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## HANMATEK IE01

# HANMATEK IE01 Industrial Endoscope User Manual

Model: IE01

## 1. INTRODUCTION

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The HANMATEK IE01 Industrial Endoscope is designed for detailed visual inspection in confined or hard-to-reach areas. This manual provides instructions for the safe and effective use of your endoscope, covering setup, operation, maintenance, and troubleshooting.

The IE01 features a 4.3-inch TFT screen with 1080P resolution, a 16.5-foot (5-meter) flexible cable, an 8mm camera with adjustable LED lights, and an IP67 waterproof rating. It is powered by a lithium battery offering up to 4 hours of continuous use and charges via USB-C.

## 2. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1x HANMATEK IE01 Industrial Endoscope
- USB-C Charging Cable
- User Manual
- Accessories (Mirror, Hook, Magnet)

# APPLICABLE TO VARIOUS SCENARIOS



Mechanical Interior



Pipeline Maintenance



Leakage Detection



Home Cleaning

Image: The HANMATEK IE01 Industrial Endoscope, its accessories (mirror, hook, magnet), USB-C charging cable, and user manual, all neatly arranged with the product packaging in the background.

## 3. PRODUCT FEATURES

- **High-Resolution Display:** 4.3-inch TFT screen with 1080P resolution for clear and detailed imaging.
- **Flexible Snake Cable:** 16.5 feet (5 meters) long flexible cable for easy access to hard-to-reach areas.
- **Adjustable LED Lighting:** 8 adjustable LED lights for improved visibility in dark environments.
- **Waterproof & Durable:** IP67 waterproof rating for reliable performance in wet conditions.
- **Multi-Function Controls:** Buttons for zooming (1x-2x-3x), brightness adjustment, 180° image rotation, and color mode switching (color/black & white).
- **Long Battery Life:** 2600mAh lithium battery provides up to 4 hours of continuous use, with Type-C charging.
- **Portable & Easy to Use:** Compact design suitable for various industrial and maintenance applications.

# 1080P HD PIXELS

HD pixel.so that every detail can be presented more clearly

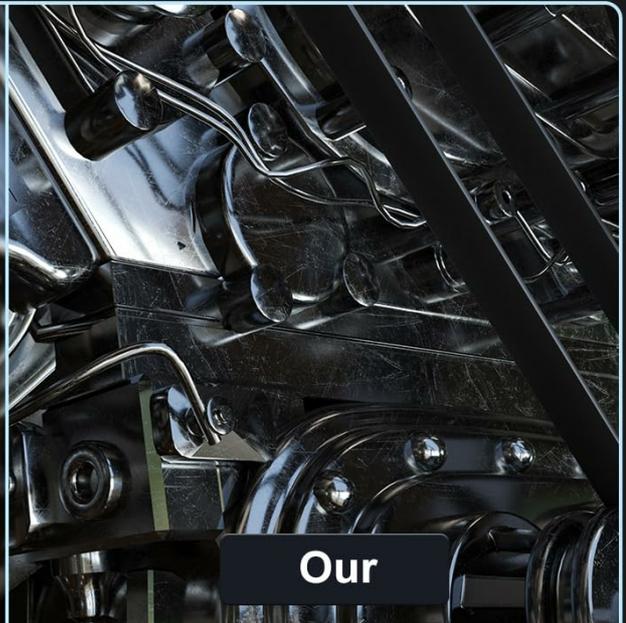
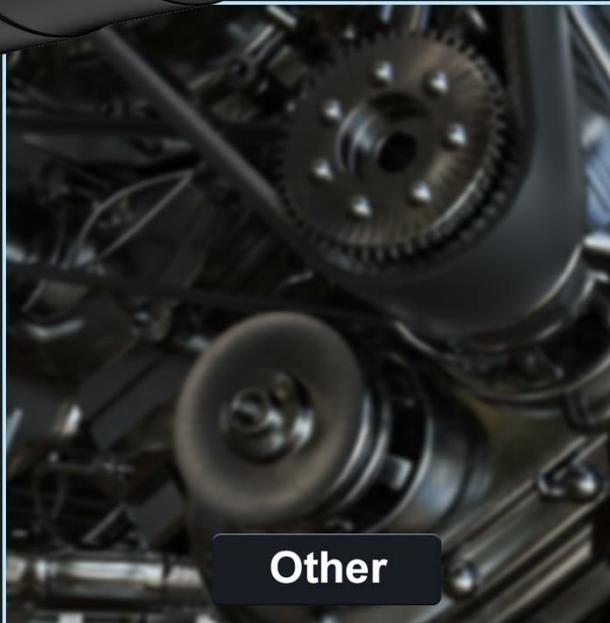


Image: An exploded diagram illustrating the internal components of the endoscope camera, alongside a visual comparison demonstrating the superior clarity of 1080P HD pixels compared to a standard image.

