



**VSN DT - FOCUS ON
MANUFACTURING GOOD PRODUCTS**



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SHENZHEN VSNDT CO.,LTD

Professional Industrial Endoscope Solution Supplier



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COMPANY PROFILE



PROFESSIONAL FOCUS

Shenzhen VSNDT Co.,Ltd is a national high-tech enterprise integrating R&D, production, sales, projects and services. Since its establishment, VSNDT have been focusing on industrial endoscopes and non-destructive internal visual inspection industries (NDT), and has rich experience in internal visual inspection and industrial endoscope product development.

QUALITY ASSURANCE

VSNDT has always adhered to the basic concept of honesty and enterprising, creating value for customers and partners, and providing professional endoscope solutions to many well-known customers; VSNDT adhere to open innovation, win-win cooperation, coordinate development with global strategic partners, commit to becoming a new type of enterprise with a complete ecosystem in the field of non-destructive (NDT) solution services.

ONE STOP SERVICE

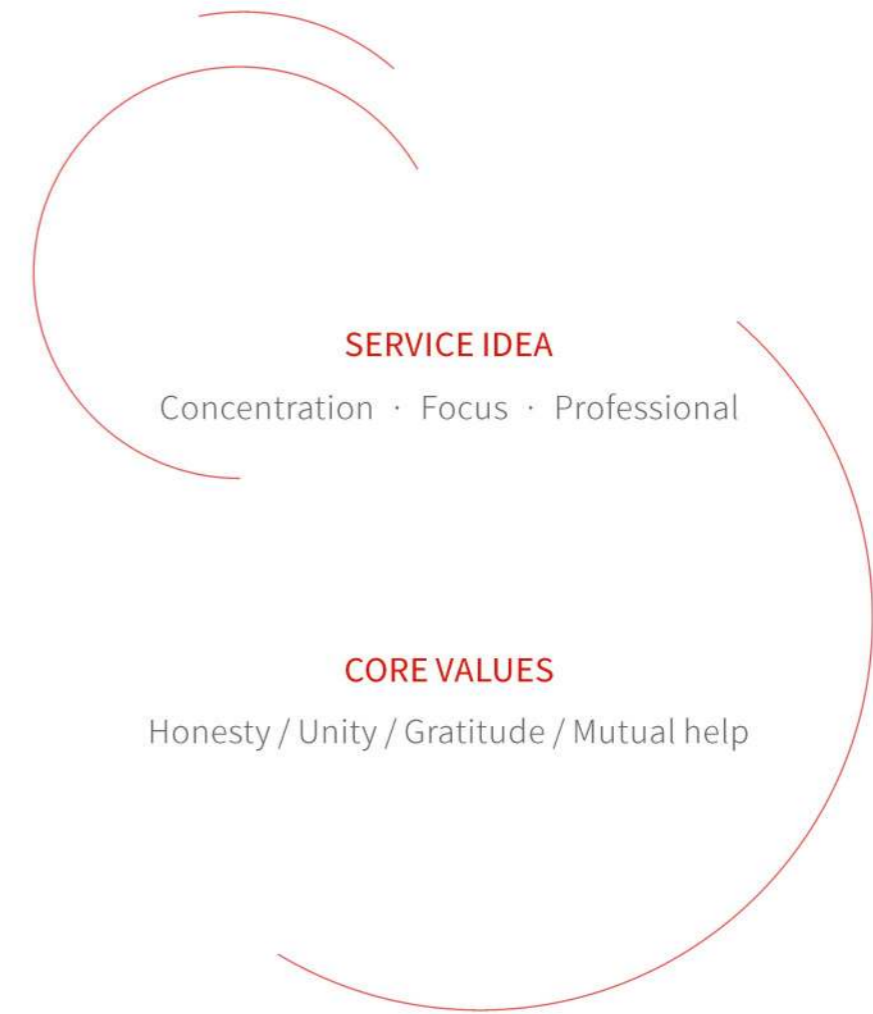
Over the years, VSNDT has launched a full series of intelligent industrial endoscope with professional and technical personnel, advanced technology and strong strength. Applying for a number of national invention patents to meet the diversified needs of different industries, constantly overcome the difficulties of scene visual inspection, and make important contributions to domestic and foreign industries; Win the recognition and praise of customers with high-quality products and professional services, and establish an excellent reputation in the industry.

PERSONALIZED CUS-TOMIZATION



VSNDT - FOCUS ON MANUFACTURING GOOD PRODUCTS

Every step of VSNDT, Practical and weighty, Just because of we are moving forward one step at a time, That makes us go further and firmer.....



CORE VALUES

Employees are the most valuable assets of an enterprise
Start with bits and pieces, start with details
Start with standards, build a harmonious customer-group relationship
Recruit talents and appoint people on their merits,
Professional dedicated, form a first-class elite team

BRAND HISTORY

2017

VSNDT Successfully launched a series of high-end intelligent, precise control, and high-definition endoscopes.

2019

VSNDT won the national high-tech enterprise certification, various industry patents, and passed the quality management system ISO certification.

2021

VSNDT R&D building was put into operation in Songshan Lake Science and Technology Park DongGuang, Guang-Dong, China.

Excitement continues...

2016

Founded in Shenzhen, China. VSNDT entered the industrial endoscope market with resources, talent, technology and capital.

2018

VSNDT Positioned itself as a professional endoscope solution provider, diversified application fields, serve well-known customers around the world.

