

MODULAR INDUSTRIAL VIDEOSCOPE

COBB NZQ

Quick-change probes.
Oneplatform, fourdiameters.

PROBES Ø2,0 | Ø2,8 | Ø3,9 | Ø6,0 mm

6"
FHD TOUCHSCREEN

360°
ALL-DIRECTION
ARTICULATION

WI-FI
WIRELESS
TRANSMISSION

≥8 h
RATED BATTERY LIFE

IP54
MAIN UNIT

IP67
INTERCHANGEABLE PROBES



MODEL IDENTITY

COBB NZQ. Advanced performance

COBB
ENDOSCOPI INDUSTRIALI

ADVANCED PLATFORM



DESIGNED FOR INDUSTRIAL INSPECTION

**6" FHD MONITOR.
MODULAR VIDEOSCOPE.
FIELD-READY.**

An inspection system combining touch control, high-definition capture and quick-change probes in a single platform.

6" FHD MONITOR

1920 × 1080 touch display

QUICK-CHANGE

Quick-change probes

360°

All-direction articulation

WI-FI

Wireless connectivity

COBB NZQ | One platform, four diameters: Ø2,0 · Ø2,8 · Ø3,9 · Ø6,0 mm

Interchangeable probes

A single main unit configurable with quick-change probes in 2,0, 2,8, 3,9 and 6,0 mm diameters. Optical configuration, illumination and length vary according to the selected probe

QUICK-CHANGE PROBE



PROBE RANGE



Forward · side · dual view

Four diameters

Ø2,0mm · Ø2,8 mm · Ø3,9 mm · Ø6,0 mm, all fully interchangeable on the NZQ platform.

Optical configurations

Forward and side viewing across the full range; dual view documented for Ø2,8, Ø3,9 and Ø6,0 mm.

Probe illumination

Integrated LED on Ø2,0 and Ø2,8mm; rear high-power LED with fibre-optic transmission on Ø3,9 and Ø6,0 mm.

Documented lengths

1 to 3 m for Ø2,0 and Ø2,8mm; 1 to 6 m for Ø3,9 mm; up to 10 m for Ø6,0mm. Ø3,9 dual view: 3 m.

COBB NZQ: one platform, more inspection possibilities

The characteristics of each diameter are listed separately in the technical tables.

6" FHD touchscreen with direct access to the main image-capture, display and management functions. Physical buttons remain available at all times.



HIGH-DEFINITION DISPLAY

6" FHD MONITOR

1920 × 1080

Photo, video, freeze frame, zoom and playback are directly accessible from the unit via touchscreen or physical controls.

TOUCH + PHYSICAL BUTTONS

Advanced photo and video management

Capture, organisation and content review directly from the unit.

CAPTURE

Photo, video, freeze frame and zoom.

CUSTOM FILE NAMES

Rename individual photos and videos

ADVANCED FILE LIBRARY

File information, multiple selection, copy, move and delete.