# 4.3-INCH TFT SCREEN



4.3-inch TFT  
screen



Image magnification  
1.0x-1.5x-2.0x



Black and White  
Mode



180° Rotation



Image: A visual representation of the endoscope's 4.3-inch TFT screen, highlighting its features such as image magnification, black and white mode, and 180-degree rotation capability.

# IP67 WATERPROOF

16.5ft Flexible Cable



Image: The IP67 waterproof flexible cable of the endoscope, submerged in water, showcasing its durability and the 8 adjustable LED lights at the camera tip for illumination.

## 4. SETUP

### 4.1 Charging the Device

1. Connect the provided USB-C charging cable to the charging port on the endoscope unit.
2. Connect the other end of the cable to a standard USB power adapter (not included) or a computer's USB port.
3. The charging indicator light will illuminate during charging. A full charge typically takes approximately 4 hours.
4. Disconnect the cable once fully charged. The device can be used for up to 4 hours on a full charge.

# 2600mAh CAPACITY BATTERY

4H Working Time



Image: The HANMATEK IE01 endoscope unit, illustrating its 2600mAh capacity battery and indicating a 4-hour working time, with the charging port visible.

## 4.2 Attaching Accessories

The endoscope comes with a mirror, hook, and magnet accessory. To attach an accessory:

1. Carefully slide the desired accessory onto the camera head until it is securely in place.
2. Ensure the accessory does not obstruct the camera lens or LED lights.