2020

VSNDT identified as "Science and Technology Enterprises" by Shenzhen Municipal Science and Technology Innovation Commission



HONORARY QUALIFICATION





SERIES PRODUCTS

VSNDT has a number of intelligent integrated series of industrial endoscopes, which has the characteristics of flexible operation, convenient carrying, and intuitive detection. The whole series endoscopes are equipped with ultra-close-focus million high-definition cameras and industrial-grade touch LCD screen, which show details that human eyes are invisible to see. The diameter of the probe is as small as millimeters, and it supports 360° omni-directional head swing, and it can freely shuttle through the interior of non-detachable equipment, the inner surface of narrow gaps, and other special environment. Efficiently detect and record various defects such as corrosion, rust spots, cracks, iron filings etc., to provide a reliable basis for subsequent maintenance and repairs.

At present, VSNDT industrial endoscopes are used all over the world, mainly used in aerospace R&D, manufacturing and maintenance, automobile R&D, production and after-sales, oil and gas chemical industry, shipbuilding, railway locomotive manufacturing, power plants (thermal power, nuclear power, wind power, hydropower), scientific research/university, pot inspection/special inspection, electrical equipment/electronics industry, precision parts processing and manufacturing, machinery manufacturing and other industries.



WS-Y

Handheld Industrial Endoscope

VSNDT WS-Y series are industrial endoscope, is high end intelligent industrial endoscope. This series equipped with 5.7 inch industrial grade touch screen LCD screen, double view dual lens, adopt the Comparative measurement to achieve point-to-point, point-to-line, area measurement, and adopt adaptive noise reduction technology to capture high-definition still pictures.



Product technical parameters

Host	
Display	5.7-inch industrial touch LCD screen
Audio	3.5mm earphone/microphone jack
Dimension	360*160*60mm
Output	VGA video output(Dual screen synchronous display), dual USB output port
Storage	64GB SSD and can be expandable up to 512GB
Power	Special rechargeable lithium battery pack, online charging, battery life ≥ 4 hours
IP Grade	Host IP55, Probe IP67
Operating temperature of the host system	-10°C~70°C, Low temperature without preheating (customized -40°C~85°C)
Storage Temperature	-20°C~80°C
Relative Humidity	Max 95%, No condensation

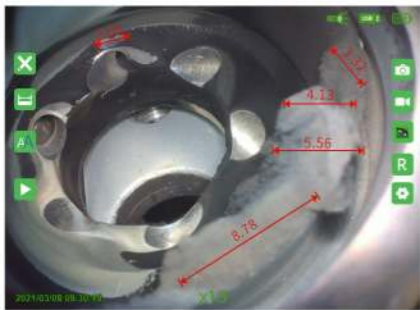
Camera Probe	
Probe Diameter	6mm\4.5mm\3.9mm\2.8mm\2.4mm\2.0mm\1.8mm\1.2mm
Pixel	1000,000 pixels\450,000 pixels\160,000 pixels
Length	1~7m(other customized)
Articulation	360 degrees full directions
Guide swing head Angle	60°~220°
DOF	3mm~30mm, 5mm~120mm, 10mm~200mm, 50mm~infinity
FOV	90°~140°
View direction	Front, side, dual view(Dual screen synchronous display) Front and side switched
Illumination	Rear high power LED fiber optical transmission
Brightness of Illumination	Up to 100000+lux
Operating Temperature	-20°C~80°C

System / software	
Image / video format	Image:JPEG(JPG), Video:AVI
Image control	With freeze, zoom, photo, flip, video playback, analog ruler functions
System language	Chinese (traditional), English and other seven language functions





01 /Comparative Measurement



Measurement by comparison method: the unknown quantity is detected by a known standard quantity for measurement purposes, and the value of the 0.01mm margin is marked.

02 /Automatic Identification of Defects (Optional)



Common endoscope visual detection mainly relies on manual discrimination of defects, which is inefficient and leads to misjudgment or side inspection. Customized automatic detection and defect identification system can improve detection efficiency.

03 /Remote Connectivity



Wi-fi can be used to realize remote connectivity, and the video scenes being tested can be shared with off-site experts for communication and diagnosis, so as to improve detection efficiency and realize multi-directional collaborative remote service functions.

04 /Multiple pipeline options



A variety of lenses and pipelines meet different needs. Optical lenses can be adapted to direct and side view replaceable lenses to meet the needs of actual detection applications.

05 /Smart Editing Pictures



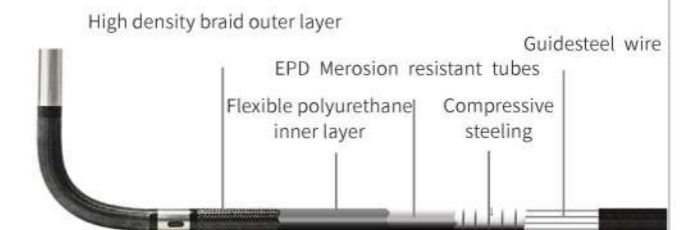
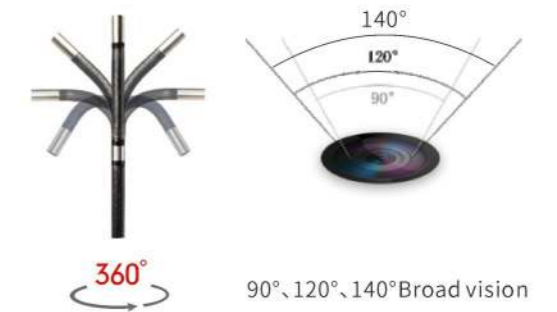
The watermark can be named in Chinese and English, which is convenient to trace the defect brush marks and facilitate the classification of the later detection values.

06 /The Same Screen Display



Two million HD cameras, direct and side view, real-time display of dual-perspective images on the same screen, completely solve the multi-dimensional simultaneous detection of pain points, improve detection efficiency.

07 /Free Rotation



Wear-resistant four-layer tungsten wire weave, 360° omnidirectional swing

APPLICATION AREA

Aerospace Applications:

Users can create customized inspection files for aerospace research and development, aircraft engine turbine blades, combustors crack, body structure frame, and engine cylinder, fuel pipe, oil pressure parts, nozzle parts and other defects repair.