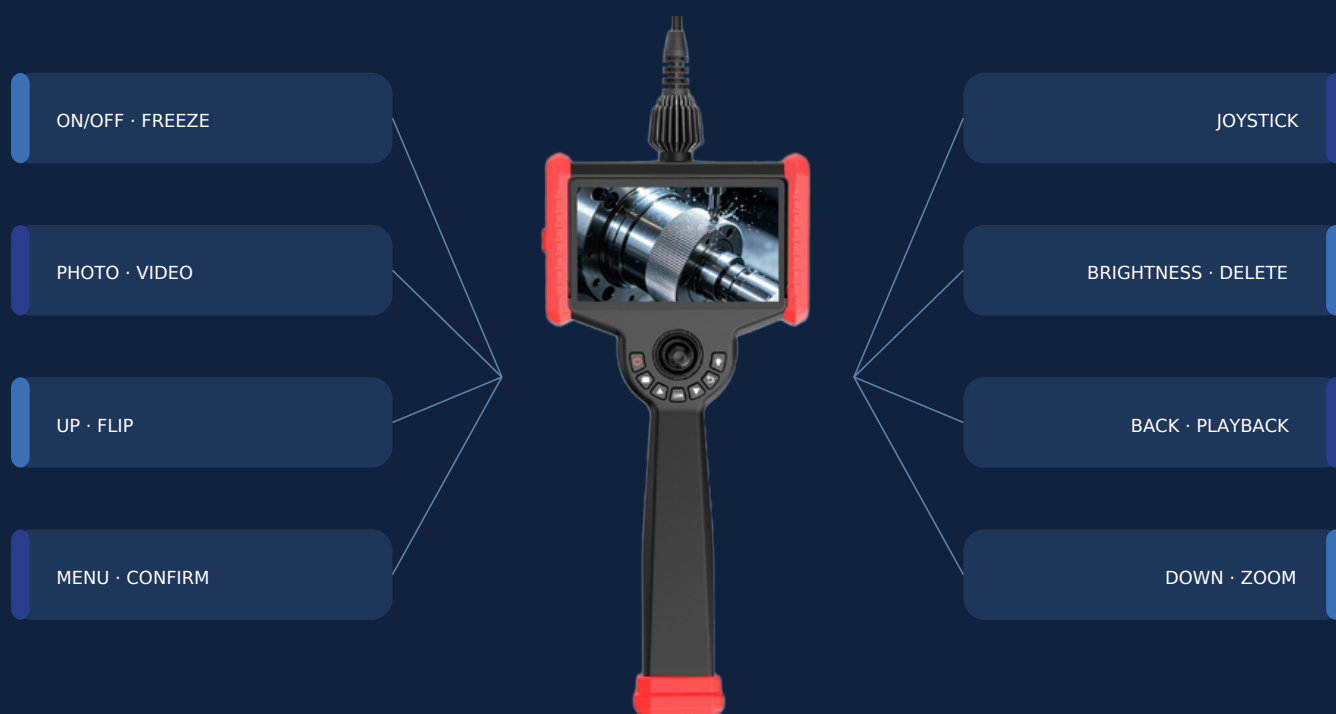


SIMULTANEOUS FORWARD / SIDE-VIEW MONITORING

Direct control and connectivity

The interface combines a joystick, function keys and dedicated ports in an architecture designed to speed up capture, review and data transfer.

PHYSICAL CONTROLS ALWAYS AVAILABLE



Ports, memory and storage



TF, HDMI, Type-C and audio jack depending on configuration. Internal memory + TF card, storage-location selection and available-space display.

Batteries and battery life

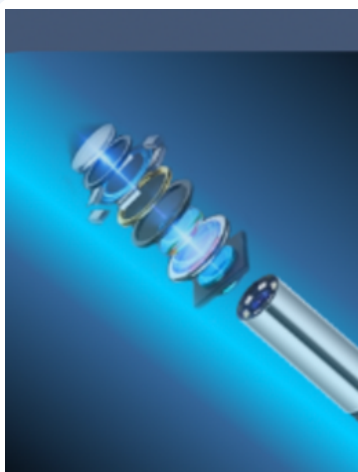


Rechargeable batteries. Rated battery life ≥ 8 hours. Charging via Type-C or dedicated charger.

Image, light and durability

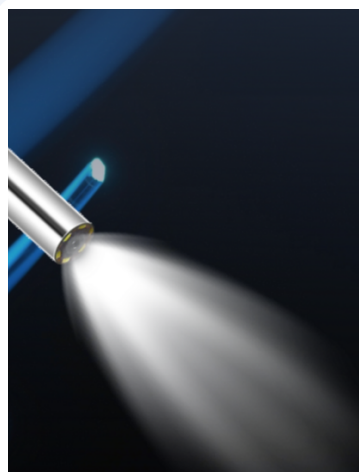
Optics, illumination and probe protection work together to maintain image clarity and operational continuity in industrial inspections.

MEGAPIXEL CAMERA



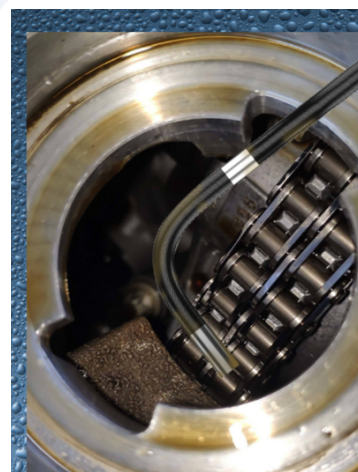
Resolution determined by the selected probe, up to 2 MP in the Ø6,0 mm configuration.

ADJUSTABLE LIGHT



Illumination adjustable from 0 to 9: nine active levels + off. Integrated LED on Ø2,0 and Ø2,8; fibre optics on Ø3,9 and Ø6,0 mm.

IP67 PROTECTION



IP67 rating documented for Ø3,9 and Ø6,0 mm probes. For Ø2,0 and Ø2,8 mm, the value is N/A.



MODULAR ARCHITECTURE

Quick probe change

The probe module can be replaced quickly to adapt diameter, viewing direction, depth of field and length to the specific application.

Ø2,0 · Ø2,8 · Ø3,9 · Ø6,0 mm

Probe range and articulation

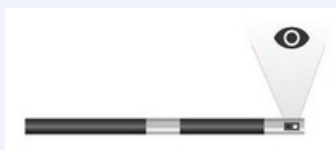
The COBB NZQ platform uses interchangeable probes in 2,0, 2,8, 3,9 and 6,0 mm diameters. Viewing configurations and optical characteristics depend on the selected diameter.

