

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 ≥ 4hours
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



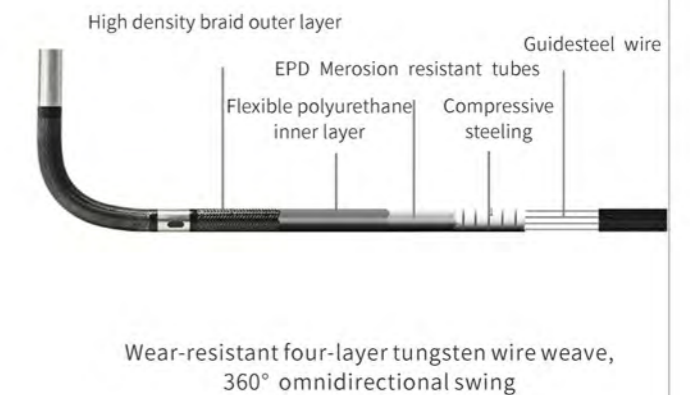
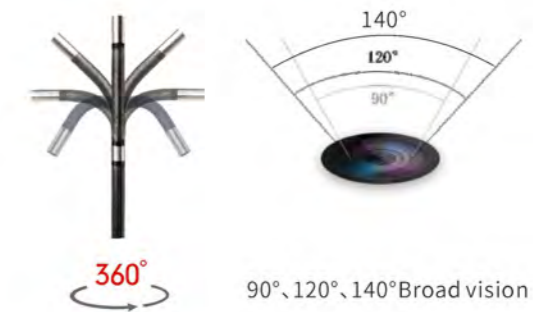
The watermark can be named in Chinese and English, which is convenient to trace the defect brush marks and facilitate the classification of the later detection values.

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



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;



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