Other fields



CASE LISTS

Service first Customer oriented

Participated in a number of scientific instrument projects, testing, analysis and research under complex working conditions;
Invited to Xi'an Aviation Research and Development International Forum to discuss aviation technology research and development, equipment development and industrialization;



WS-K

Handheld Industrial Endoscope

VSN DT WS-K series industrial endoscope, equipped with 5-inch HIGH-DEFINITION LCD display, 360° all-round guidance articulation function, 720P MEGA HD camera, can intuitively judge whether the observation part is qualified, support photography and video archiving, picture and video clear; This series of industrial video endoscope can be used in precision casting, pharmaceutical manufacturing, automobile manufacturing and other application scenarios.



Product technical parameters

Host	
Model	WS-K series
Dimension	350*155*59mm
Display	5 inch IPS HD LCD
TF card support	32GB(Other optional)
Video output	HDMI HD Interface
Video/Image format	AVI/JPEG(.JPG)
Image control	Freeze, photograph, zoom, flip, video playback, analog ruler function
System language	Chinese (traditional), English and other seven language functions
Battery working time	More than 4 hours
Angle of bending	160 degrees
Pixels	1million \ 450,000 \ 160,000
Length of the insert tube	1m-10m
Probe Dia.	6mm\4.5mm\3.9mm\2.8mm\2.4mm\2.0mm\1.8mm\1.2mm\0.97mm
View of angle	90° \ 120° \ 140°
Depth of field	3-70mm \ 5-100mm \ 8-150mm \ 12-200mm \ 50-infinity
Articulation	360 degrees
Working temp.	-20°C-50°C, low temperature no preheat need
Probe working temp.	-20°C-70°C
Storage temp.	-20°C-60°C
Relative humidity	Max 95%, No condensation
Protection grade	Insert probe IP67, host IP54

APPLICATION AREA

Automotive Manufacturing applications:

Mainly used in automotive maintenance and manufacturing, wind power and other fields, using industrial endoscope to detect the engine internal components of carbon accumulation, wear, abnormal sound cause, corrosion and other faults. Inspection and maintenance of nozzle, cylinder head and turbocharger.



Other fields



CASE LISTS

Service first Customer oriented

Many times invited to participate in the auto parts advanced manufacturing technology seminar; 2021 the third Wuhan Auto Parts Manufacturing Technology Manufacturing Seminar; The 10th International Automotive Powertrain Intelligent Manufacturing Summit in 2021; Undertake technical analysis of automobile industry for BYD, Anhui Automobile Manufacturing, Great Wall Motor Power, BMW and other industries.



WS-P

Handheld Industrial Endoscope

WS-P series industrial endoscope is a newest video endoscope product launched by VSNDT, with mega pixel High-definition camera, clear and delicate picture quality, the insertion tube is oil-resistant, wear-resistant, and waterproof; it can intuitively judge the viewing angle. Whether the test part is qualified or not, it supports photo and video archiving, suitable for aerospace manufacturing, automobile manufacturing, medical pharmaceutical manufacturing, industrial casting and other fields, it has wide range of applications.

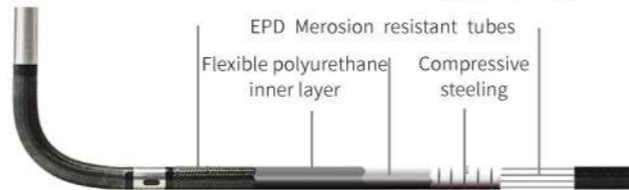
Mega pixel HD camera



Tungsten wire precision weaving, durable usage

High density braid outer layer Guidesteel wire

EPD Merasion resistant tubes
Flexible polyurethane inner layer Compressive steeling



6 inch 1080P LCD screen

6"



1.2mm-6mm various diameter probes for optional



Mobile phone remote WIFI connection
Can carry multiple mobile phones (optional)



360° full direction articulating



8 hours long battery life



Insertion tube and probe
Waterproof, oil-resistant
and anti-corrosion

Product technical parameters

Host/System	
Host dimension	375×175×78mm
Screen	6 inch HD screen (1920x1080)
File storage capacity	TFcard 32G (Other optional)
Video output	HDMI video output port
Image/Video format	JPEG (JPG)/AVI
Image control	Freeze, zoom, take photo, flip, video playback, analog ruler function
System language	Chinese, English etc
Battery life	≥8 hours
Storage temperature	-20°C~60°C
Relative temperature	Max 90%, No condensation
IP grade	Host P54
Probe/Camera	
Probe length	1m~10m
Camera diameter	6mm/4.5mm/3.9mm/2.8mm/2.4mm/2.0mm/1.8mm/1.2mm
FOV	90°/120°/140°(Optional)
DOF	3~70mm/5~100mm/8~150mm/12~200mm/50~Infinity
Articulation	360° Full direction articulation
Illumination type	Rear LED fiber optic conduction, white light illumination
Probe working temperature	-20°C~70°C
IP Grade	Probe IP67
Bending angle	≤160°
Camera resolution	≥100W Pixel



Use environment



Aerospace manufacturing



Car manufacturer



Industrial manufacturing



Wind power

WS-F

Industrial Endoscope

VSNDT industrial video endoscope WS-F series is mainly used for online video detection. The image is delicate and clear, and the front-end probe can be customized according to the actual working conditions. It is mainly used in automobile manufacturing, aerospace, precision casting and other visual detection scenes.