FORWARD VIEW



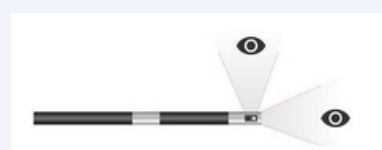
Available: Ø2,0 · Ø2,8 · Ø3,9 · Ø6,0 mm.

SIDE VIEW



Available: Ø2,0 · Ø2,8 · Ø3,9 · Ø6,0 mm.

DUAL VIEW

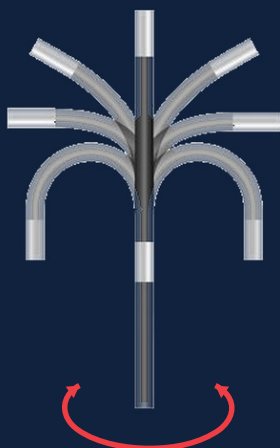


Available: Ø2,8 · Ø3,9 · Ø6,0 mm.

360° articulation for every diameter

Each probe is specified with full articulation in all directions. The maximum bending angle varies with diameter and length.

360° ARTICULATION



BENDING ANGLE



Ø2,0 mm

Lengths: 1 · 2 · 3 m

Ø2,8 mm

Lengths: 1 · 2 · 3 m

Ø3,9 mm

Lengths: 1-6m · dualview: 3 m

Ø6,0 mm

Lengths: 1-10 m

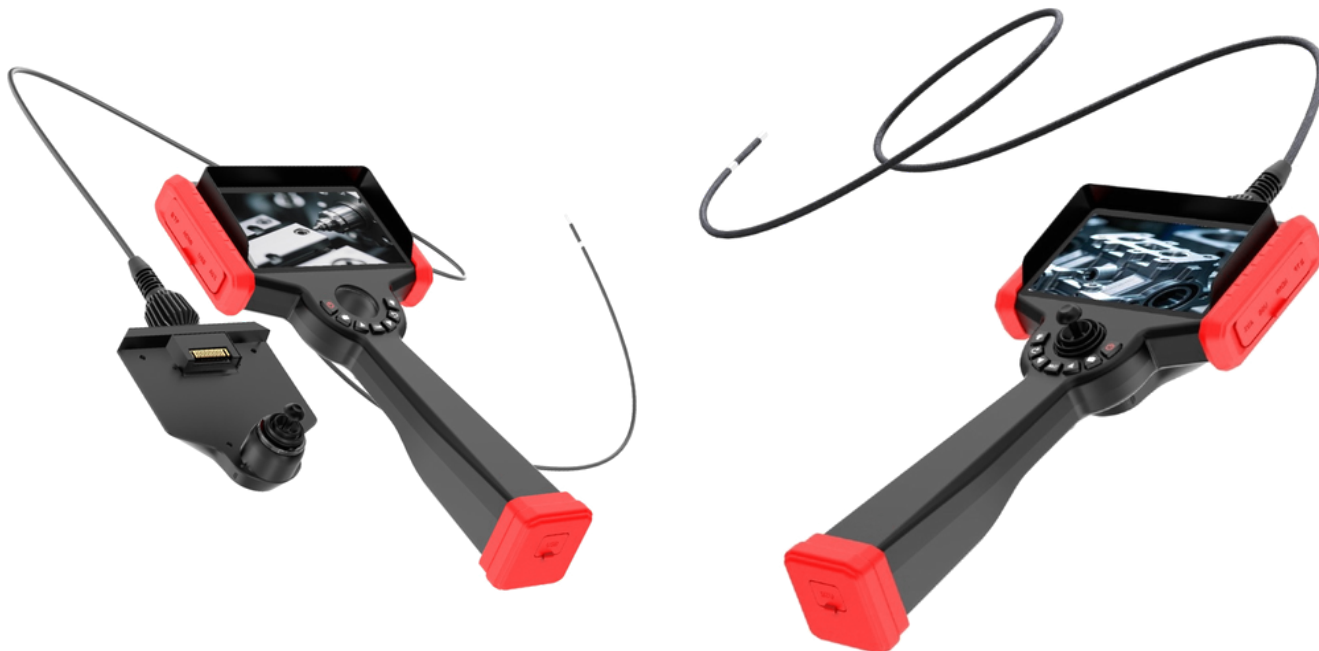
Probe configuration

Diameter, optical configuration, depth of field and length must be defined according to the application and confirmed in the order configuration.

Probe specifications

The following information applies exclusively to the interchangeable probes. COBB NZQ main-unit data are listed separately on the next page.

