

IPLEX MXR VIDEOSCOPE



GENERAL DESCRIPTION

- Ideal videoscope for high-resolution inspection of constricted spaces
- Super-slim insertion tube and super-short hard tip
- Built-in recording unit to save inspection images
- Compact shoulder-carry portability for maximum mobility
- Four-way power-assist articulation for optimum maneuverability

Easy movement

Newly developed power assist articulation gives you more articulation with less work. The lower power consumption of this four-way articulation method means longer battery life. Just a light touch of the joystick moves the scope 120 degrees in any direction.

Maximum mobility

At just 10lbs. (4.4kg), the lightweight and portable B5-file-size IPLEX MX R can be carried to the inspection site with just a shoulder strap, and even body mounted with safety during the entire inspection - it's that mobile! Furthermore, the system uses a large capacity, yet lightweight and compact rechargeable Lithium-ion battery providing 2.5 hours of continuous operation for uninterrupted inspections. Extended battery stamina can be doubled when using an optional external battery kit.

Optional illumination

For added convenience in use, the MX R system provides an optional guide tube with an LED scope tip for supplementary illumination without halation distortion, which a mirror could not provide. That means you

can not only insert the IPLEX MX R scope easily into tight places, but also obtain clear, well-lit views of complex internal parts or building systems.

Advanced specifications

The IPLEX MX R is ideal for almost any inspection requirement, supported by an extensive array of indemand functions including freeze, electronic zoom, extended exposure and digital image recording. A monochrome boost mode is also incorporated to further increase image sensitivity for low light level conditions. Up to 920 digital images (JPEG format) can be recorded on the provided 128MB Compact Flash card. Images can be quickly transferred to the PC for full and immediate viewing.

Dual length convenience

Depending on the job at hand, the MX R system provides a choice of two different effective lengths for optimal access. There's a 5.0m length for many automotive or gas turbine inspection tasks, and an 8.0m effective length (available by special order) for jobs requiring longer insertion, such as plant maintenance.



**Making
technology
work for you!**

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Accredited to BS EN ISO 9001:2000

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TECHNICAL SPECIFICATIONS

Insertion tube/Control unit

Insertion tube

Tube exterior: Tungsten with special processing

Flexibility: TTF tube design that becomes more pliable towards the distal end

Optics

Field of view: 120° 100° for ø4.4mm scope

F No.: F3.3

Direction of view: Forward

Can be changed to side view by using the side view mirror adapter. (Exclusively for use on IV76)

Depth of field: ø4.4mm: 12-50mm, ø6.0mm: 18-1,000mm

Illumination method: LED

Articulation section

Articulation angle:

4 way, UP/DOWN/RIGHT/LEFT 120° (IV7620X2/IV7630X2/IV7415X2/IV7430X2)

4 way, UP/DOWN/RIGHT/LEFT 90° (IV7650X2/IV7680X2)

Articulation control:

Joystick control with power assist mechanism

Manual angulation (IV7680X2)

Weight: 0.5kg(IV7620X2/IV7415X2)/0.6kg(IV7630X2/IV7430X2)/0.8kg (IV7650X2)/1.2kg (IV7680X2)

Main unit

CCU

Brightness adjustment: 11 steps

Long exposure: Up to 1 sec. Exposure time is set automatically.

Boost mode: Monochrome brighter image by high gain amplifier than ordinary color image

Zoom: Electronic linear zoom up to 3x

On screen display: Date, time and Olympus logo (selectable)

Menu language: English, German, French, Spanish and Japanese (selectable)

Video output: BNC x 1, S-video x 1

Image recording

Image format: JPEG

Medium: CF card provided as standard

Recordable images: Over 920 images with 128MB CF card

LCD

5.6 inch TFT full color

Quiet mode

The system will operate at a slower fan speed and emit less audible noise.

Power supply

AC (AC adapter): 100-120V, 200-240V 50/60Hz

DC (Internal battery): 14.4V Max power consumption 27W

Battery operation time: 2.5 hours (Optional External Battery Case enables additional 2.5 hours operation)

Dimensions

200mm (W) x 220mm (H) x 80mm (D) (excluding projections)

223mm (W) x 247mm (H) x 137mm (D) (including projections)

Weight

AC (AC adapter): 3.4kg (including LCD)

DC (Internal battery): 3.8kg (including LCD and battery)

Carrying case

Dimensions

620mm (W) x 410mm (H) x 240mm (D) (excluding wheels)

Portability

Wheel and belt for transportation



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