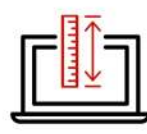
10-inch, 15.6-inch HD touch screen



Support interchange different type of probes



Stable signal, long working time



Can be equipped with comparative method measurement system



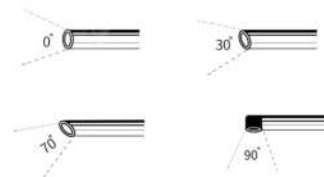
Wall-mountable



Desktop



Multi angle optional



Product technical parameters

Host	
Display	10 inch, 15.6 inch industrial control touch LCD screen
OS	Windows
Output	VGA, USB
Power	On line adapter current input
Protection grade	Probe insertion tube IP67

Camera	
Insertion tube diameter	7mm\6mm\5mm\4.5mm\3.9mm\3mm\2.8mm\2.4mm\2.0mm\1.8mm\1.2mm
Pixel	1.0 MP \ 450,000 \ 160,000
Insert tube working length	Customizable length
Oriented	One\Two\Four ways\Customized direction
Guide swing head Angle	0°\30°\70°\75°\90°(Customizable others)
DOF	12mm~200mm\8mm~150mm\3mm~700mm
FOV	90°\120°\140°
Visual direction	Front view\Side view\Dual view
Illuminated type	Rear high power LED fiber optical transmission illumination
Observation angle	0°\30°\70°\90° for optional or customized according to the service environment
Insert Probe type	Interchangeable (support different probes)

Casting preferred



APPLICATION AREA

Precision casting areas application:

High-end customized equipment, consumable materials design. It can be used for quality control and blind hole, straight hole and staggered hole detection in various precision machining, wool embryo casting and mechanical machining processes. All kinds of die casting holes in the inner cavity, lack of material, slag, runner and other visual detection.



Pipeline inspection



parts inspection

Other fields



Casting industry



Precision machining



Mechanical processing

CASE LISTS

Service first customer oriented

When you are in the inspection services business, you need portable and reliable NDT equipment to do your job as efficiently as possible. Adhere to the open innovation, win-win cooperation, and the coordinated development of the global strategic partner, to become with endoscopic solution.



WS-J

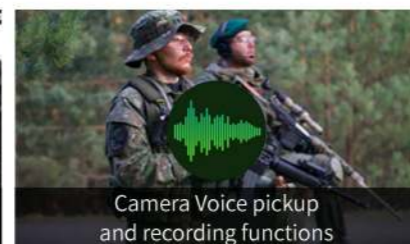
Handheld Industrial Endoscope

WS-J Military police series is ultra-far infrared HD recording endoscope, equipped with 5-inch HD LCD screen, can still be clearly seen under the hot sun; Equipped with ultra-far infrared high-definition camera, the camera side supports real-time recording, which can be used in criminal investigation, security check, explosive disposal, drug control, anti-smug-gling, search and rescue and other fields, with a wide range of applications.



Product technical parameters

Host	
Size	350*155*59mm
Display screen	5.0 inch IPS industrial LCD screen
Storage	32G TF Card (Other optional)
Video output	HDMI Video output
Image/Video	JPG/AVI
Image Control	Freeze, photograph, zoom, flip, video playback, analog ruler function
System language	Chinese (traditional), English and other seven language functions
Power supply	≥4 hours
Insert tube diameter	Φ6.0mm Φ3.9mm
Illumination type	Rear LED fiber optical transmission illumination
Pixels	1.0 MP 450,000 pixels
Length probe	1m-5m (Others customized)
Articulation	360 degrees
Bending angle	160 degrees
DOF	50mm~infinity
Infrared wavelengths	No red exposure 940nm, red exposure 850nm
View angle	75°/ 84°
Probe material	Tungsten wire braided
Operating temperature	-10°C~50°C, low temperature without preheating
Probe working temperature	-20°C~70°C
Storage temperature	-20°C~60°C
Relative humidity	Maximum 90%, no condensation
Protection grade	Probe insertion tube IP67



APPLICATION AREA

Police security areas:

Mainly used in public security, armed police, fire, customs and other departments, used in criminal investigation and explosive disposal, security, anti-smuggling, search and rescue and other related work, overall light weight, easy to carry, simple operation, high reliability, etc, can be realized in narrow space more flexible used.



Other fields



CASE LISTS

Service first Customer oriented

Law enforcement officers need the professional tools to do their jobs efficiently and safely. Whether it's finding hidden smuggled goods at the border or analyzing the chemical composition of suspect materials, advanced inspection solutions play an important role. Police were used to view inaccessible areas, such as sealing cargo containers, to directly search for illegal material, can be realized in narrow space more flexible used.



WS-R

Infrared thermal imaging endoscope

WS-R infrared thermal imaging endoscope is launched by VSNDT, mega pixel high definition cameras, clear and delicate picture quality, the insertion tube is oil-resistant, wear-resistant and waterproof. Infrared thermal imaging technology function is added to WS-R series, which can accurately capture abnormal hot spots, making it more precise. Precisely locate the fault point, Suitable for extreme monitoring environments such as high temperature, radiation, and toxic gases; Industry, car maintenance, police security and other fields for testing operations.



Product technical parameters

Host/System	
Host dimension	350×155×59mm
Screen	5 inch HD screen (1024x768)
File storage capacity	TFcard 32G (Other optional)
Video output	HDMI video output port
Image/Video format	JPEG (JPG)/AVI
Image control	Freeze, zoom, take photo, flip, video playback, analog ruler function
System language	Chinese, English etc
Battery life	≥4 hours
Storage temperature	-20°C~60°C
Relative temperature	Max 90%, No condensation
IP grade	Host P54
Probe/Camera	
Probe length	1m/2m
Camera diameter	16.5mm
FOV	120°
DOF	0~Infinity
Articulation	360° Full direction articulation
Illumination type	Rear LED fiber optic conduction, UV light/white light for optional
Probe working temperature	-20°C~70°C
IP Grade	Probe IP67
Bending angle	160°±10°
Camera resolution	≥100W Pixel
Temperature measurement range	20°C~150°C
Temperature measurement accuracy	-20~0°C (±7°C)、0~35°C (±5°C)、35-150°C (±3%)

