

HD Intelligent Videoscope

VH510 Series



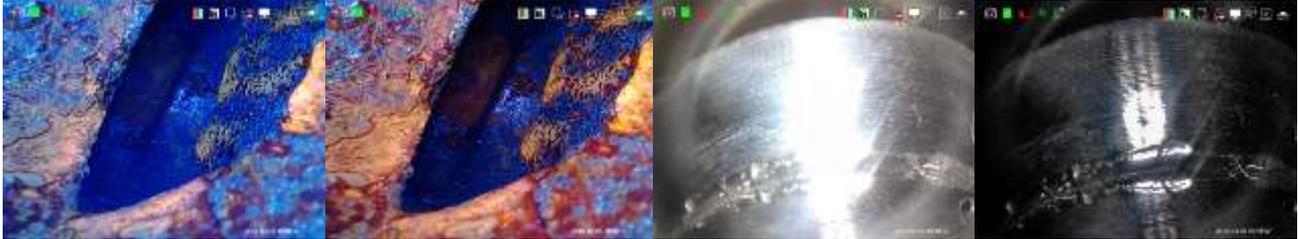
NDT Supply.com, Inc.
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INTELLIGENT SOFTWARE

Strong intelligent image processing system: with the functions of mage rotation, white balance, exposure control, negative film and zoom in & out, comparative measurement, it can meet all kinds of complicated inspection needs.



White Balance: Auto white balance with strong color reduction;
manual-control white balance according to inspection needs.

Exposure Setting: exposure suppression--the polished object is also inspected clearly; exposure compensation--when checking large cavity, it can be more effective and clearer



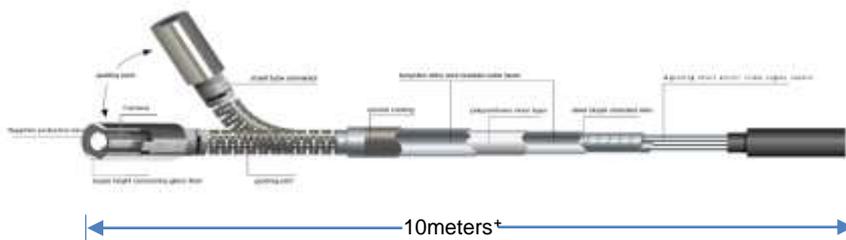
Normal Mode: HD image effect

Negative Film Mode: Enhance the ability to compare and analyze the internal defects of the inspected objects.

Support 8X zoom in/out

FLEXIBLE ARTICULATION CONTROL

360 ° joystick-control articulation, damping type positioning design, precise probe locking technology, make the detection more accurate and efficient. Independently developed technology of long-distance transmission ensures bending angle $\geq 100^\circ$, even the tube reaches 10 meters.



360° precision articulation



maximum bending angle $\geq 190^\circ$

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STRONG HARDWARE

VH510 series videoscope is module designed. Configured with 5.1 inches HD display, it can be interchangeable with 3.5 inches small display, suitable for different inspection requirements. The monitor and probe can be separated by one button. It is compatible with different diameter tubes like: 2.0mm/2.2mm/2.8mm/3.9mm/6mm, as well as 3.9mm&6mm sideview tubes and 6mm dual lens tube.



High temperature alarm function: Orange alarm when the temperature is above 65 °C; Red alarm and shutdown when the temperature is more than 80 °C.

The image can be outputted to HD display by HDMI.

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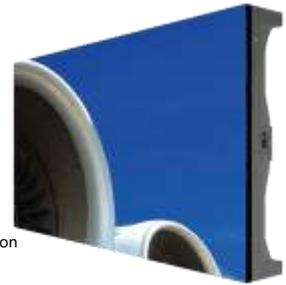




Original dual battery design, 8 hours working time; real-time battery indication



light transmission
ratio ≥ 95%



Technical Specification:

Series		VH510 HD Intelligent Videoscope			
Tube System	Probe Diameter(mm)	Φ2.2	Φ2.8	Φ3.8	Φ6
	Camera Pixels	400X400	640X480	1280x720	
	Display Resolution	640×480		1280×960	
	DOF	3mm-50mm/5mm-80mm		10-100mm/5	
	FOV	90°/120°			
	Viewing Direction	0° front view/ 90° sideview/ front view& sideview dual lens			
	Light Source	Front ceramic light/ Rear-mounted optic fiber cold			
	Illuminance	Maximum: 100000+Lx & 0~9 levels adjustable light			
	Tube Length	1.0m (Customized Size)	1.0m (Customized Size)	1.0m (Customized Size)	1.0m (Customized Size)
	Protecting Device of Durability	42mm buffer protection device between tube and handle			
	Articulation	2-Direction / 360° joystick-control articulation			
	Bending Angle	Maximum: 190°			
	Probe Positioning	Damping positioning & articulation lock device			
	Wi-Fi Transmission	Image transmission to Mobile phone, computer by Wi-Fi(optional)			
Display Monitoring System	Display	5.1" color IPS display, all sight viewing angle, sunshade design			
	Display Resolution	640x480 or 1280x960			
	Zoom In/Out	8X			

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	Language	English / French / German / Spanish / Japanese / Traditional Chinese / Simplified Chinese / Russian / Korean
	White Balance Suppression	5 levels adjustable
	White Balance	Auto white balance, automatically adjusts and eliminates speckles to achieve optimal images.
	Image Effect	Negative film/ black & white/standard
	Temperature Indication	High temperature alarm (optional)
	IP Level	Probe/tube: IP67
	Software Function	Playback, image parameters adjust and rotate
	Structure	Hand-held integrated design
	Image/Video Format	JPEG/MOV
	Comparative Measurement	Use measuring probe and analog scale to compare and analyze the internal defect and size of the inspected object.
	Data Port	HDMI video output, Micro USB port with water & dust proof device
	Working Time	≥8h
	Battery Capacity	3.7V, 3200mAh×2
	Power Charge	DC5V, 1A
	Weight	≤0.8Kg
	Compatibility	Interchangeable monitor and tube with different diameters
Accessories	Standard Configuration	Instrument case: 1pc; videoscope: 1 set; battery: 2pcs; card reader: 1pc; 32G. TF card: 1pc; charger: 1pc; USB cable: 1pc; user manual: 1 set

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