

# HD High-Resolution Flexible Videoendoscopes “MVD”

**COBB**  
FIBRE OTTICHE



The “MVD” series videoendoscopes offer a wide range of diameters and lengths, with a viewing head articulating in 2 or 4 directions and working lengths ranging from 1 m up to 4 m.

The innovative technology adopted for this instrument allows for highly defined, clear and well-contrasted video images, placing this device at the top of its category and making it unique in its kind. The touchscreen monitor allows direct access to all controls in a simple and immediate way.



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## Main technical features of the “MVD” videoendoscope

**Ergonomic, practical and intuitive design:** Designed to ensure simple and comfortable use, even during prolonged working conditions.

**High-performance instrument:** Ideal for the inspection of industrial and mechanical micro-components, it is designed to operate in confined spaces, detecting cracks, foreign bodies and signs of wear. Perfect for weld inspection and for the analysis of internal parts that are difficult to access.

**High-quality materials:** The construction of the “MVD” videoendoscope uses advanced and sustainable materials. The tungsten protective sheath ensures high resistance to wear, allowing operation in extreme conditions without compromising durability and reliability.

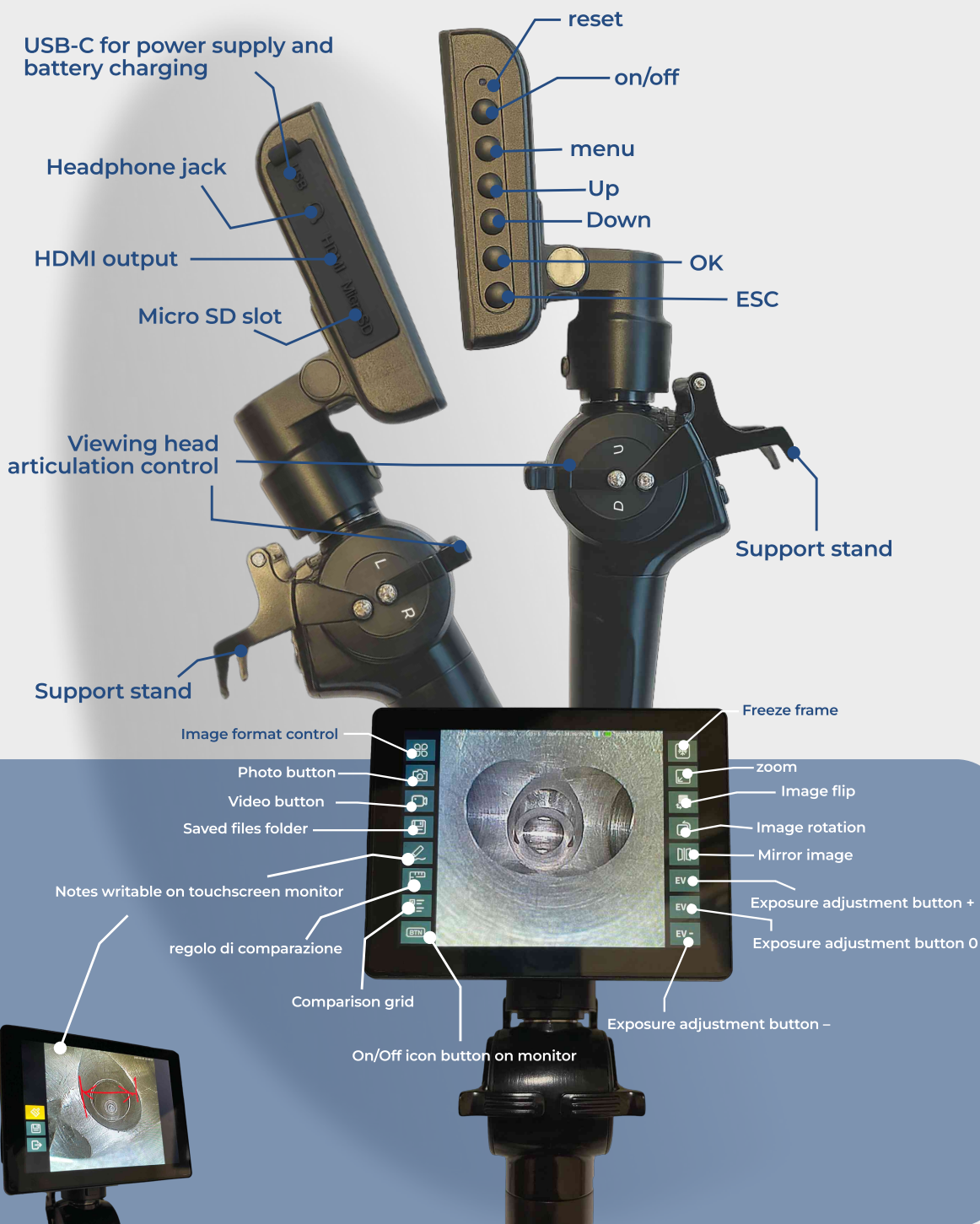
**Cutting-edge technology:** Equipped with latest-generation LED lighting with high luminous efficiency, the “MVD” ensures optimal visibility even in the darkest environments. The viewing head, mechanically adjustable in two or four directions with a bending angle exceeding 180° (including retrograde view), offers exceptional flexibility. With a probe diameter starting from just 1.8 mm, it is perfect for the most precise and delicate applications.