Use environment



WS-JP

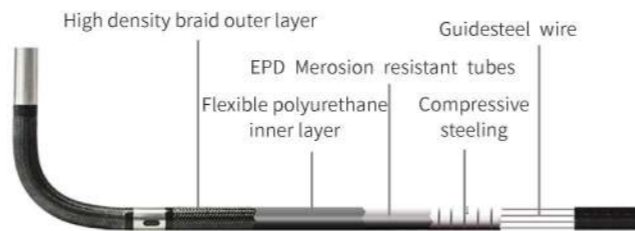
Ultra far infrared high definition observation borescope

WS-JP Ultra far infrared high definition observation borescope is newest launched by VSNDT, with mega pixel high-definition cameras, clear and delicate picture quality, the insertion tube is oil-resistant, wear-resistant and waterproof. Infrared imaging technology function is added to WS-JP series, which can accurately capture abnormal points in dark places. At the same time the camera side supports real-time recording, which can be used for criminal investigation, security inspection, EOD, anti-drug, anti-smuggling, search and rescue, etc. Fields, a wide range of applications.

HD infrared camera



Tungsten wire precision weaving, durable usage



6 inch 1080P LCD monitor

6"

Mobile phone remote WIFI connection
Can carry multiple mobile phones



Camera Voice pickup and recording function

Real-time Monitoring (Optional)



360° full direction articulating



8 hours long battery life



Insertion tube and probe
Water and oil resistant
and corrosion resistant

Product technical parameters

Host/System	
Host dimension	375×175×78mm
Screen	6 inch HD screen (1920x1080)
File storage capacity	TFcard 32G (Other optional)
Video output	HDMI video output port
Image/Video format	JPEG (JPG)/AVI
Image control	Freeze, zoom, take photo, flip, video playback, analog ruler function
System language	Chinese, English etc
Battery life	≥8 hours
Storage temperature	-20°C~60°C
Relative temperature	Max 90%, No condensation
IP grade	Host P54
Probe/Camera	
Probe length	1m~6m
Camera diameter	6mm/3.9mm
FOV	75°/84°
DOF	50~Infinity
Articulation	360° Full direction articulation
Illumination type	Rear LED fiber optic conduction, white light illumination
Probe working temperature	-20°C~70°C
IP Grade	Probe IP67
Bending angle	60°~170°±10°
Camera resolution	≥100W Pixel



Use environment



WS-G

Handheld Industrial Endoscope

VSNDT WS-G series is HD high resolution industrial endoscope. This endoscope can perform NDT inspection that is invisible to human eyes without disassembling and destroying the inside of the device, it clearly shows the internal situation, and quickly detect many defects, such as pores, lack of material, veins, and defects in the processing process. Burr, cleanliness of the clear process, etc.



Product technical parameters

Host	
Model	WS-G series
Dimension	350*155*59mm
Screen	5 inch IPS HD LCD
Storage	32GB TF card (max 128GB)
Video Output	HDMI HD Interface
Image/Video Format	AVI/JPEG(.JPG)
Image Control	Freeze, photograph, zoom, flip, video playback, analog ruler function
System Language	Chinese (traditional), English and other seven language functions
Battery Charging Time	More than 4 hours
Steering swing angle	≤160°
Resolution	≥1million
Length	1m-10m
Diameter	6mm\3.9mm
View Angle	90° \ 120° \ 140°
DOF	5-100mm \10-120mm
Orientation	360 degrees
System working temperature	-10°C-50°C, low temperature no preheat need
Probe working temperature	-20°C-70°C
Storage temperature	-20°C-60°C
Relative humidity	Max 95%, No condensation
IP grade	Insert probe IP67



APPLICATION AREA

Manufacturing field:

Inspection probe of WS-G series industrial endoscope is Oil-resistant and waterproof, more wear-resistant, easy to use, and cost-effective, it is undoubtedly an important testing equipment for enterprises to conduct manufacturing, maintenance and quality control, and at the same time, it can minimize the subsequent maintenance costs.



Other fields



CASE LISTS

Service first Customer oriented

WS-G series can quickly understand the internal faults of steam turbines, gas turbines, gearboxes, etc. more quickly and effectively, and check defects such as rust spots, cracks, corrosion, and corrosion welds. so as to minimize downtime and optimize the maintenance plan; In some narrow internal passages and small spaces, we provide handheld portable industrial endoscopes. The solid protective design can effectively protect your equipment. The powerful battery power supply guarantees you more high-quality endoscopic image inspection.



WS-KG

High temperature resistant industrial endoscope

The WS-KG series of high temperature catheter industrial endoscopes is the latest product of VSNDT to test in high temperature environment the endoscope product is equipped with a unique air-cooling design system, which can effectively reduce the temperature of the camera at 300°C under the degree can also carry out the detection work, greatly convenient detection in the temperature of the limitations; Can be applied to all kinds of high temperature under the extreme detection environment, it is a functional more practical detection tool.

