

**EN**

Original Instructions

Version 1

December 2025

**DRAPER**

# DUAL LENS ENDOSCOPE **INSPECTION CAMERA**

**31260**



**UK  
CA** **CE**

# 1. Preface

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**These are the original product instructions. Read the instruction manual in full and retain for future reference.**

Please visit **[drapertools.com/manuals](http://drapertools.com/manuals)** for the latest version of this manual and the associated parts list, if applicable.

## 1.1 Product Reference

**User Manual for:** Endoscope Inspection Camera

**Stock No:** 31260

**Part No:** ENDO-D/2

## 1.2 Revisions

**Version 1:** December 2025

First release

# 2. Intended Use

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This camera has a semi-rigid cable and is designed for viewing inside wall cavities, piping and other narrow spaces and for close inspection of engines and other obscured machine parts. Suitable for use in dusty and underwater environments.

### **Important:**

- The focal length of this device is 20–100mm. This product is suitable for examining small objects and recesses only and cannot be used for surveillance or to monitor large areas.

Read this manual in full before using this product and retain it for future use. Please visit **[drapertools.com/manuals](http://drapertools.com/manuals)** for the latest version.

### 3. Specification

|                                       |                             |
|---------------------------------------|-----------------------------|
| <b>Stock No.</b>                      | <b>31260</b>                |
| <b>Part No.</b>                       | <b>ENDO-D/2</b>             |
| Screen Size                           | 4.3" Colour (IPS 1080P)     |
| Resolution                            | Pixel 2MP (1920 × 1080 JPG) |
| Video Recording                       | 640 × 480 (AVI)             |
| Focal Length                          | 20 – 100mm                  |
| Probe Diameter                        | 5.5mm                       |
| Viewing Angle                         | 70°                         |
| IP Rating for Camera and Cable        | IP67                        |
| Light                                 | 8 LEDS                      |
| Cable Length                          | 5m                          |
| Built in Battery Type                 | Rechargeable 2000mAh        |
| Micro SD Card required (not supplied) | 0 – 64GB                    |
| Charging Cable                        | USB C-Type (5V/1A)          |
| Charging Time                         | 2.5 hours                   |
| Charger Required                      | 5V/1A                       |
| Battery Life (fully charged)          | 3hours                      |
| Operating Temperature                 | 1 – 45°C                    |
| Net Weight                            | 415.5g                      |

## 4. Health and Safety Information

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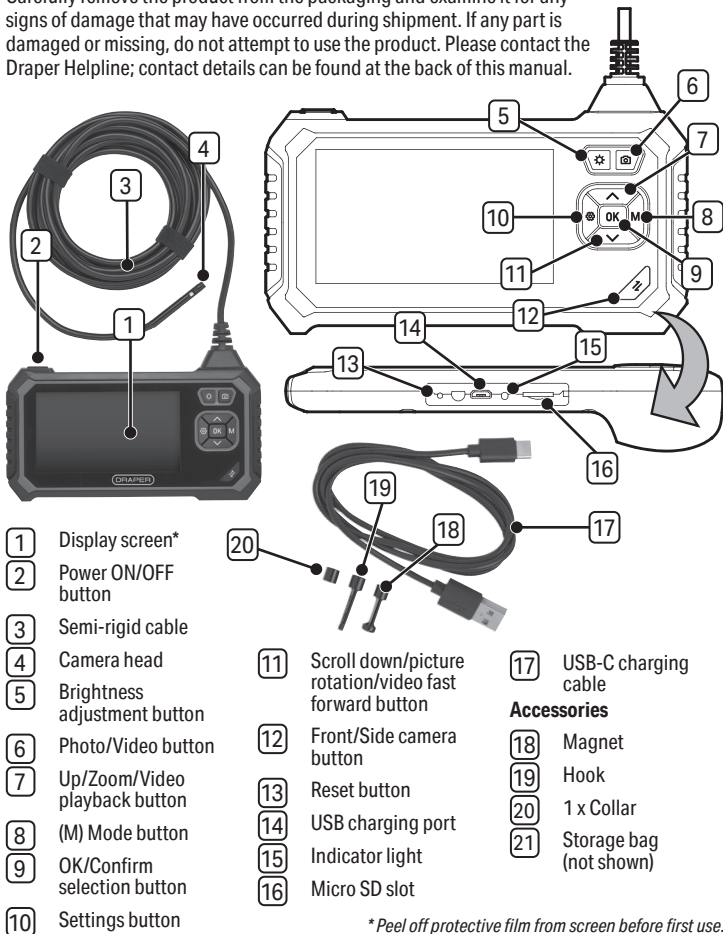
**Important:** Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user or the product.

