

INDUSTRIAL VIDEOSCOPE

COBB

NZQ Dual Light

**White light.
Ultraviolet at 365 nm.**

Full HD touchscreen, interchangeable probes, measurement and annotation functions for documenting inspections.

WHITE LIGHT

UV 365 nm

Fibre-optic illumination

360° articulation in all directions



6 inches

Full HD touchscreen

1920 × 1080

Display resolution

≥8 hours

Rated operating time

3.9 / 6 / 8 mm probes | 9 brightness levels
Replaceable 18650 batteries | USB-C charging

DUAL LIGHT

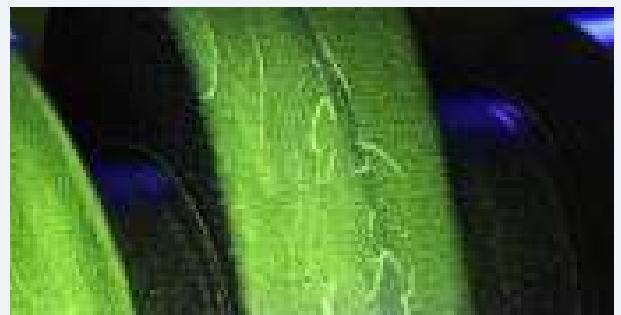
White and ultraviolet light

The Dual Light configuration combines white light with UV light at a wavelength of 365 nm.

WHITE LIGHT



ULTRAVIOLET 365 nm



Fibre-optic illumination

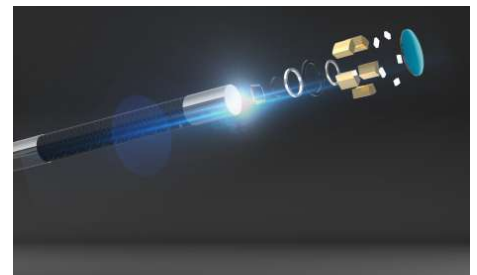
High-power rear LED source with fibre-optic light transmission and 9 adjustable brightness levels.



The range offers single-source white-light or dual-source white and UV configurations, customisable to suit the application.

HD megapixel camera

Camera resolution ≥ 1.0 MP to capture details during inspection.



Illustrative comparison from the product documentation.



COBB NZQ



Other system

MODULAR SYSTEM

The right probe for the inspection

Probes with different specifications can be quickly exchanged to suit the inspection environment.



Quick replacement

The probe assembly detaches from the main unit to change the configuration.

DIAMETERS

3.9 / 6 / 8 mm

LENGTHS

1-3 m; customisable

The configuration section also lists custom lengths from 0.5 to 3 m; the technical table specifies 1-3 m.



360°

**Articulation in all directions.
Maximum bending angle $\geq 180^\circ$.**

High-density tungsten

Braided outer layer for durability and corrosion resistance. IP67-rated probe, resistant to water and oil.



IMAGE CONTROL

Full HD touchscreen

6-inch display with 1920 × 1080 pixel resolution and touch controls.



Camera settings

Adjustable parameters to suit viewing requirements.

Brightness	<input type="range"/>
Contrast	<input type="range"/>
Hue	<input type="range"/>
Sharpness	<input type="range"/>
Saturation	<input type="range"/>
Gamma	<input type="range"/>
White balance	<input type="range"/>
Exposure	<input type="range"/>

Reset

Cancel

Confirm

Built-in and expandable storage

Built-in storage saves images and recordings and helps prevent data loss. A USB drive can be connected to expand the available storage space.



32 GB

Standard TF card

128 GB

Maximum supported TF capacity

USB

External storage connection

INTEGRATED FUNCTIONS

Document what you see

Comparison measurement, annotations, watermarking and custom logos.

Watermark



Add a custom watermark to images.

Comparison measurement



Measure using a comparison method and a reference ruler.

Annotations



Add notes, markings and shapes directly to the image.

Custom logo



Set a logo to customise inspection documentation.

Additional functions: image freeze, photo and video capture, image flip, zoom and Wi-Fi connectivity.

OPERATION

Controls, connections and batteries

Control inspections using the touchscreen, physical buttons and joystick.



Joystick

Control probe direction.

Power and image freeze

Switch on / off and freeze the image.

Photos and video

Front and side capture buttons.

Navigation

Up / flip; down / zoom.

Menu and playback

Menu / confirm; back / playback.

Brightness and delete

Adjust illumination and delete files.



TF | HDMI | USB-C | AUX

Storage, video output, USB-C interface and auxiliary socket.

Four replaceable 18650 batteries

Rated operating time ≥ 8 hours for extended inspections.
Charging via the USB-C port and a dedicated battery charger.



USB-C charging

Charging port on the instrument body.

TECHNICAL SPECIFICATIONS

Main unit and system

Features and specifications of the COBB NZQ Dual Light platform.

MAIN UNIT

Display	6-inch Full HD touchscreen; 1920 × 1080 pixels
Dimensions	375 × 175 × 78 mm
Interfaces	USB-C, TF card slot, HDMI, AUX
Rated operating time	≥8 hours
Main unit protection rating	IP54
Operating temperature	-20 °C to +50 °C; low-temperature operation without preheating
Storage temperature	-20 °C to +60 °C
Relative humidity	Maximum 90%, non-condensing
Storage	Built-in storage; standard 32 GB TF card, TF support up to 128 GB

SYSTEM AND FUNCTIONS

File formats	JPEG (JPG) images; AVI video
Image functions	Comparison measurement, image freeze, photos, image flip, reference ruler, camera settings and watermarking
Connectivity	Wi-Fi
Languages	Italian, Chinese, English, German, French, Russian, Spanish, Polish, Japanese, Ukrainian and other languages

TECHNICAL SPECIFICATIONS

Probe and optics

Diameter, focus and field-of-view options listed in the technical data.

Probe diameters	3.9 mm / 6 mm / 8 mm
Camera resolution	≥1.0 MP
Length	1-3 m in the technical table
Articulation	360° in all directions
Maximum bending angle	≥180°
Depth of field	10-200 mm or 50 mm to infinity, optional
Field of view	90° / 120° / 140°, optional
Viewing direction	Forward view
Light transmission	High-power rear LED source; fibre-optic transmission
Operating temperature	-20 °C to +70 °C
Probe protection rating	IP67
Light source	White light or dual white and UV light, depending on configuration; UV wavelength: 365 nm

Custom configurations: the descriptive section lists lengths from 0.5 to 3 m. The Dual Light configuration includes white and UV light.



APPLICATION AREAS

Industrial inspection

Applications illustrated in the COBB NZQ Dual Light product documentation.



Aerospace



Precision casting



Mechanical casting



Automotive industry



Energy and power generation

SYSTEM AND ACCESSORIES

System equipment

Main unit, probe assembly and accessories listed in the product documentation.



Main unit



Probe assembly



Carrying case



Tripod



USB power adapter



Data cable



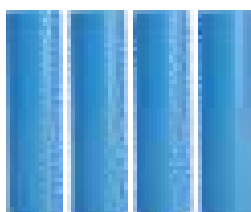
TF memory card



Card reader



Battery charger



4 × 18650 batteries



Instruction manual

The manual illustration is customised with COBB NZQ branding.

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