• Rear fiber optic light illumination



• 300 °C high temperature working environment



• Design air cooling system to reduce camera temperature



• Bending control: Mechanical 360° omnidirectional bending



5"

• 5 "high-definition liquid crystal display

• Ultra long battery life of more,combined battery



Product technical parameters

System / software	
Image / video format	Image:JPEG (JPG), Video:AVI
Image control	With freeze, zoom, photo, flip, video playback, analog ruler functions
System language	Chinese (traditional), English and other seven language functions
Use environment	
Bending angle	≤220°
Operating temperature of host system	-10°C~50°C
Working temperature of video probe	-20°C~300°C
Storage temperature	-20°C~60°C
relative humidity	Max 95%, No condensation
Protection level	IP54
Host parameters	
Size	350*155*59mm
Battery life	≥4 hours
LCD screen	5 inch industrial touch LCD screen (1024x768p)
Storage	32G TFcard (Other optional)
Video output	HDMI video output
Front end	
Pixel	≥1MP
Insert tube diameter	Φ6mm-Φ8mm (Optional)
Effective working length of insert pipe	1m~5m
Field angle	120°
Depth of field	12~200mm
Guide	Mechanical 360° omnidirectional bending



Use environment



WS-Z

UV industrial endoscope

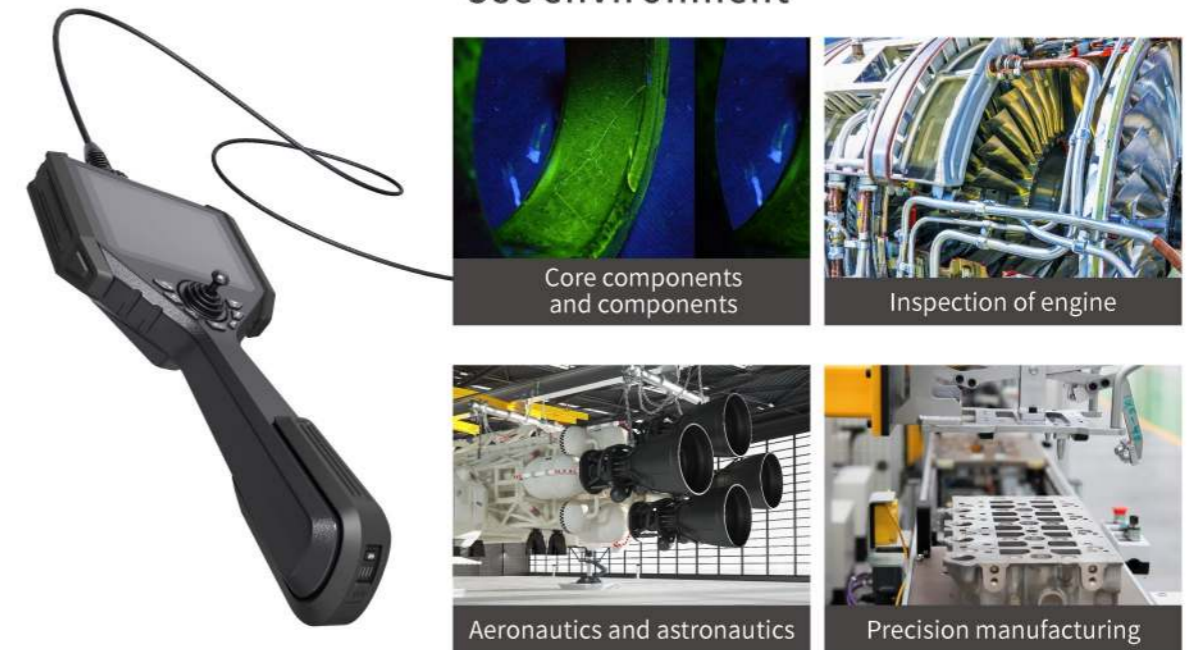
WS-Z series UV fluorescence industrial endoscope, is launched with a new function inside Speculum products, equipped with a unique UV lighting system, UV/white light double switch, Under the irradiation of ultraviolet lamp, there will be a strong sense of fluorescence, the detection of fault is more sensitive, accurate identification of the surface. In a variety of open defects; Z series is suitable for precision casting, petrochemical industry, railway construction Repair industry, is a more convenient detection tool.



Product technical parameters

Host/System	
Host dimension	350×155×59mm
Screen	5 inch HD screen (1024x768)
File storage capacity	TFcard 32G (Other optional)
Video output	HDMI video output port
Image/Video format	JPEG (JPG)/AVI
Image control	Freeze, zoom, take photo, flip, video playback, analog ruler function
System language	Chinese, English etc
Battery life	≥4 hours
Storage temperature	-20°C~60°C
Relative temperature	Max 90%, No condensation
IP grade	Host P54
Probe/Camera	
Probe length	1m~3m
Camera diameter	6mm
FOV	120°
DOF	10~200mm, 50mm~Infinity(Optional)
Articulation	360° Full direction articulation
Illumination type	Rear LED fiber optic conduction,UV light/Dual light source for optional
Probe working temperature	-20°C~70°C
IP Grade	Probe IP67
Bending angle	100°、130°、150°
Camera resolution	≥100W Pixel

Use environment



WS-TC

speedlink mobile phone endoscope

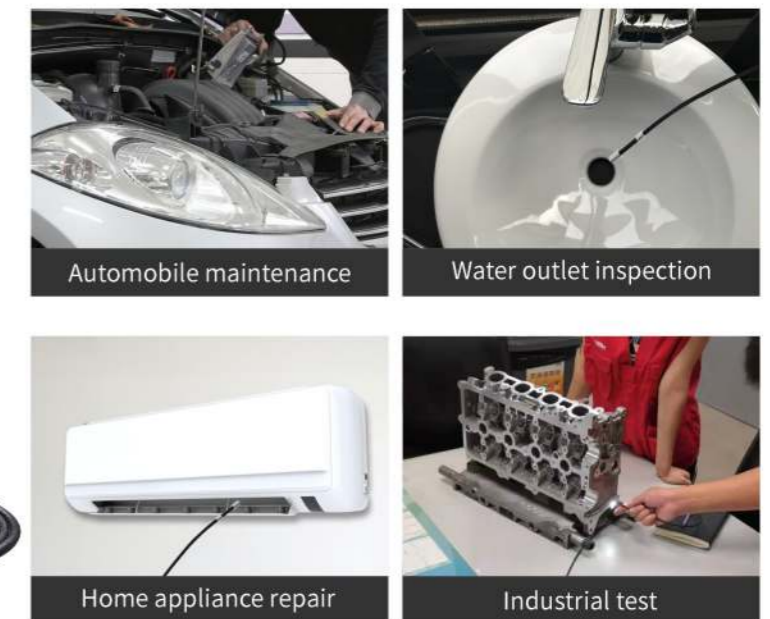
VSNDT speedlink mobile phone endoscope WS-TC series, is a million HD video detection product launched by VSNDT company. The image is delicate and clear, and high-definition video or pictures are captured in real time, providing inspectors with convenient, fast and professional visual inspection. Applicable to various detection environments, such as: automobile maintenance, sewer inspection, home appliance maintenance, industrial inspection, and other scenarios.