- **Important:** Strictly not for medical use or human examination.
- **DO NOT** use this device if the screen, camera head or cable are damaged in any way.
- **DO NOT** drop or bump the screen.
- **DO NOT** pull or carry the device by the cable.
- The camera cable is not made of heat resistant or high temperature materials. **DO NOT** use near hot engine parts.
- **DO NOT** use near moving machinery.
- If condensation has formed inside the camera lens, **DO NOT** use the camera until the moisture has fully evaporated.
- **DO NOT** direct the LED light at your own or another person's eyes.
- **DO NOT** allow children to touch or use the device.
- Avoid contact with oil or other corrosive and hazardous substances.
- Store the product in a cool, clean and dry environment, out of direct sunlight and out of reach of children.

## 5. Identification

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Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



\*Peel off protective film from screen before first use.

## 6. Charging the Endoscope (Fig.1 – Fig.2)

Fully charge the device before first use and when the battery icon on the screen shows 1 bar.

1. Lift up the cover (14.1) to access the USB charging port.

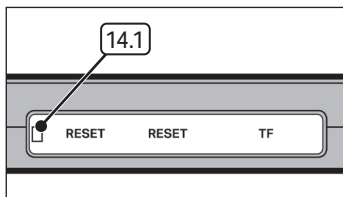


Fig. 1

2. Then use the USB-C charging cable (17) supplied with a 5V charger and connect to a computer or phone adaptor. **DO NOT use an adaptor rated above 12V or a fast charger.**

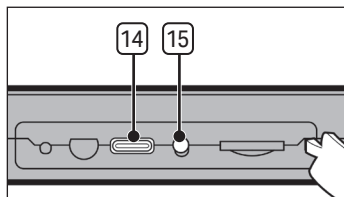


Fig. 2

3. The red indicator light (15) will be on during charging. Once fully charged the indicator light will go out.

## 7. Inserting a SD Card (Fig.3)

**Note:** A Micro SD card (0-64G) is required (not supplied).

- Ensure the camera is switched off.
- Open the cover and fit the SD card in the SD slot (16).

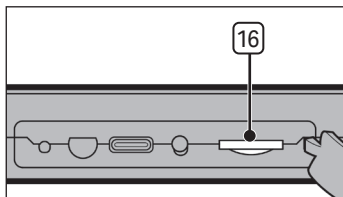


Fig. 3

- When the SD card is fitted the SD card icon will be displayed on the screen.
- To remove the SD card, press the card in slightly to release.

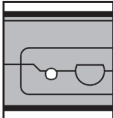
## 8.1 Basic Operation

1. Press and hold the power **ON/OFF** button **2** for approximately 3 seconds to switch on or off.
2. Adjust the camera lens and functions as required during use.

| Adjustment Buttons                                                                                                            | Adjustment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5</b> <b>Brightness of camera light</b>   |  <b>Press to adjust between: 100%, 80%, 60%</b>                                                                                                                                                                                                                                                                                                                                                            |
| <b>6</b> <b>Take Photo/Video</b>             | <b>Select 'M' mode first <b>8</b>, then press to take a photo or start video recording.</b>                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>7</b> <b>Up</b>                           | <b>Press to select:</b> <ul style="list-style-type: none"> <li>• Scroll up</li> <li>• Zoom in – Adjust magnification between <math>\times 1.0</math>, <math>\times 1.5</math> or <math>\times 2.0</math>.</li> <li>• Video play back</li> </ul>                                                                                                                                                                                                                                             |
| <b>8</b> <b>Select Camera or Video Mode</b>  | <b>Press to switch between:</b> <ul style="list-style-type: none"> <li> Camera/photo (jpg)</li> <li> Video (AVI)</li> <li> Photo album</li> </ul> <b>Press setting button <b>10</b> to delete photos or videos from the photo album.</b> |
| <b>9</b> <b>OK</b>                         | <b>Press to confirm selection, or fix image.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>10</b>                                  | <b>Enter and exit screen settings – refer to section 8.2 Settings menus.</b><br><br><b>Press to delete photos or videos when in the photo album mode.</b>                                                                                                                                                                                                                                                                                                                                   |

## 8. Operation

### 8.1 Basic Operation (continued)

| Adjustment Buttons |                                                                                   | Adjustment                                                                                                                                  |
|--------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>11</b> Down     |  | <b>Press to:</b> <ul style="list-style-type: none"><li>• Scroll down</li><li>• Picture rotation 180°</li><li>• Video fast forward</li></ul> |
| <b>12</b>          |  | <b>Switch camera from front to side view.</b>                                                                                               |
| <b>13</b> Reset    |  | <b>If the screen freezes during use, press in to reset the screen.</b>                                                                      |

**Note:** The object must be within 20 – 100mm of the camera lens to appear in focus; if the subject is blurry, the camera may be too close or too far from the object.

