

DATASHEET

FlexDuty is a professional-grade industrial endoscope series designed to provide superior image quality and full 360-degree maneuverability. It is a versatile tool for professionals in automotive, construction, and property maintenance who require precise visibility in tight and hard-to-reach spaces.

1. PRODUCT OVERVIEW

The FlexDuty series stands out with its exceptionally clear display and highly maneuverable camera cable. The device enables inspections in demanding conditions, with a rugged design built for daily professional use. It is available in various cable diameters (2.8 mm, 3.9 mm, and 6.0 mm) to suit different application needs.



2. KEY FEATURES

- **Full Maneuverability:** All-way 360-degree camera head steering for comprehensive inspection without blind spots.
- **High Resolution:** Up to 2 MP image quality ensures even the smallest details are detected.
- **Durable Construction:** Cables protected by stainless steel mesh (IP67).
- **Versatile Connectivity:** HDMI video output for external monitors and USB-C for data transfer.
- **User-Friendly Interface:** 5-inch LCD HD screen with an intuitive operating system.

3. TECHNICAL SPECIFICATIONS (Control unit)

Bending control	2,8-6mm full 360 degree articulation
Insertion tube	Polyurethane / stainless steel braided cable
System language	English
Screen size	5" LCD
File formats	JPEG/AVI
Structure	ABS plastic
Storage	micro SD (max capacity 128Gb)
Data port	USB-C port, HDMI video output
IP Grade	Insertion tube IP67, Host IP54
Battery life	> 3 hours
Host weight	800g with battery
Power	Li-ion
Charger	5vdc, 3A
Warranty	12 months
Host working temperature	-10 to +60C
Probe working temperature	-10 to +70C (under 0C, steering should be reduced)
Storage temperature	-10 to +60C
Relative humidity	Max 90%, no condensation

3. TECHNICAL SPECIFICATIONS (Cables)

Model	Diameter	Length	Resolution	FOV	Depth of Field (DOF)	Bending Angle
FlexDuty 2810	2.8 mm	1.0 m	160,000 px	120°	10 mm – ∞	170°
FlexDuty 3910	3.9 mm	1.0 m	2 MP	120°	10 mm – ∞	170°
FlexDuty 6010	6.0 mm	1.0 m	2 MP	120°	10 mm – ∞	170°
FlexDuty 6030	6.0 mm	3.0 m	2 MP	120°	10 mm – ∞	150°

4. APPLICATIONS

- **Heat Pumps:** Inspections before and after cleaning to demonstrate service results.
- **Automotive:** Inspection of engine components, cylinders, and other narrow compartments.
- **HVAC & Construction:** Internal inspection of flues, pipelines, and structures.
- **Industrial Maintenance:** Internal condition monitoring of machinery and equipment.

5. PACKAGE CONTENTS

- FlexDuty Control Unit
- Selected Camera Probe and Cable
- Charger (5VDC, 1A)
- User Manual
- Heavy-duty Carrying Case

Importer / Distributor:

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