- Mega HD Pixels
- Intelligent protection for high temperature warning
- 360 degree all-round guidance function
- Ergonomic design for one-handed operation
- USB port plug and play
- One-click recording
- Compatible with iOS, Android, Windows, Hongmeng and other systems
- TYPE-C charging port

Product technical parameters

Tube, probe			
Camera pixels	1.0MP	DOF	20mm-∞
Probe diameter	6mm	Tube length	1.0m
Articulation Angle	360degrees full way articulation	Tube materials	Wear resistant flexible metal Tube
Bend angle	Max210°	Illumination type	LED illumination
FOV	100°	Illumination Level	Four levels adjustable
Host			
Display	connects to an external cell phone	Battery capacity	2600mAh
Compatible system	Android, IOS, Harmony, Windows	Working time	About 2hours
Port	USB/Type-C	Storage Medium	Internal storage

Use environment



WS-M

Audio and video endoscope

WS-M series, is a million high-definition video telescopic detection products, the image is delicate and clear, real-time shooting high-definition video or pictures, to provide convenient and quick professional visual inspection for inspectors. Can be applied to all kinds of detection environment, such as: earthquake search and rescue, fire rescue, safety inspection, public security armed police, anti-terror and explosive disposal, etc.

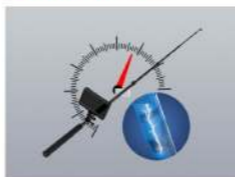
8 LED 7 speed brightness adjustable



360° full swing head



6 hours extra long endurance



7 inch big screen Digital HD, No delay



Screen rotate, zooms 4 times



8.5m carbon fiber



Two way intercom/ Monitor/Video/Photo



5 million camera pixels



Product technical parameters

Probe head		7 inch HD display	
Camera device	HD chip	Screen resolution	1024X600
Pixels	5 million pixels	Video resolution	1080P
Light source	8 LED (7 levels of brightness adjustable)	Picture resolution	3200X1800
Lens	3.6mm F1.2 (H)120°	Battery capacity	7500mAh
Camera rotation	360° horizontal & vertical rotation	Video storage	AVI
Focal length	20-100cm	Memory Card	TF card 32GB (Other optional)
Size	34.5 x 51.5mm	Port	USB 2.0
Lighting	2-5m	Language	Various
telescopic rod	Tod retracts:1.38m; Expand about 8.5m	Recording time	≥6 Hours

Use environment



WS-MS

HD Telescopic Endoscope

VSNDT HD Telescopic Endoscope series is a million HD video telescopic detection product launched by SZWISE company. The image is delicate and clear, and high-definition video or pictures are captured in real time, providing inspectors with convenient, fast and professional visual inspection. It can be applied to various detection environments, such as vehicle inspection, sewer inspection, high-altitude inspection, engineering monitoring, security inspection blasting and other scenarios.

- 5 million camera pixels
- 6 Invisible Infrared Lights/ Lighting Led
- 360° Omnidirectional
- HDMI interface external large screen
- 7 inch big screen Digital HD, No delay
- 6 hours of ultra-long battery life
- Monitoring, video recording, photographing
- Screen rotation
- 5 meters telescopic pole

Product technical parameters

Probe		7 inch HD display	
Diameter	19.5mm	Video resolution (16:9)	HDMI:1920*1080;1280*720
Camera sensor	1/3 CMOS SONY	Battery capacity	7500mAh
Pixel	5M pixels:3200 (H) × 1800 (V)	Video Storage	AVI
LED lights	6 high-brightness LED lights	Image format	JPG 5 million
Lens	0.5mm F1.2 105 °	Storage card	TF card 32GB (Other optional)
HDMI	FPD-LinkIII	Operating system	Windows & Mac OS
Size	19.5 x 30mm	Port	USB 2.0/AV-OUT
Cable (4-core high-speed cable)	Diameter:4.5 mm Length: 6 meters	Language	Multiple
Detection rod	Telescopic rod retraction: 1.13 meters; unfolded about 5 meters	Recording time	≥ 6 hours

Use environment

- Vehicle inspection
- High-altitude inspection
- Sewer Inspection
- Dangerous Search and Rescue

WS-MC

Mobile HD Telescopic Endoscope

Micro-vision vehicle inspection mirror WS-MC series, a million high-definition video telescopic inspection product, with delicate and clear images, real-time shooting of high-definition video or pictures, providing inspectors with convenient, fast and professional visual inspection. Applicable to all kinds of detection environments, all kinds of cars, automobiles, engineering vehicles, off-road vehicles and other vehicle bottom inspection; dangerous search and rescue: tunnels, tunnels, wells, water wells, elevator shafts, rails, mines and other search and rescue work; anti-terrorism: customs, road inspection and a series of anti-terrorism detection.

