

MODULAR INDUSTRIAL VIDEOSCOPE

COBB NZL

Quick-change probes.
One platform, four
diameters.

PROBES Ø2,0 | Ø2,8 | Ø3,9 | Ø6,0 mm

5"

INDUSTRIAL
LCD DISPLAY

360°

ARTICULATION ON
ARTICULATING
CONFIGURATIONS

WI-FI

WIRELESS
TRANSMISSION

≥4 h

BATTERY
LIFE

IP54

MAIN UNIT

IP67

ENDOSCOPIC
PROBES



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.

COBB QUICK-CHANGE PROBE



Four diameters

Ø2,0 mm · Ø2,8 mm · Ø3,9 mm · Ø6,0 mm, all fully interchangeable on the NZL 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 Ø2,8 mm; 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 Ø2,8 mm; 1 to 6 m for Ø3,9 mm; 1 to 10 m for Ø6,0 mm. Ø3,9 dual view: 3 m.

COBB NZL: one platform, more inspection possibilities

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

Main unit and controls



Display and control

5-inch industrial LCD with adjustable backlighting. Button navigation; articulation control on articulating configurations.

Direct controls

Power on/off and freeze frame; photo/video; image rotation and view selection; menu/OK; zoom; brightness/delete; back/playback.

Ports and interfaces

HDMI output, Type-C, TF card slot and Type-C charging port. AUX/audio jack interface depending on configuration.

Memory and power

Standard 32 GB TF card, support up to 128 GB. Rechargeable lithium battery with rated battery life ≥ 4 hours.

Software functions

Photo/video, snapshots while recording, freeze frame, zoom, rotate/flip, playback and file deletion. Grayscale, date/time watermark, customisable general annotation and sequential file-name prefix, on-screen grid and visual guides, and Wi-Fi.

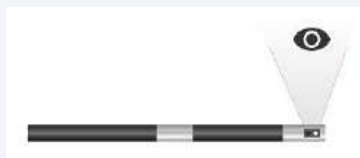
The COBB NZL platform includes interchangeable probes in 2,0, 2,8, 3,9 and 6,0 mm diameters. Viewing configurations and optical characteristics depend on the selected diameter.

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

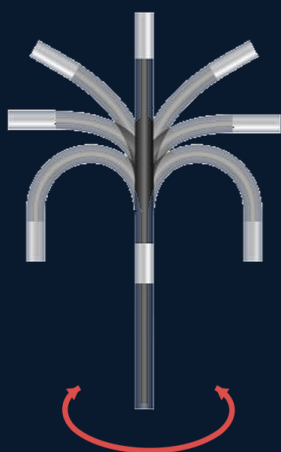


Available: Ø2,8 · Ø3,9 · Ø6,0 mm.

360° articulation on articulating configurations

Full control of probe-tip orientation where provided by the configuration. 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

1-6 m · dual view: 3 m

Ø6,0 mm

Lengths: 1-10 m

Temperature warning

Listed as an optional function. Threshold, compatible probe and measuring range must be defined in the order configuration.

Probe specifications

The following data apply only to the interchangeable probes; COBB NZL main-unit data are shown 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° on articulating configurations	360° on articulating configurations	360° on articulating configurations	360° on articulating configurations
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



Maximum bending angle by length (1-6 m)

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°

N/A = length not offered. Ø6,0 mm available from 1 to 10 m; the table shows documented angles for 1-6 m.
 For Ø3,9 mm, dual view is specified only for the 3 m length.

COBB NZL main unit

Item	Data
Dimensions	350 × 155 × 59 mm
Display	5-inch industrial LCD
Memory	Standard 32 GB TF, max 128 GB
Interfaces	HDMI, Type-C, TF; optional AUX
Battery	Rechargeable lithium
Battery life	Rated ≥4 hours
Protection	IP54
Operating	-10 °C / +50 °C
Storage	-20 °C / +60 °C
Humidity	Max 90%, non-condensing

Item	Data
Images	JPEG/JPG
Video	AVI
Transmission	Wi-Fi - wireless connection
Functions	Photo/video, video snapshot, freeze, zoom, flip, playback, delete, grayscale
Documentation	Date/time; general annotation; sequential prefix; grid and visual guides
Languages	Multilingual menu, including English



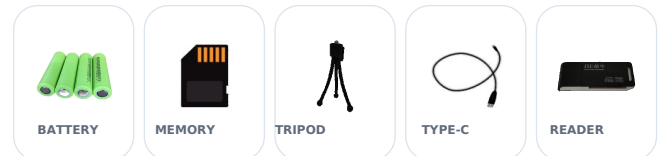
The manufacturer documentation lists the following equipment. The final contents must be confirmed in the COBB sales order.



Hard transport case

47,9 × 38,7 × 15,5 cm | 3,9 kg

Listed contents



- | | |
|---------------|-----------------------------------|
| 1 Main unit | 7 Type-C cable |
| 2 Battery | 8 HDMI cable |
| 3 Case | 9 Battery charger |
| 4 Memory card | 10 Warranty card |
| 5 Card reader | 11 User manual |
| 6 Tripod | 12 Quality compliance certificate |

COBB NZL

Industrial videoscope platform with interchangeable probes, 360° articulation on articulating configurations, photo/video capture, file management and Wi-Fi connectivity.

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