

G



Videoendoscope G

Easy handling
and precise
imaging

ND•TEC

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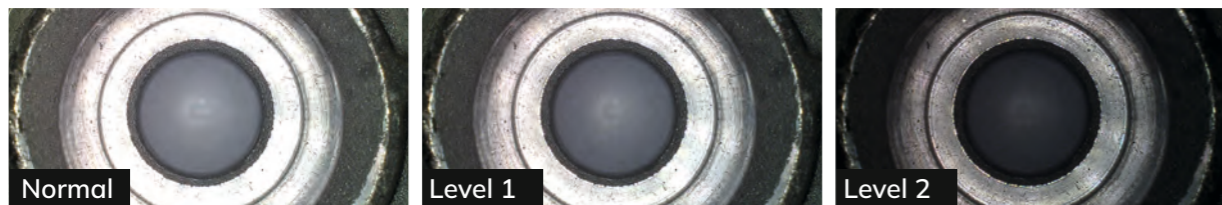


Lightweight with outstanding value

The Videoendoscope G impresses with its wide range of functions and outstanding price-performance ratio. Developed specifically for industrial use, this lightweight device ensures easy operation. It adopts high-definition image processing technology and the latest improved camera to ensure a clearer image and a full view of smallest details and defects. They are clearly visible on the new 5-inch touch display – even in low light or under reflective conditions.

G is highly versatile thanks to a variety of interchangeable probes, which can be quickly and easily connected using the new HDMI-compatible plug-in system. It has 2 levels of glare suppression, which ensures a clear view when observing reflective surfaces (e.g., metal surfaces); and 2 levels of low-light compensation function can guarantee sufficient light source to make the observing distance farther and the image clearer.

Highlight Compensation (HLC): It can effectively suppress the reflection of light source and improve the solution of metal detection



Backlight Compensation (BLC): In the weak light environment, it can see more dark details by the exposure algorithm to improve the image brightness.



5-INCH TOUCH DISPLAY

The 5-inch touchscreen, equipped with the latest HD image processing technology and offering resolutions of up to 1280×720 px (depending on the probe), delivers razor-sharp images and reveals even the smallest defects with exceptional clarity.

MICRO-SD AND USB INTERFACES

The device features a protected Micro SD card slot, a USB Type-C port, and an HDMI connector conveniently located on the side.

ERGONOMIC HANDLE

The ergonomic shape of the handle combined with its lightweight design ensures comfortable operation.

EASY BATTERY REPLACEMENT

The battery compartment holds two 18650 lithium-ion cells, which can be either replaced or charged via USB.

SLIP RING PROBE

Probes with side-view cameras (diameters of 3 mm and 4.5 mm) are available with slip rings for unrestricted 360-degree rotation. This rotation capability is ideal for orbital weld inspections of the inner diameters of tubes and pipes.



EASY PROBE EXCHANGE

The new plug-in system enables quick and easy probe changes. The updated HDMI connection ensures improved video quality and offers enhanced durability.

DURABLE PROBE

Designed for demanding environments, the probes are resistant to mechanical wear and corrosion thanks to a durable tungsten mesh.



Technical data



| | |
|---------------------|--|
| Display | 5" IPS LCD with touch screen |
| Electrical supply | 2 rechargeable batteries, type: 18650-protected; power supply unit with Micro-USB |
| Standby time | 6 h |
| White balance | Automatic / manual |
| Zoom (digital) | 4x |
| Image storage | |
| Photo | JPG |
| Video | MOV, MP4 |
| Storage | 32 GB Micro SD Card or PC via USB |
| Connections | Micro SD slot, USB-C, HDMI |
| Protection class | Probe IP67 |
| Ambient temperature | Hand unit -10°C to +50°C, Probe -20°C to +60°C |
| Weight | 750 g, depending on probe |

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PROBE VERSIONS

| Diameter | Working length | | | | | | | |
|----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 1 m | 2 m | 3 m | 5 m | 7 m | 8 m | 10 m | 15 m |
| 1.2 mm | • | | | | | | | |
| 2.0 mm | • | • | • | | | | | |
| 2.8 mm | • | • | • | | | | | |
| 3.0 mm | • ¹ | • ¹ | • ¹ | | | | | |
| 3.7 mm | • | • | • | • | | | | |
| 4.0 mm | • | • | • | | | | | |
| 4.5 mm | • | • | • | • ¹ | • ¹ | | | |
| 6.0 mm | • | • | • | • | | • ² | • ² | • ² |

¹ available only with slip ring probe ² only available in dual mode

| | Front | | Dual Mode | | Side | |
|--------|----------|---------|--------------------------|---------|---------------------|-----------------|
| | DOF (mm) | FOV (°) | DOF (mm) | FOV (°) | DOF (mm) | FOV (°) |
| 1.2 mm | 3 - 50 | 120 | | | | |
| 2.0 mm | 3 - 50 | 90 | | | | |
| 2.8 mm | 5 - 50 | 120 | | | | |
| 3.0 mm | | | | | 3 - 50 | 120 |
| 3.7 mm | 10 - 100 | 80 | | | | |
| 4.0 mm | 10 - 100 | 90 | | | | |
| 4.5 mm | | | | | 3 - 50 ³ | 90 ³ |
| 6.0 mm | 10 - 100 | 90 | F: 10 - 100 S: 5 - 50 | 90/50 | | |

³ optional with slip ring probe (all working lengths)

Individual configurations upon request Subject to technical changes