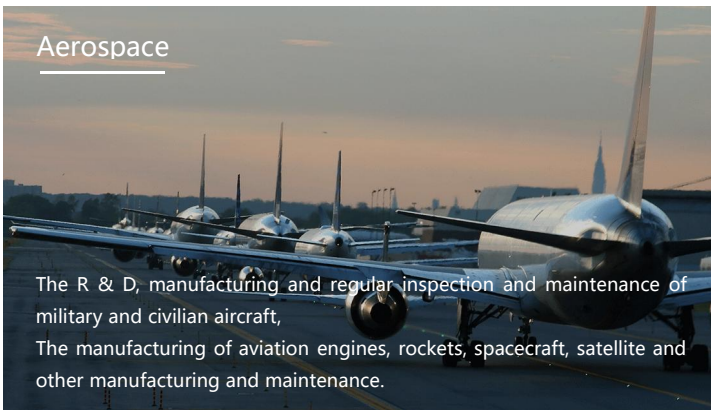can be provided.

4 **Centerer instrument**

The front end of the tube is
fixed in the middle of the
centered fixture, so that the
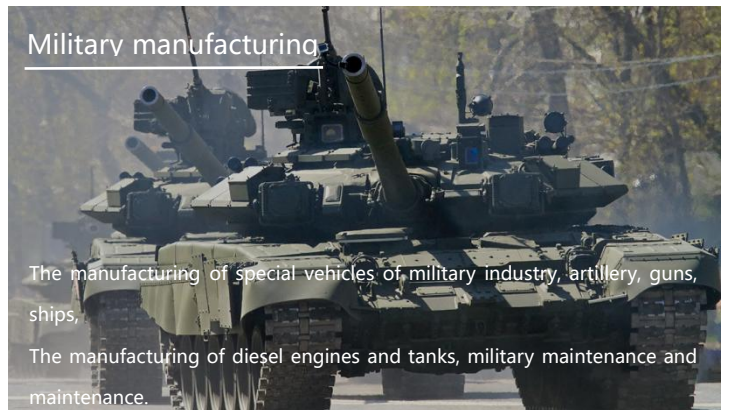lens is always located in the
axis center of the tube.。

Application Field

Aerospace

The R & D, manufacturing and regular inspection and maintenance of
military and civilian aircraft,
The manufacturing of aviation engines, rockets, spacecraft, satellite and
other manufacturing and maintenance.

Military manufacturing

The manufacturing of special vehicles of military industry, artillery, guns,
ships,
The manufacturing of diesel engines and tanks, military maintenance and
maintenance.

Energy Power

Important devices for thermal power,
hydropower, wind power, and nuclear power
units. Check and maintenance regularly.

Special inspection industry

Special inspection institutes, institutes, boilers,
pressure tolerance for special inspection
institutes in various provinces and cities across
the country

Mechanical casting

Plasses plus parts casting, forging testing,
Sinotan oil transmission oil Pipeline detection.

Technical Parameters

Basic parameters

Structure	Hand-held integrated design	**Rotation Mode**	360° Motor driven articulation control
Display	5.7 inches HD touch screen, humanized Interface keys	**Probe Positioning**	Articulation lock, fine turn the probe
Display Resolution	1920*1080	**Working Time**	≥4 hours，support charging while use
Shell material	PC+ABS	**Battery Capacity**	11.1V/3200mAh
Probe material	Titanium alloy	**Light Source （optional）**	White light /infrared light /UV light
Tube material	Movement of wear -resistant tungsten alloy wire	**Auxiliary lighting (optional)**	White light/infrared light
Video output	HDMI same screen output	**Storage Medium**	TF storage card
Audio output (optional)	3.5mm headset plug	**Overall size**	334mm*167mm*132mm
IP grade	Probe, object lens, tube can withstand IP64 waterproof and dust-proof	**Total weight**	About 1.6kg
Operating system	Real time intelligent multi-tasking operating system	**Compatibility**	Compatible with 1.0mm ~ 8.0mm tube system
Data interface	Type-c port、TF bayonet, headphone jack, HDMI video output holes, data refresh holes		
Standard Configuration	Special instrument box、videoscope、battery module, charger、card reader、memory card、data cable、operation manual,certificate etc		

Tube System

Probe diameter (mm)	1.0	1.8	1.8	2.2	2.2	2.8	2.8	3.8/4.2	3.8/4.2	3.8/4.2	6.0/8.0	6.0/8.0	6.0/8.0	6.0/8.0	6.0/8.0
View	Front	Front	Side	Front	Side	Front	Side	Front	Side	Front& side	Front	Front	Front	Side	Front& side
Camera Pixels	40000 pixels	300000 pixels				1000000 pixels				300000 pixels	2000000 pixels	1000000 pixels	450000 pixels	1000000 pixels	1000000 pixels
Image/video resolution	400x400	640x480						1280x720		640x480	1920x1080	1280x720	640x480	1280x720	1280x720
DOF （mm）	3-50	5-50	1-25	5-50	1-25	5-50	5-50	10-100 20-120	5-50 10-100	5-50	10-100 20-120			10-100 20-120	10-100 20-120
FOV	120°	120°	120°	120°	120°	120°	120°	120°	90°	120°	140°	120°	120°	120°	120°
Effective work length	1m	1-1.5m		1-5m							1-3m	1-10m	1-30m	1-10m	1-3m
Articulation	no direction	Two-way		360°/two way		360° all way									
Bending angle	No	210° big angle bending													
Light source	optic fiber	LED		LED/ fiber	LED	LED /fiber	LED	LED/ fiber	LED	LED	fiber	LED/fiber	LED	LED	LED/fiber
Light source regulation	Five -level light source regulation														

Software Function

Image format: png	Guidance control: fast/slow motor-driven guidance adjustment, automatic reset
Video format：MP4, capture the shot during video and also can continue to record after the suspension	Probe lock: articulation lock, step fine adjustment
Image resolution：1920 x1080/1280 x 720/640 x 480	Graffiti notes: text notes, graffiti, watermark
Image adjustment: brightness, contrast, gamma, chroma, saturation, sharpness,white balance	The file can be edited, renamed, and the file name preset

Image Effects：standard ,negative, black-and-white film	Brightness: 5th gear manually adjustment
MDI report generation: select the picture and explain it after editing it to generate a report	Magnifying: 8 times amplification
Automatic recognition: defective automatic identification box selection, quickly mark abnormal point （optional)	Measure mode: standard measurement, contrast measurement
WiFi diagram: Long-distance wireless transmission image, realize multi -terminal observation (optional)	Detective temperature display: probe temperature display, high temperature alarm (option)
Astrobal: manual Word Focus, adjustable to distant coke, medium focus, near focus (customized)	Optical lens can be manually replaced with near -focus/far -focus, direct vision/side vision (customized)