**High-definition LCD display:** The 5.0-inch monitor, with anti-reflection screen, ensures sharp and detailed images in any lighting condition. Thanks to the integrated software, it is possible to optimize images and use advanced processing functions for accurate analysis.

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**Available diameters** 1,8mm - 2,0mm - 2,8mm -  
4,0mm - 5,5mm

**Lighting** Via LEDs and optical fibers  
positioned at the probe tip

**Viewing head  
articulation** 2 – 4 ways (also available  
without articulation)

**Depth of field** From 3 mm to 300 mm (depth of  
field varies depending on probe  
diameter)

**Probe head  
articulation angle** 180° and over

**Field of view** 120°

**Viewing direction** Forward 0°

**Ports in/out** USB 2.0 port, TV out video,  
HDMI signal

**Monitor** 5" LDC, 360° rotatable and  
detachable from the probe

**Battery charger and  
mains power supply** Included

**Power supply** Lithium battery 3.7V 3700mAh  
and/or mains power supply

**SD slot for photo/video** SD card max 32GB for storing  
photos and videos

**Photo and video** Photo jpeg | video mp4

**Case** Shockproof flight case

**Key functions** Main menu settings: date, time,  
video, photo, zoom, light  
adjustment

**Anti-reflection system /  
White balance /  
Sensitivity boost** Automatic

**Video out** HDMI / Wi-Fi

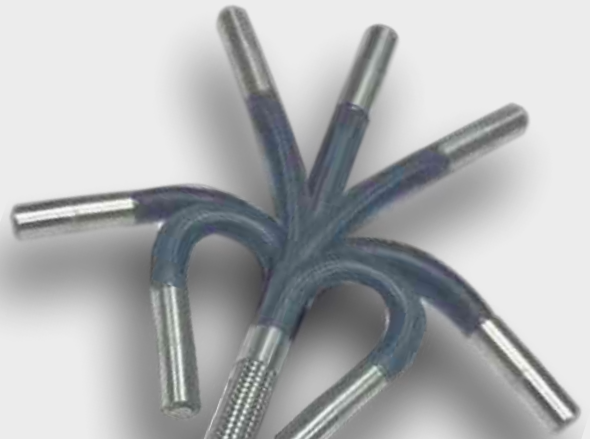
**Image control functions** Image mirroring, zoom, photo  
preview

**Camera pixels** From 160,000 to 2,000,000  
(resolution varies depending on  
probe diameter)

**Temperature resistance** Operating and storage  
temperatures: -20°C +60°C

**Waterproof rating** IP67

**Available lengths** 1.0 m – 1.5 m – 2.0 m – 3.0 m  
(lengths vary depending on  
probe diameter)



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Code	Diameter	V. Direction	F.of View	Resolution	Length	Articulation
MVD1.8-1100/0	1,8mm	forward 0°	120°	160.000	1.1mt	no
MVD1.8-1100/2	1,8mm	forward 0°	120°	160.000	1.1mt	2-way
MVD2.0-1100/0	2,0mm	forward 0°	120°	160.000	1.1mt - 1.5mt - 2.0mt	no
MVD2.0-1000/4	2,0mm	forward 0°	120°	160.000	1.1mt	4-way
MVD2.0-1500/4	2,0mm	forward 0°	120°	160.000	1.5mt	4-way
MVD2.8-1200/0	2,8mm	forward 0°	120°	160.000	1.2mt; max 3.0mt	no
MVD2.8-1200/4	2,8mm	forward 0°	120°	160.000	1.2mt; max 3.0mt	4-way
MVD4.0-1500/4	4,0mm	forward 0°	120°	1.000.000	1.5mt; max 3.0mt	4-way
MVD5.5-1500/4	5,5mm	forward 0°	90°	2.000.000	1.5mt; max 3.0mt	4-way

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