### 8.2 Settings Menus (Fig. 4)

- Press setting button **10** to enter the menus.
- Use the up **7** and down **11** buttons to scroll through the settings.
- Press OK **9** to confirm selection.
- To exit the setting screen, press the setting button **10** again.

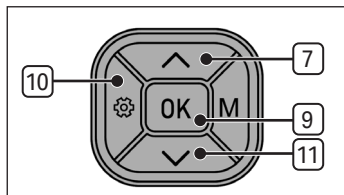
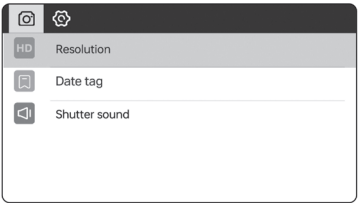
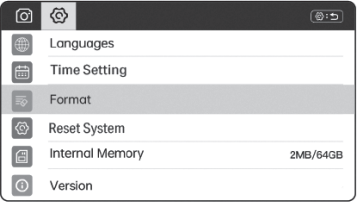


Fig. 4

|                                                                                     |                                                  |                                                                                   |
|-------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Camera Settings Menu</b><br>Press settings button <b>(10)</b> once to enter menu |                                                  |  |
| <b>Image Quality</b>                                                                | 2M 1920 × 1080<br>1M 1280 × 720<br>VGA 640 × 480 |                                                                                   |
| <b>Date Tag</b>                                                                     | Tick box if required.                            |                                                                                   |
| <b>Shutter sound</b>                                                                | Tick box if required.                            |                                                                                   |

|                                                                                      |                                                                                                   |                                                                                    |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Screen Settings Menu</b><br>Double press setting button <b>(10)</b> to enter menu |                                                                                                   |  |
| <b>Language setting</b>                                                              | English, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, Russian, Polish. |                                                                                    |
| <b>Date/Time Setting</b>                                                             | YYYY/MM/DD<br>0 (0-23) : 0 (0-59)<br>: 0 (0-59)<br>Press OK or Cancel                             |                                                                                    |
| <b>Format</b>                                                                        | Format the TF card?<br>OK /Cancel                                                                 |                                                                                    |
| <b>Reset System</b>                                                                  | Factory reset<br>OK/Cancel                                                                        |                                                                                    |
| <b>Memory</b>                                                                        | 0GB/0GB                                                                                           |                                                                                    |
| <b>Version</b>                                                                       | Version number                                                                                    |                                                                                    |

## 8. Operation

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### 8.3 Copying Photo and Video Files

- Use the SD card to copy directly or use the USB cable supplied.
- Connect the cable to the computer or storage device first. Then switch on the endoscope and connect the cable to the USB port. **DO NOT** plug or unplug during the copying operation or the data transfers will fail.

## 9. Using the Accessories

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- Fit one of the accessories **[18]** or **[19]** over the camera head if required.
- Slide the fixing collar over the camera head and turn to secure in place.
- Fit the collar **[20]** to the camera head when an accessory is not fitted.

### 9.1 Hook and Magnet Accessories

- The magnet **[18]** and hook **[19]** can be attached to the camera head to move or retrieve damaged or obstructive objects in the way of the camera.

## 10. Maintenance and Storage

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- Store the product in a cool, clean and dry environment, out of direct sunlight and out of reach of children. Avoid contact with oil and other corrosive or hazardous substances.
- When storing the device for prolonged periods, charge at least once every 3 months to maintain the performance.

## 11. Disposal & Warranty

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At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.



- **DO NOT** burn or mutilate batteries; this may release toxic or corrosive substances.



Warranty period is 12 months from the date of purchase.

Visit [drapertools.com/warranty](https://www.drapertools.com/warranty) for full details.

## 12. Explanation of Symbols

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Read the instruction manual



Keep out of reach of children



**Warning!**



Do not incinerate or throw onto fire



WEEE –

Waste Electrical & Electronic Equipment

Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish



European conformity

UK Conformity Assessed



2 Megapixels



1080p resolution



Screen dimensions



Probe cable length



USB-C compatible



Charging time



AVI video resolution



JPEG image resolution



70 Viewing angle



Probe camera diameter



Running time



Water ingress protection rating for camera & cable

## Contact Details

### **Draper Tools Limited**

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Please contact the Draper Tools Product Helpline for repair and servicing enquiries.