

Visionome

imaging beyond vision

FlexLumen

Instruction manual



Thank you for choosing Visionome. We are dedicated to providing you with the best possible experience. If you have any questions or feedback, please contact us.

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TABLE OF CONTENTS

1. USER INSTRUCTIONS

1.1	Purpose and intended use	1
1.2	Maintenance	1
1.3	Safety precautions	2

2. PRODUCT INTRODUCTION

2.1	System parameters	3
2.2	Packing list	4

3. OPERATION

3.1	Preparation and startup	5
3.2	After use	5
3.3	Useful tips	6

4. INSTRUCTIONS

4.1	Buttons and interface introduction	7
4.2	Storage and record files	9
4.3	Preview interface	9

1. USER INSTRUCTIONS

1.1 Purpose and intended use

The intended use of this product is visual inspection of industrial equipment and devices. The device can be used to inspect inner surfaces of pipes, turbines, cylinders, engines, and other devices.

User can choose to take still images or videos during the inspection.

This product is not meant to be used in medical inspections.

1.2 Maintenance

This product does not have any parts that can be repaired by the user. Do not attempt to disassemble, refit, or repair any of the parts. The repair service of this product is only provided by the reseller or importer.

1.3 Safety precautions

- Do not use this instrument to observe human or animal body.
- Do not use or store in places with explosive, strong electromagnetic fields, or combustible gas, which may cause fire or explosion.
- Do not allow the detected material to operate under live conditions, so as not to cause electric shock.
- Pay special attention to the use of the endoscope in a high temperature environment. Please refer to technical specifications for suitable temperature range.
- Do not look directly at the strong light source.
- Do not bend, stretch or twist the probe line too hard. It may cause damage to the cable. Damages caused by excessive forces are not covered under warranty.
- If you notice any abnormality in the operation, stop the use and shut off the product. Then contact the reseller.
- IP67 rated cables can withstand short-term exposure to liquids. Please note that 0.95mm and 1.2mm cables do not have an IP67 rating.

2. PRODUCT INTRODUCTION

2.1 System parameters

Bending control	0,95-1,2mm no articulation, 1,8-2,4mm 2 way articulation, 2,8-6mm full 360 degree articulation
Insertion tube	Four-layer tungsten wire braided hose
System language	English
Screen size	5" LCD
File formats	JPEG/AVI
Structure	ABS plastic
Storage	Micro SD (max capacity 128Gb)
Data port	Micro-USB port, HDMI video output port
IP Grade	Insertion tube IP67* (0,95-1,2mm diameter IP54)
Battery life	> 3 hours
Host weight	800g with battery
Power	Li-ion
Charger	5vdc, 1A
Warranty	12 months
Host working temperature	-10 to +50C
Probe working temperature	-20 to +80C (under 0C, steering should be reduced)
Storage temperature	-20 to +60C
Relative humidity	Max 90%, no condensation

2.2 Packing list

-
- Host unit
-
- Endoscope probe
-
- Card reader
-
- Micro SD card (32Gb)
-
- Battery
-
- Wall adapter
-
- Micro USB cable
-
- HDMI cable
-
- User manual
-
- Warranty card
-

3. OPERATION

3.1 Preparation and startup

- Take out the endoscope and insert the battery.
 - Insert the micro SD card.
 - Press the power button to start the endoscope. Now it is ready to use.
 - The probe should be used as straight as possible. Do not bend, stretch or twist the probe line with excessive force. It may cause damage to the cable.
 - The endoscope bending angle control is directly controlled by the rocker on the operation panel, and the direction of the rocker swing determines the direction of the head rotation. The size of the angle is determined by the angle at which the joystick is controlled.
-

3.2 After use

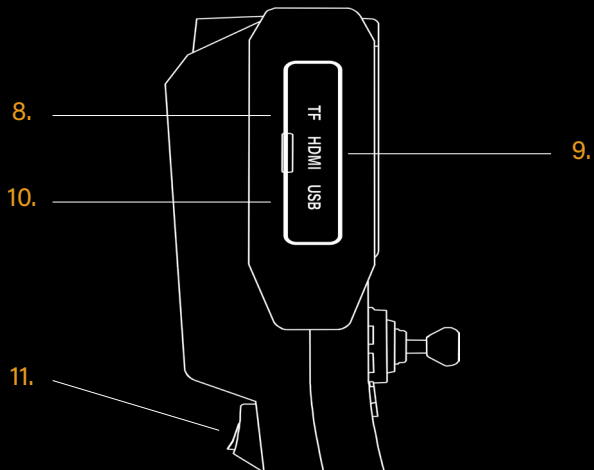
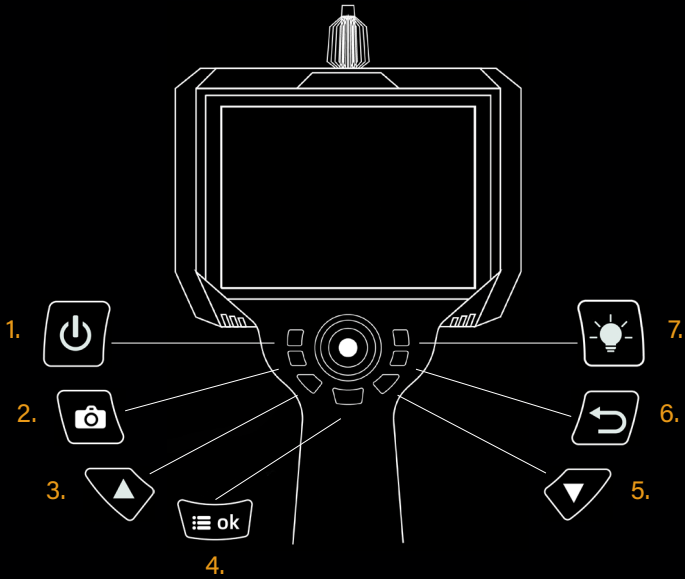
- Hold the power button down until the endoscope turns off.
- Use a clean damp cloth or soft towel for cleaning the endoscope.
- Remove the battery, if the device is not used in long period of time.

