



2.2 mm 2-way interchangeable probe

Built for portable ease of use, Waygate Technologies' Mentor VideoProbes delivers high definition image quality and analysis tools to increase inspector productivity and maximize accuracy of asset assessment. Across a variety of industries—including aerospace, oil and gas, power generation, automotive, food and beverage, and pharmaceutical manufacturing—the Mentor product line offers a broad range of interchangeable probes for use with its advanced processing base system. And now, with growing demand for smaller diameter interchangeable probes, Waygate is introducing a line of probes that are 3.0 mm and smaller.

Meet the 2.2 mm 2-way probe

With improved inspection image quality compared to traditional flexible borescopes, the first in our series of sub-3.0 mm diameter interchangeable probes is our 2.2 mm 2-way probe.

The new 2.2mm probe offers USB connectivity with your VideoProbe system, providing a cost-effective solution that brings you into the world of small-diameter video borescopy.

Features and benefits

- **Easy interchangeability.** The 2.2 mm diameter probe can be interchanged easily with other VideoProbe system probes, making our system the first in the industry to offer true small probe interchangeability.
- **Lower cost of ownership.** Like all of our VideoProbes, if damage occurs, repair or replace only the damaged probe—a much more cost-effective solution than repairing or replacing an entire fixed probe system.
- **Full featured.** With our new small diameter probes, you get all of the high-end features you expect from your system, including:
 - Menu Directed Inspection (MDI) for increased productivity during and after the inspection—with smart data tagging and automatic report generation
 - InspectionWorks for workflow and data management optimization.

Product specifications

Operating Temperature	
Tip	-10°C ~ 60°C
System	-10°C ~ 60°C
Storage Temperature	0°C~60°C
Relative Humidity	80% max, non-condensing
Probe	
Diameter	2.2mm (.087")
Length	1.0m (3.3'), 1.5m (4.9'), 2.0m (6.6')
Optics	Forward viewing, 100 degree FOV, 3-50mm (.118"-1.970") DOF
Image Sensor	CMOS
Pixel Count	160k
Handle Housing	Aluminum
Bending Neck	Tungsten Braiding
System	
Case Dimensions	47 x 36 x 13cm
Probe Weight	500 grams (1.1 lbs)
System Weight	3800 grams (8.4 lbs)
Steering Control	Manual 2 way articulation, 100 degrees
Video Out	USB Type A male connector
Brightness Control	Manual variable
Illumination Type	High Power White LED light engine
Long Exposure	Auto – up to 16 seconds
White Balance	Factory default or user defined
Power	
Lithium Ion Battery	Rechargeable 18650 Li-Ion battery, 2 hour run time, USB powered battery charger
Standards Compliance and Classifications	
Standards Compliance	CE, FCC, RoHS
IP Rating	IP67 (head only)
Software (requires MViQ Handset)	
Image Control	Brightness, Invert, Inverse+
Digital Zoom	Continuous (5x)
Image Formats	Bitmap (.BMP), JPEG (.JPG)
Video Format	MPEG4 AVC/H.264 (.MP4 file)