Technical Specifications- Inspector Pro

Working environment

Probe working temperature	-25 to 100 ℃ , Built-in over temperature alarm function (optional)
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,1.8mm, 2.4mm, 2.8mm, 4.0 mm, 6.0mm,8mm / Probe length 2M,3M,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 1.7 kg (3.8Lbs)
Material	Engineering plastic body, polyurethane housing, anti-collision elastic rubber buffer material
LCD Monitor	Integrated 6.5-inch IPS high-definition color daylight LCD screen (resolution XGA 1024×768), clearly readable under sunlight High sensitivity capacitive touch screen
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	Built-in 128 G SSD high-speed solid state drive
Interface	2xUSB 3.0
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 with fiber output
Long exposure	Automatic
White balance	Default setting or user-defined adjustable; image saturation and contrast: custom adjustable

Power supply system

Lithium battery	11.1 V 7000 mAh 3 hours working time Support working while charging

Power

AC	100-240 VAC, 50-60 Hz
DC	12.6V, 5 A

System software

Operating system	Embedded multitasking operating system
User Interface	Graphical operation interface, key operation, full-screen touch operation
File management	Built-in file management system, which can create, copy, delete, rename and other operations
Software function	Photo, video Recording, Image Freeze, Image Zoom, Rotate, Flip, Video Playback, long exposure, Invert, Color Adjustment, Annotation, Split Screen Intelligent AI defect-assisted identification, defect size measurement, etc.
digital zoom	5x step zoom in and out
Image format	JPEG resolution:H1280xV720
Video format	AVI resolution:H1280xV720
Text annotation	Built-in full keyboard input
Graphic annotation	Arrow or customer drawing
Image Saturation Contrast	Customer adjustable
software upgrade	System upgrade via USB interface
Language	Multi-languge options

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

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