

Life detector camera Leader CAM

CAM

Thanks to its search camera, Leader CAM is designed to visually locate victims in inaccessible confined spaces and interact with them to assess what help and relief is required.

Featuring an ergonomic control box with a bright, wide colour screen and a rechargeable battery (2.5 h battery life), Leader CAM is perfect for extended search operations in the field.

The search camera is fixed on an ultra lightweight carbon-fibre telescopic pole for great manoeuvrability in the field. The camera head is articulated, waterproof and illuminated to locate victims accurately. Finally, Leader CAM is equipped with a microphone/loudspeaker communication system placed on the camera to interact with the victim.

Compact

Leader CAM features a lightweight control box with an optimum screen size for USAR operations.

Priority to the image

All features are designed to avoid concealing the least possible part of the image captured by the camera: Image displayed on the entire screen and help icons for discrete device management.

Very light telescopic pole

The choice of a carbon-fibre pole seemed obvious to us. Similarly, to give 2 rescuers the opportunity to operate (one remains focused on the screen, the other operates the pole) allows more precision in the search.

Various applications

Leader CAM is used by USAR teams to search for buried victims under rubble in confined spaces, but also for visual search in wells or under water up to 180m. 90m reels allow these operations.

Technical specifications

- Modes: Search camera
- Technology: Search camera
- Features: Right/Left camera orientation, Manual 360° orientation, Lighting (8 illumination levels), Photo/Video recording, Photo/Video playback, Digital zoom x2, PTT audio communication, Image rotation, Right-handed / left-handed mode, Sound volume adjustment, Brightness adjustment, Charge level.

CONTROL BOX

- Dimensions: W 24 x H 15.2 x D 5.1 cm
- Weight with battery: 1.38 kg
- Screen: TFT LCD, 7" - 800 x 480 px WVGA

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- Screen protection: Transparent thermoplastic
 - Control box water and dust resistance: IP54
 - Autonomy: 2.5 h
 - Start time: <1 minute
 - Connections: Up to 2 headphones, Camera and Antenna
 - Wireless transmission: Antenna for interconnection of wireless seismic sensors (up to 100m in unobstructed space)
 - Memory card: Slot for micro SD card for recording photos and videos

POLE

- Models: 2.4m or 3.7m
- Weight: Model 2.4m = 1.4 kg / Model 3.7m = 2 kg
- Head: Model 2.4m = attached to the pole / Model 3.7m = detachable
- Material: Carbon fibre
- Pistol grip: Removable
- Pole/control box mounting: articulated arm supplied to attach the box to the pole

CAMERA HEAD (ON POLE)

- Diameter: 47 mm to fit in standard 51mm core holes
- Camera articulation: 170° (85° to right and 85° to left)
- Field of view: 260° in total
- Type of articulation: Motorised electric rotation with flexible articulation to absorb shocks
- Lighting: 8 LED with 8 illumination levels
- Communication: Microphone/loudspeaker integrated for half-duplex communication with victim
- Camera protection: Scratch-proof sapphire lens
- Water resistance: Up to 2m when the camera head has its water-resisting plug fitted

NOISE-REDUCING HEADPHONES

- Weight: 430 g
- Mono or Stereo: Stereo
- Microphone: Built-in to communicate in search camera mode
- NRR (Noise Reduction Rating) hearing protection: 23 dB
- Number of simultaneously connected pairs: 2 pairs of headphones, one being optional

CONTROL BOX BATTERY

- Dimensions: W 6.5 x H 13 x D 3cm
- Weight: 280gr
- Type: Lithium Ion Polymer. 37 Wh
- Autonomy: 2.5 h
- Charging time: 3.5 h
- Recharging cycles: 500
- Compatibility: Interchangeable with LEADER Search, LEADER Cam and LEADER Scan
- Spare battery pack: Supplied additionally for use when needed with 10 AAA batteries

TRANSPORT CASE

- Material: Rigid impact-resistant polypropylene shell
- Transport: Suitable for air transport (integrated pressure equalising valve)
- Dimensions: H 18 x D 43 x W 121 cm
- Empty weight: 7.80 kg
- Loaded case weight: 14 kg
- Water and dust resistance: IP67

- Number of wheels: 2
- Internal protection: Device contained in a case with foam integrated