# SEMI-RIGID CORD & PRACTICAL ACCESSORIES

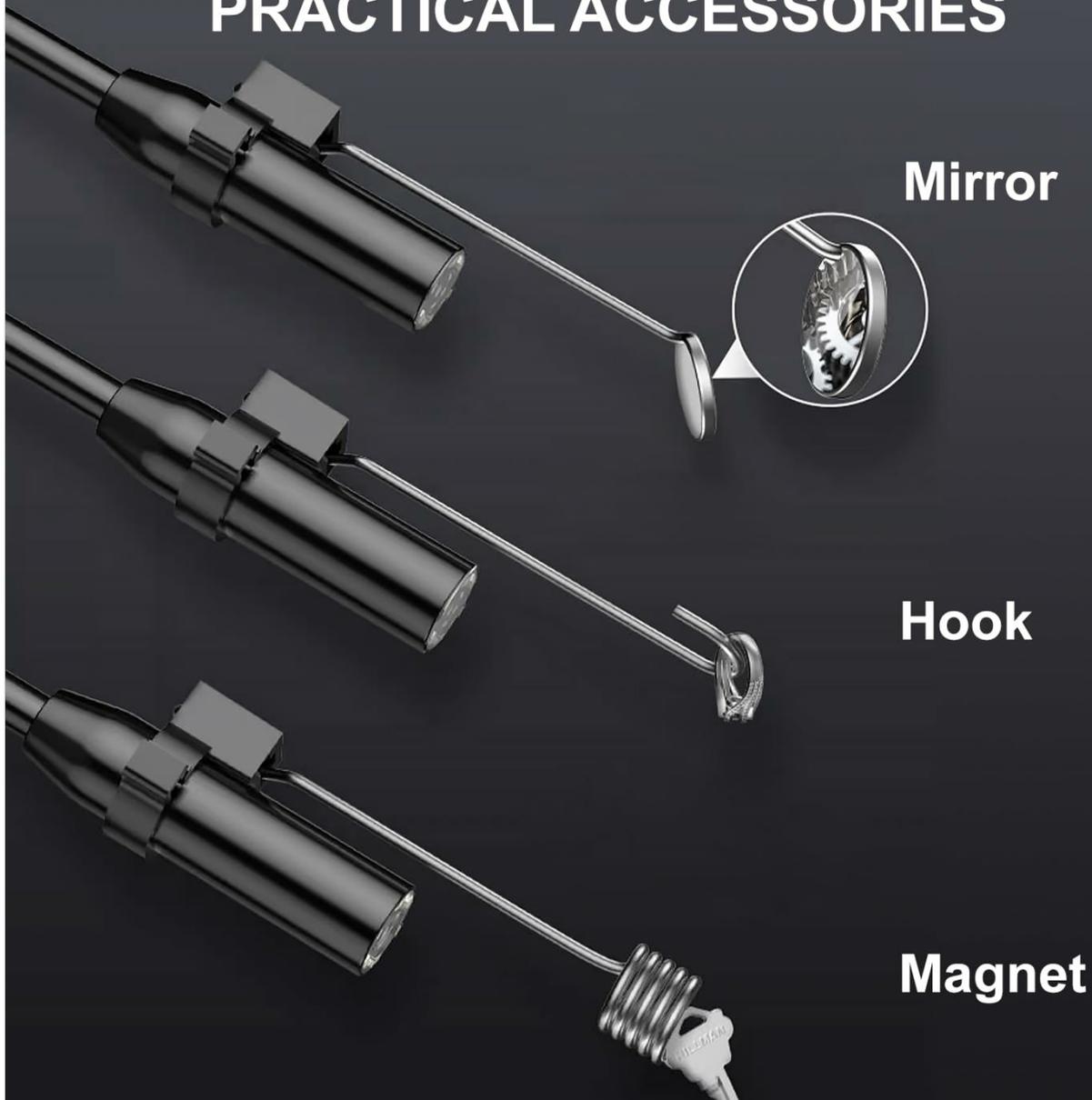


Image: A close-up view of the endoscope's semi-rigid cord, demonstrating how the mirror, hook, and magnet accessories attach to the camera head.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

- To power on, press and hold the power button until the screen illuminates.
- To power off, press and hold the power button again until the screen turns off.

### 5.2 Navigating the Interface

The endoscope features intuitive controls located next to the display screen:

- **Zoom Function:** Use the zoom buttons (typically marked with '+' and '-') to magnify the image (1x, 2x, 3x).
- **Brightness Adjustment:** Press the brightness control button to cycle through 4 levels of LED light intensity.
- **Image Rotation:** Press the rotation button to rotate the image 180 degrees for optimal viewing angle.
- **Color Mode:** Switch between color and black & white display modes using the dedicated button.

# No Wifi No Phone No APP



Image: A user holding and operating the HANMATEK IE01 industrial endoscope, demonstrating its standalone functionality without requiring external devices or applications.

## 5.3 Performing an Inspection

1. Gently insert the flexible cable with the camera head into the area to be inspected.
2. Adjust the LED light brightness as needed for clear visibility.
3. Maneuver the semi-rigid cable to navigate through tight spaces.
4. Use the zoom and image rotation functions to get a detailed view of the inspection area.
5. For side views or retrieving small objects, attach the mirror, hook, or magnet accessories as required.



Image: A collage of four images illustrating diverse applications of the industrial endoscope, including mechanical interior inspection, pipeline maintenance, leakage detection, and general home cleaning tasks.

## 6. MAINTENANCE

### 6.1 Cleaning

- **Camera and Cable:** The camera head and flexible cable are IP67 waterproof. After use in wet or dirty environments, wipe them clean with a damp cloth. Do not use abrasive cleaners.
- **Main Unit:** Wipe the main display unit with a soft, dry cloth. Avoid getting liquids into the charging port or control buttons.

### 6.2 Storage

- Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure the cable is coiled loosely to prevent damage.
- Keep the device and accessories in their original packaging or a protective case when not in use.

## 6.3 Battery Care

- To prolong battery life, charge the device regularly, even if not in frequent use.
- Avoid fully discharging the battery for extended periods.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device using the provided USB-C cable.
Image is blurry or unclear.	Camera lens is dirty; insufficient lighting; focus issue.	Clean the camera lens. Adjust LED brightness. Ensure the object is within the camera's focal range.
LED lights are not working.	Brightness set to minimum; device malfunction.	Increase LED brightness using the control button. If problem persists, contact support.
Screen is frozen or unresponsive.	Temporary software glitch.	Press and hold the power button for 10 seconds to force a restart.

## 8. SPECIFICATIONS

Model	IE01
Display Screen	4.3-inch TFT
Video Capture Resolution	1080p
Camera Diameter	8mm
Cable Length	16.5 feet (5 meters)
Waterproof Rating	IP67 (for camera and cable)
LED Lights	8 adjustable LEDs
Battery Type	2600mAh Lithium Ion
Battery Life	Up to 4 hours
Charging Port	USB-C
Optical Zoom	3x
Image Rotation	180°
Item Weight	581 g
Country of Origin	USA

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official HANMATEK website.

Please retain your proof of purchase for any warranty claims.