



LEADING THE WORLD BY  
LATEST TECHNOLOGIES

## M-MHC003 Pipeline Periscope

## M-MHC003 潛望鏡檢測系統



### INTRODUCTION

The M-MHC003 pipeline periscope is mainly used for **quick detection and diagnosis of interior conditions of industrial containers, buildings or pipelines**. Its camera probe together with supplied light source can detect interior structural defects and functional defects of pipelines and industrial containers via a control rod.

### APPLICATIONS

Applicable for inspections of **water supplies, sewage, fire-fighting and rainwater pipelines**.

### WINNING FEATURES

1. **Wireless connection** between the probe and the controller
2. **Light industrial design** using industrial-grade three anti-flat as the controller weighing only 630g offers two kinds of straps and suspenders worn ways
3. **High precision** of laser measurement in **mm level**

### PARAMETERS

1. Controller display 8.1" industrial LCD touch screen
2. 10m carbon fiber control rod
3. **High-definition camera** - 1920\*1080P high-definition camera and 2.1 million pixels
4. **High-capacity storage** - 64G solid-state disk + 64G TF card (standard) and the TF card can be extended infinitely
5. **High brightness combination of light source** - Main light (6 x 10W LEDs with condensing cups ) and auxiliary light (8 x 3W LED floodlights) with adjustable brightness
6. **High precision** of laser measurement in mm level

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麥斯迪埃城市可持續發展集團  
**MUNICIPAL SUSTAINABLE DEVELOPMENT CONSULTANTS**

**MSDI Limited**

Room 209, 2/F, Favor Industrial Centre, 2-6 Kin Hong Street, Kwai Chung  
Tel: +852 2784 0109 Fax: +852 2784 0119 Email: info@msdiglobal.com



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### Camera Probe 攝像探頭

Pipeline diameter	100mm - 2000mm
Weight	Less than 3kg
Waterproof	IP68
Lighting	The main and auxiliary light sources design
Image resolution	PAL, 2.1 million pixels
Connectivity	Able to wirelessly connect with Android, iOS and other mobile phone to allow video recording, video storage, camera focus, zoom and other operations
Power supply	Battery-powered with three standard batteries, removable battery, a single battery life of 3 hours (the brightest light source)

### Laser Distance Measurement Module 鐳射測距模組

Distance precision	± 0.001mm
Distance range	0.2m ~ 80m
Data display	Real-time distance measurement displayed in the video screen

### Standard Control Rod 標準控制杆

Material	Carbon fiber
Telescopic	Nested telescopic design, strong fixed joints, the maximum length of the total stretch is 5.5m
Height adjustment	0.8m rod with scales, a highly integrated rubber fine-tuning elastic device with a rubber buffer ball at the end
Weight	Less than 3kg

### Main Controller 控制系統

Storage capacity	4GB memory + 32G solid state drive
Display	8.1" highlight the touch screen, the screen resolution of 1280 * 800
Working time	Continuous working time ≥ 8 hours with power consumption usage
Positioning	Standard GPS function to obtain the current detection position
Protection	Probe protection class IP68 - long-term immersion in water depth of 10 meters; Controller protection class IP67 - effectively prevent the invasion of dust during soaked in 1 meter depth for 30 minutes, with anti-drop and vibration function
Weight	Less than 700g

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