3.3 Useful tips

- Allow the cable to naturally bend and slide into inspection areas without using force. This way, it is less likely to get stuck.
- With small diameter cables, sometimes dust can be seen on the lens surface. You can gently touch the lens with a clean fabric to remove dust.
- Blurry images are often caused by camera shake. Shaking can be avoided by leaning the cable and your hand against a solid surface.
- Lenses have a fixed depth of field. Subjects within the given depth of field appear sharp, while subjects outside of this field will appear blurry.
- Choose the right length for your cable. Cables are designed to be used fully extended. If the cable is too long and not extended all the way, it limits the cable's ability to be steered.

4. INSTRUCTIONS

4.1 Buttons and interface introduction



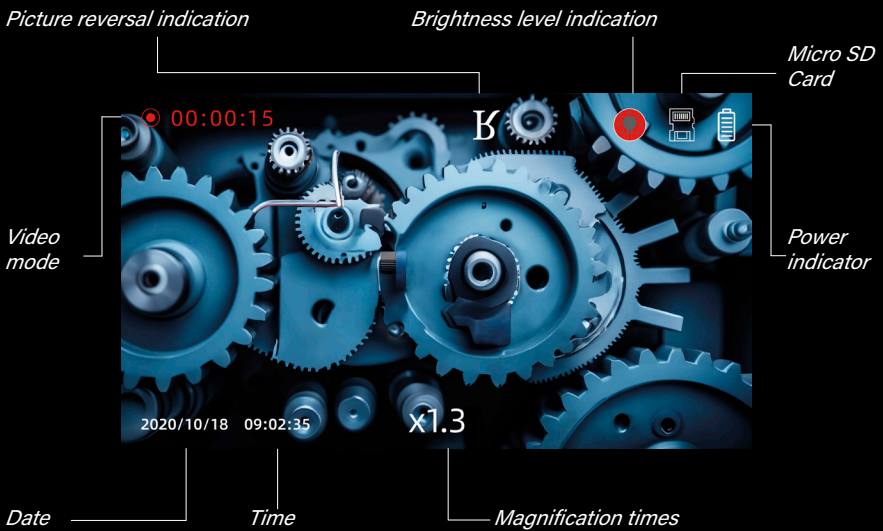
1. On/off | freeze screen.
2. Short press: take still image, long press: record video.
3. Short press: rotate image, Long press: switch camera view (only used in dual lens models) | navigation.
4. Enter settings | confirm selection.
5. Image zoom | navigation.
6. Browse images and videos | return.
7. Light brightness adjustment.
8. Micro SD slot (max. 128Gb).
9. HDMI output.
10. Micro USB (data transfer/charging).
11. Short press: take still image, long press: record video.

4.2 Storage and record files

Method 1: Take out the micro SD card of the endoscope and insert it into the PC.

Method 2: Connect directly through the USB. In USB mode, do not pull out the micro SD card, it can cause abnormal errors.

4.3 Preview interface



Importer details:

Nome ltd is the importer of Visionome products in Finland. For any inquiries or assistance regarding the product, please contact:

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Legal terms:

Warranty information:

Nome ltd. warrants this product to be free from defects in materials and workmanship for a period of 12 months from the date of purchase. Please refer to the warranty card included in the packaging for specific warranty terms and conditions.

Limitation of liability:

In no event shall Nome ltd. be liable for any indirect, incidental, special, punitive, or consequential damages, or damages for loss of profits, revenue, data, or use, incurred by you or any third party, whether in an action in contract or tort, arising from your access to, or use of, the product.

Product compliance:

This product complies with all relevant safety and regulatory standards applicable in EU/Finland. However, it is the responsibility of the user to ensure that the product is used in accordance with local laws and regulations.

Intellectual property rights:

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Dispute resolution:

Any disputes arising from the use or interpretation of this product or its associated materials shall be resolved through negotiation between the parties. In the event that a resolution cannot be reached, the parties agree to submit to the exclusive jurisdiction of the courts in Finland.



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