• 16pcs Bright LED



• 5 million camera pixels



• HDMI port external large screen



• 7 inch big screen Digital HD, No delay



• Display sunshade



• 6pcs Bright LED



• 360° Omnidirectional



• Screen rotation



• Monitoring, video recording, photographing



• 1.88m telescopic pole

Product technical parameters

Chassis camera		Hose camera		7 inch HD display	
Camera device	1/2.5 CMOS Sensor	Camera device	1/3 CMOS Sensor	Screen resolution	800X480
Pixels	5 Million	Pixels	5MP	Video resolution	1080P
Light source	16pcs LED light source	Light source	6pcs LED light source	Picture resolution	3200X1800
Lens	3.6mm F1.2 105°	Lens	0.5mm F1.2 105°	Battery capacity	7500mAh
Video	FPD-LinkIII	Video	FPD-LinkIII	Video storage	AVI
Wheel	Universal wheel	Camera size	18 x 28mm	Memory Card	TF card 32GB (Other optional)
Size	37 x 46mm	Hose length	25cm	Port	USB 2.0/AV-OUT
Telescopic rod				Language	Various
Size	Tod retracts: 58cm; Expand about 1.88m		Recording time	≥6 Hours	

Use environment





ORIGINAL MANUFACTURER

Shenzhen Vsndt R&D Building has a strong product R&D and production and assembly team. At present, with professional R&D team and advanced technology, the company's products have been developed all over the world and sold at home and abroad; the scope of application includes aerospace , oil and gas chemical industry, automobile manufacturing, railway ship and other industries



All-round product ecological chain research and development platform

Quality assurance, personalized customization, global service

Independent research and development

Integration of new product R&D, design, production and sales services

Hot sales

Years of experience in product development, a variety of intelligent new products are on sale

Global coverage

A number of product R&D patents covering the needs of global customers

Special customization

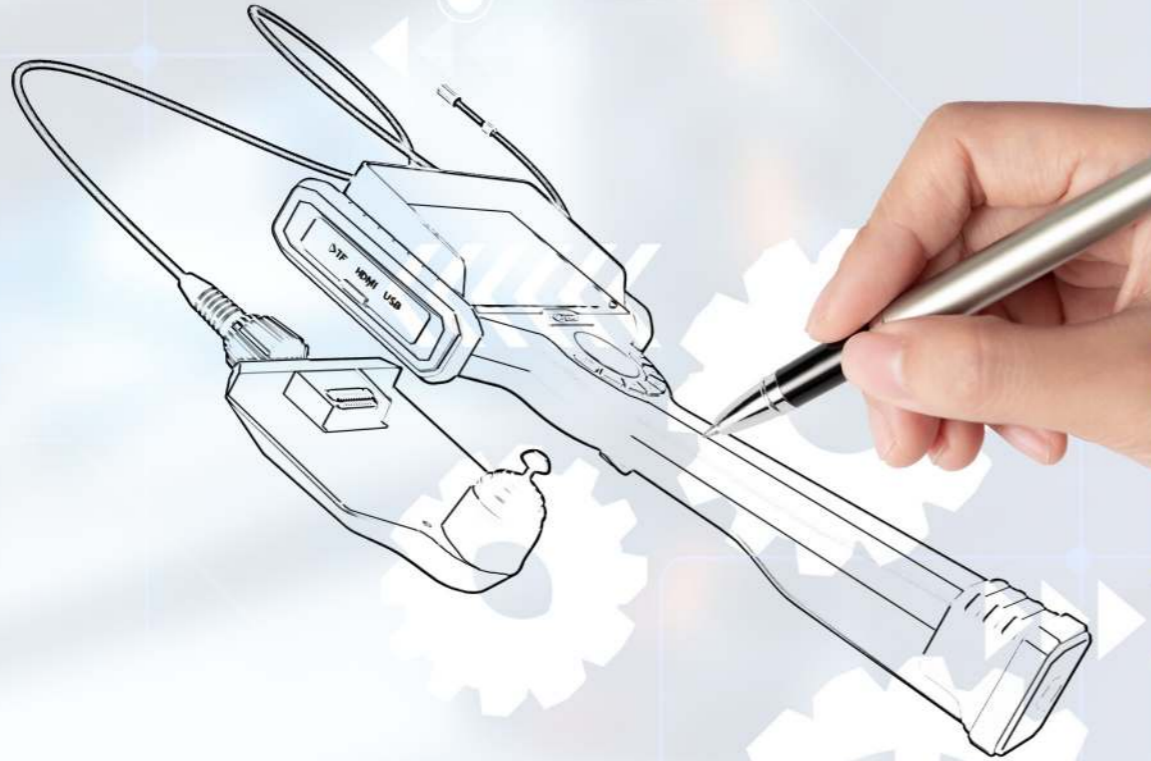
Special product customization service to meet the needs of different customers



COOPERATIVE PARTNER

 GREE 格力	 TOYOTA	 上海大众汽车 SHANGHAI VOLKSWAGEN
 中国南方航空 CHINA SOUTHERN	 南京航空航天大学	 中国北方航空公司 CHINA NORTHERN AIRLINES
 mindray 迈瑞 生命科技如此亲近	 BYD	 中国兵器工业集团公司 CHINA NORTH INDUSTRIES GROUP CORPORATION
 CCAG — 中国长安 —	 深圳航空 Shenzhen Airlines A STAR ALLIANCE MEMBER	 HNA 海航集团

 中国中车 CRRC	 SOUTHWEST OFFICIAL AIRLINE OF THE SAN ANTONIO SPURS	 东海航空 DONGHAI AIRLINES
 四川航空 SICHUAN AIRLINES	 深圳市智能机器人研究院 Shenzhen Academy of Robotics	 上海交通大学 1906
 中国科学院	 海南航空 Hainan Airlines	 中广核 CGN
 中国东方航空 CHINA EASTERN	 春秋航空 CHUNQIU AIRLINES	...



CUSTOM DEVELOPMENT

Personalized customized products change due to demand

Rich experience in professional product R&D and customization, We can provide customers with exclusive design solutions, welcome to consult and understand.



VSNDT