

OPTIVISION M40

Modular Pipe Inspection System

Inspect Smarter. Decide Faster.

A flexible and powerful inspection system for a wide range of pipe and industrial applications.



MODULAR CAMERA OPTIONS

8.4 mm to 41 mm
for a wide range
of applications.



LONG-DISTANCE INSPECTION

30 m / 60 m
push cable options
and customizable
lengths.



FULL HD TOUCHSCREEN

7" display for
clear and detailed
inspection images.



VERSATILE ACCESSORIES

Centering devices,
guiding ball and
optional variable
guide with light.

MODULAR CAMERA CONFIGURATIONS

One platform. Multiple inspection options.

Compact Forward-View Camera System

A compact and versatile solution for smaller diameter pipes and detailed inspections.



- ✓ 8.4 mm / 12 mm / 16 mm cameras
- ✓ 100° wide-angle view
- ✓ Same M40 main unit
- ✓ Dedicated push-cable connector
- ✓ Compatible with centering devices

Heavy-Duty Pipe Inspection System

Rugged performance for larger pipes and demanding industrial applications.



24 mm forward-view camera

- ✓ 80° FOV
- ✓ 24 mm and 41 mm share the same connector for quick interchangeability
- ✓ Compatible with accessory guidance solutions

41 mm pan-tilt camera

- ✓ 180° tilt / 360° rotation



Various centering and guiding accessories available, including centering ball, 100 mm, 150 mm and 200 mm centering devices, plus additional options depending on application.

System flexibility



Push cable lengths:
30 m / 60 m /
customizable



Modular camera options
from 8.4 mm to 41 mm.



Quick-change
configurations.



Built for pipe and
industrial channel
inspection

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POWERFUL INSPECTION FEATURES

Inspect. Record. Measure.



7-inch LCD capacitive touch screen



1920 × 1080 Full HD resolution



Photo & video capture



Standard 64 GB storage



HDMI output



USB 2.0 interface



More than 5 hours working time



IP65 main unit



Multiple language support



Intuitive inspection menu

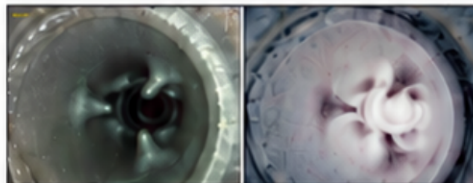
Advanced Image Tools

See more. Know more.



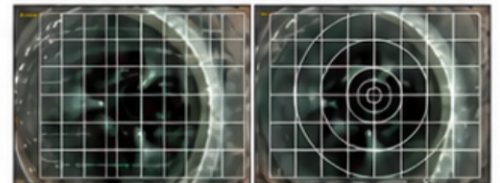
Front / Side live view

View both front and side perspectives for a more complete inspection.



Negative image mode

Switch to negative image mode for clearer detail in challenging conditions.



Scale measurement

Built-in grid and scale measurement help you estimate size and distance accurately.

Versatile Accessories

Adapt to your inspection needs.



Various centering devices available



Centering ball available



100 mm, 150 mm and 200 mm centering devices



Additional sizes and guiding solutions available on request



Suitable accessory options depending on camera configuration

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TECHNICAL DATASHEET

Optivision M40 Modular Pipe Inspection Camera

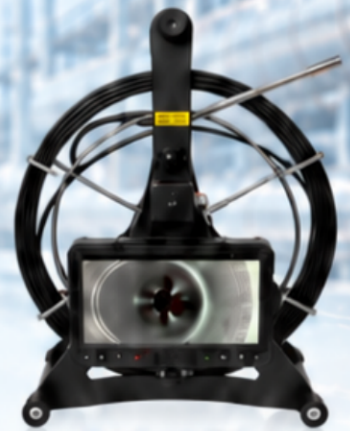
Compact overview of the main unit, camera options and system compatibility.

MAIN UNIT / MONITOR

Display	7-inch LCD display
Resolution	1920 × 1080
Frame rate	30 fps
Screen brightness	400 cd/m ²
Contrast	800
Touch screen	Capacitive touch screen
Video output	HDMI
USB interface	USB 2.0
Storage	Standard 64 GB SD card
Video resolution	1920 × 1080 / 1280 × 720
Image resolution	1920 × 1080 / 1280 × 720
Software functions	negative, scale
Language	multiple
Battery	11.1 V 6000 mAh lithium-ion
Charger	12 V 3 A
Charging time	>8 h
Working time	>5 h
Working temperature	-10 °C to 50 °C
Storage temperature	-10 °C to 50 °C
Ingress protection	IP65



M40 Heavy-duty Reel
with 41 mm Camera



M40 Compact Reel
(Compact configuration)

PUSH CABLE / SYSTEM

Push cable lengths	30 m / 60 m / customizable
Wire core diameter	5.5 mm
Material	high-strength glass fiber wire
Ingress protection	IP67

CAMERA OPTIONS

A. COMPACT FORWARD-VIEW CAMERAS		B. 24 MM FORWARD-VIEW CAMERA		C. 41 MM PAN-TILT CAMERA	
Sizes	8.4 mm / 12 mm / 16 mm	Pixels	720P	Lens diameter	41 mm
Viewing direction	0°	Illumination	12 HiL LEDs	Lens length	60 mm
Field of view	100°	Housing material	304 stainless steel	Pixels	720P
Monitor compatibility	Same monitor, dedicated connector	Field of view	80°	Illumination	12 HiL LEDs
Compatible accessories	Various centering devices available	Image sensor	CMOS 1/4"	Housing material	stainless steel
		DOF	25 mm to infinity	Tilt / radial movement	180°
		Ingress protection	IP67	Rotation / axial movement	360°
		Water resistance	1 m	Manual focus adjustment	available
		Connector	Shares the same connector as the 41 mm camera	Image sensor	CMOS 1/4"
		Compatible accessories	Various centering and guiding accessories available	Ingress protection	IP67
				Water resistance resistance	1 bar
				Replaceable lens cover	Yes
				Connector	Shares the same connector as the 24 mm camera