Feature	Ø2,0 mm	Ø2,8 mm	Ø3,9 mm	Ø6,0 mm
Viewing	Forward / side	Forward / side / dual	Forward / side / dual	Forward / side / dual
Field of view	120°	120°	105° / 120° / 140°	105° / 120° / 140°
Depth of field	1-30 mm / 3-70 mm	1-30 mm / 3-70 mm	3-30 / 5-80 / 5-100 / 7-150 / 12-200 / 50-∞ mm	3-70 / 7-150 / 12-200 / 50-∞ mm
Resolution	160.000 / 520.000 pixels	160.000 / 520.000 pixels	1 MP	1 MP / 2 MP
Illumination	Integrated LED	Integrated LED	High-power rear LED with fibre-optic transmission	High-power rear LED with fibre-optic transmission
Articulation	360° in all directions	360° in all directions	360° in all directions	360° in all directions
Forward rigid section	5 ± 0,5 mm	4,5 ± 0,5 mm	12,5 ± 0,5 mm	12,8 ± 0,5 mm
Side rigid section	N/A	7 ± 0,5 mm	15,8 ± 0,5 mm	20 ± 0,5 mm
Dual-view rigid section	Not available	9 ± 0,5 mm	20 ± 0,5 mm	15,2 ± 0,5 mm
Probe protection	N/A	N/A	IP67	IP67
Operating temperature	-20 °C / +70 °C	-20 °C / +70 °C	-20 °C / +70 °C	-20 °C / +70 °C
Tube material	Tungsten braid / alloy spring tube	Tungsten braid	Tungsten braid	Tungsten braid



Lengths and platform

Maximum bending angle by length

Diameter	1 m	2 m	3 m	4 m	5 m	6 m
Ø2,0 mm	150° ±10°	90° ±10°	60° ±10°	N/A	N/A	N/A
Ø2,8 mm	170° ±10°	130° ±10°	100° ±10°	N/A	N/A	N/A
Ø3,9 mm	170° ±10°	160° ±10°	150° ±10°	130° ±10°	110° ±10°	90° ±10°
Ø6,0 mm	170° ±10°	170° ±10°	160° ±10°	150° ±10°	130° ±10°	120° ±10°

Ø6,0 mm: available lengths from 1 to 10 m

The table shows documented bending angles up to 6 m. For Ø3,9 mm, dual view is specified only for the 3 m length.

COBB NZQ main unit

Item	Data
Dimensions	375 × 175 × 78 mm
Display	6" FHD touchscreen
Resolution	1920 × 1080
Memory	Internal + TF card (TF up to 128 GB)
Storage	Internal memory or TF; available space
Interfaces	TF, HDMI, Type-C, audio jack*
Batteries	Rechargeable
Battery life	Rated ≥8 hours
Protection	IP54
Conditions	Operating -10/+50 °C; storage -20/+60 °C
Humidity	Max 90%, non-condensing

System and recording

Item	Data
Images	JPEG/JPG; video recording
Capture	Photo, video, zoom and freeze frame
Controls	Touchscreen + physical buttons
Files	Rename photo/video; name, size and resolution
Management	Multiple selection; copy, move, delete
Playback	Speed, audio and ±15-second skip
Adjustments	8 advanced image parameters
Wi-Fi	Wireless connection via app
Customisation	Logo, file name, watermarks and audio*
Languages	Multilingual, including English

ADVANCED ANALYSIS AND DOCUMENTATION FUNCTIONS

Annotation, measurement and comparison on one platform

GRAPHIC AND TEXT ANNOTATIONS

Text, markings, shapes and freehand drawing.



2D MEASUREMENT

2D measurement using a known dimensional reference.



IMAGE COMPARISON

Side-by-side comparison of live and saved images.



GRID AND VISUAL GUIDES

On-screen visual aids, separate from the 2D measurement function.



* Availability depends on hardware configuration.

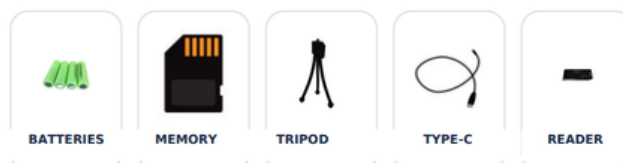
The manufacturer documentation lists the following equipment. The final contents must be confirmed in the COBB sales order.



Hard transport case

Stated package: 59 × 47 × 20 cm | 7,5 kg

Listed contents



- | | |
|-----------------------|-----------------------------------|
| 1 Main unit | 8 HDMI cable |
| 2 4 × 18650 batteries | 9 USB charger |
| 3 Hard case | 10 Battery charger |
| 4 Memory card | 11 Warranty card |
| 5 Card reader | 12 User manual |
| 6 Tripod | 13 Quality compliance certificate |
| 7 2 Type-C cables | |

COBB NZQ

Advanced industrial videoscope platform with FHD touchscreen, advanced photo and video management, and graphic and text annotations.

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