Portable
HD Industrial Endoscope

Inspector S with HD Revolution

RVI
Infinity
Innovation

Distributed By

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More details

Inspector S

Portable HD industrial endoscope

Today, visual inspection is more important than ever to reduce the
of occurrence, serious equipment failure and improve uptime, becaus
the more you know about your assets, the better chance you have of
spotting potential problems before they affect productivity issues.

The latest Inspector S all-in-one handheld high-definition videosco
provides superior accuracy in even the toughest inspections for the
highest probability of detection of defects such as common pitting
cracking and corrosion.

More accurate detection

The latest technology
HD Resolution
Fast Probe exchange

HD with the latest technology video imaging components

Equipped with the latest technology of high-definition imaging components resolution up to 1280x720, available pixels up to 921,600.00,high-intensity power light source and excellent visual processor, so as to provide you with clearer still pictures and videos to help operators determine defects faster and more accurately.

Advanced probe interchangeable technology

The probe can be replaced quickly according to different working conditions. The diameter of the probe is available of 1.0mm,1.6mm,2.4mm,2.8mm 4mm and 6mm. Different working lengths are available from 2M to 10M. Save equipment purchase costs and improve after-sales service efficiency

VGA image quality

HD image quality

Powerful and portable

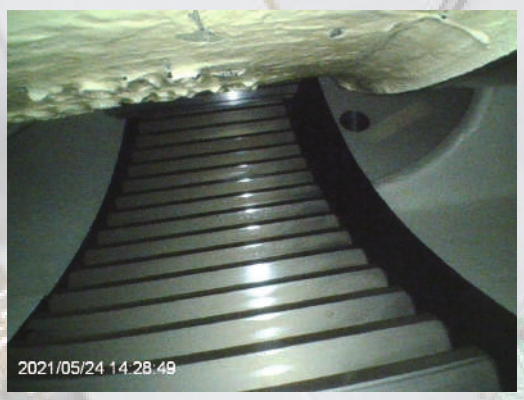
Inspector S has built-in Intel high-performance processor, large-capacity high-speed memory, 5-inch IPS wide-angle high-definition LCD screen resolution up to XVGA as 1024x768, which can easily handle various complex tasks, the system adopts durable and ergonomically designed integrated handheld operation. The overall easy operation is convenient. Store and carry.

Intuitive operation interface

Interactive software tailored specifically for endos visual inspection,The most commonly used functions are displayed on graphical buttons to facilitate the operator to quickly find the desired function and reduce the cost of learning, which is easy to use and practical.

High-Power High-brightness LED rear design

The use of high-power and high-brightness LED lighting source design guarantees the lighting requirements for visual inspection in large spaces. For example, inside the gearbox of a large wind turbine or inside a gas turbine, it has a wider application space than traditional LED front light output design.



Excellent depth of field Lens design

The industry’s leading customized depth of field design can be tailored to different depth of field according to specific application requirements. For example: the depth of field can observe more tooth surface and the inside of the bearing roller, without cumbersome replacement of different depths of field Optical lens.

Flexible One-finger articulation technology

The latest One-finger articulation technology is easy to operate while ensuring precise control of the guidance. Compared with the traditional articulation technology, it is more accurate and stable The new design ensures stable performance of the articulation mechanism system, which is easy to repair and reduces the maintenance cost.

Field-based industrial design Maintenance cost control

The system is built in industrial grade materials and durable design,Perfectly face to the harsh industrial site inspection environment,At the same time, reduce the maintenance cost of the equipment in the later stage Reduce the difficulty and risk of maintenance personnel

Suitable for different Industrial sector

Reduce potential downtime
for maintenance and personal injury
Provide maximum value for asset managers

Aerospace

Turbine and engine
Combustion chamber
High and low pressure compressor
Wing, fuel tank
Synthetic materials and components, etc.

Oil&Gas

Boiler plant
pressure vesse
Pressure pipeline
Reactor, heat exchanger

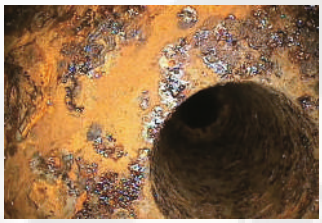
Power generation

Foreign matter grabbing
Turbine blade inspection
Generator internal inspection
Main steam pipeline, condenser

More industry applications

Water pump
Engine
Generator
Gearbox
Pipeline
Turbine blades
Compressors






Wide accessories options
Perfect for a variety of industrial environments

Professional modular design
No installation required, immediately enter the detection state


High-capacity modular batteryQuick change design

Probe storage protection design

Shockproof Wheeled Trolley Case

Technical Specifications

Working environment

Probe working temperature	-25 to 100 ℃ , Built-in high temperature alarm function (optiona
Unit working temperature	-20 to 46 ℃
System storage temperature	-25 to 60 ℃
Relative humidity	95% maximum non-condensing
Dustproof and waterproof	Probe water resistance: IP67, 1.0bar, 10.2m water depth; unit waterproof: IP65 Operates in rainy conditions, not submersible

Imaging system

Probe diameter and length	Diameter 1.2mm,1.6mm, 2.4mm, 2.8mm, 4.0 mm, 6.0mm,8mm / Probe length 2M, 3 M, 4.5M, 6M,8M , 10M customized requirements acceptable.
Imaging components	1/10” color imager (4.0mm) 1/6” color imager (6.0mm)
Number of pixels	HD resolution 1280 x 720- 921,600.00 pixels
Lens depth of field	DOF: 5mm-inf, FOV: 120° , customized requirements acceptable.
Protective material	Titanium alloy housing, four layers of tungsten wire braid and laser welding technology

Handheld System

Probe interchangeable Technology	Probes interchangeable with different diameters, working lengths, DOV, FOV, and viewing angles, which can adapt to different applications
System weight	less than 1.2 kg
Material	Engineering plastic body, polyurethane housing, anti-collision elastic rubber buffer material
LCD Monitor	Integrated 5.0-inch IPS high-definition color daylight LCD screen (resolution XGA 1024×768), clearly readable under sunlight
Joystick operation	360° all-round continuous articulation, the articulation angle is 100 ° to 160 ° according to the length of the probe
Key design	Software shortcut operation, ergonomic layout, quick start, photo, video, brightness adjustment and other key settings
Inner storage	Inner 32G flash memory card storage
Video out	High-resolution HDMI interface output
Lighting output	Manual or automatic adjustment
Lighting source type	Fixed high output and high power LED lighting source

Power supply system

Lithium battery	3 hours working time, support charging while working

Power

AC	100-240 VAC, 50-60 Hz
DC	5V, 2 A

System software

Operating system	Embedded multitasking operating system
User Interface	Graphical operation interface, key operation
File management	Built-in file management system, which can create, copy, delete and other operations
Software function	Still image, video recording, image freeze, image zoom, flip, video playback, annotation, file rename etc.
digital zoom	3x zoom in and out
Image format	JPEG resolution: H1280xV720
Video format	AVI resolution: H1280xV720
Language	Multi-languge options

All specifications are subject to change without notice due to technical reasons

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