



LEADER CAM

Search camera with communication system

Developed with victim search specialists

LEADER Cam is used during rescue operations to see and communicate with victims trapped in inaccessible areas located high up or in confined spaces that are difficult to access such as rubble, pits, crevices, cavities, etc. LEADER Cam thus makes it possible to assess their level of assistance and rescue.

Ideal tool for tech searches with one or two operators

The LEADER Cam features an extra-large color display, an ergonomic graphical interface and an ultra-light carbon fiber telescopic pole.

Meets operational requirements

A number of internationally referenced rescue-rescue teams (INSARAG, Civil Defense, FEMA Task Force, USAR teams, NGOs, etc.) use LEADER search equipment.

Benefits

- Compact and ergonomic device
- Intuitive navigation interface
- "MONO-APP" control box for dedicated use of the CAM color camera.
- Extra large color display
- Report the camera position on the screen
- Ultralight 12.1 ft. telescopic pole
- Disconnectable color camera head
- Adjustable camera - total field of view: 260°
- Adjustable LED lighting with 8 intensity levels
- Microphone and speaker built into the camera
- Noise-canceling headphones with microphone for dialogue (one supplied, a second optional)
- Autonomy 2.5h

As part of our policy of researching and improving our equipment, we reserve the right to modify its characteristics at any time without prior notice.

Kit composition & functions

LEADER CAM COMPOSITION - Ref : D11.04.343D	
Control box MONO-APP	1
Pair of noise canceling headphones	1
Sun shade	1
Adjustable and disconnectable color camera head	1
Telescopic pole 12.1 ft.	1
Removable articulated arm (pole / box attachment)	1
Shoulder strap	1
Hand strap	1
Waterproof caps (camera waterproof accessory)	3
Battery	1
Charger	1
International connection adapter kit	1
Backup battery pack (without battery)	1
SD memory card Photos / Videos	1
Storage backpack	1
Shockproof and waterproof transport case	1
User Manual	1

FUNCTIONS IN SEARCH CAMERA MODE	
Digital zoom x 2	yes
Headphone volume adjustment	yes
Adjusting the microphone volume	yes
Push to Talk	yes
Adjusting the screen brightness	yes
Right-handed or left-handed user	yes
Battery charge level indication	yes
Display of the degree of rotation of the camera head	yes
Display of the illumination level of the LEDs placed on the camera head	yes
Image rotation up (0 °), down (180 °)	yes
Taking pictures	yes
Video recording	yes
Photo and video gallery for viewing recordings	yes

Technical characteristics

CONTROL BOX	
Specificity	Single-configuration MONO-APP box for use of the CAM color camera device
Dimensions	W 9.4" x H 6" x D 2"
Weight	3 lbs. with removable battery
Wired peripheral connections	3 IP68 connectors to connect either the CAM color camera, the TIC thermal camera, or the waterproof RD90 color camera with 295 ft. of cable on the reel.
Screen	TFT-type LCD, resolution 7" - 800 x 480 px WVGA, brightness 1000 candela/m2, LED backlight, 16-bit RGB colors,
Housing material	Polypropylene
Impact bumper	Thick rubber belt
Screen protector	Transparent thermoplastic plate: colorless PMMA 3 mm anti-abrasion
Impact resistance	Drop test carried out up to 6.56 ft.
Ingress Protection	IP54
Autonomy	2.5 hours
Start-up time	<1 minute
Keyboard	Phosphorescent
Memory card	Removable 8GB micro SD card
Operating temperatures	14° to + 140°F
Storage temperature	-40° to + 158° F
Box / pole fixing	System on the back of the box to fix the 'articulated arm' accessory to assemble the box and the pole.
Headphones	2 pairs of headphones can be used simultaneously. One supplied as standard and one optional incorporating a Y connector to connect the 2 pairs to the box.

TETE CAMERA COULEUR	
Dimensions	Length 12.8" and diameter 1.85" to fit into standard 2" core drilling holes
Weight	28 oz.
Camera articulation	170 ° (85 ° right and 85 ° left)
Field of view	260 ° in total
Type of articulation	Motorized electric rotation
Waterproofness	Yes, up to 6.56 ft. when the camera head is fitted with its cap (waterproof mode)
Type of lighting	8 LEDs with 8 levels of illumination.
Camera protection	Scratch-resistant sapphire glass
Microphone / speaker	Integrated into the camera to communicate with the victim in "half duplex"
Response frequency	300 Hz to 3500 Hz
Camera optics type	Lens
Camera focal length	F = 3mm fixed
Camera opening	90 °
Operating temperatures	14° to + 140°F
Storage temperature	-40° to + 158° F

TELESCOPIC POLE	
Material	Carbon fiber
Length	Folded: 3.6 ft. / Unfolded: 12.1 ft. CAM or TIC head included
Weight	3.75 lbs. pole only, 5.5 lbs. with CAM or TIC head
Pole / camera connector	IP67 (head connected)
Camera head locking on pole	Locking ring to screw on once the camera head is connected to secure the connection
Detachable handle	Yes

Pole / box fixing system	Yes, built-in location on the top of the pole to fix the articulated arm provided to fix the box on the pole.
Shoulder strap attachment	2 rings on the pole for attaching the shoulder strap.

ANTI-NOISE HEADPHONES

Reference	1 audio headset delivered with the control box. Replacement: 200 63 82
Weight	About 15 oz.
Sound type	Stereo
Built-in microphone	Yes, to communicate with victims in search camera mode
NRR hearing protection	Noise Reduction Rating: 23 dB

BATTERIE DU BOITIER DE CONTROLE

Reference	A battery is included with the control box. Additional battery: D11.04.341.
Dimensions	W 2.5" x H 5.1" x D 1.1"
Weight	9.9 oz.
Type	4 Lithium Ion Polymer cells (37 Wh)
Capacity	2500 mA.h
Autonomy	2.5 hours
Charging time	3.5 hours
Recharge cycles	500
Charging temperature	32° to + 113°F
Ingress Protection	IP54
Specificity	Interchangeable battery with existing LEADER SEARCH, LEADER CAM, LEADER HASTY and LEADER SCAN devices but also with the LEADER MULTISEARCH unit
Charge level indication	Permanently displayed on the screen of the housing

CHARGER FOR CONTROL BOX BATTERY

Reference	Supplied with the control box. Replacement: On request
Charger dimensions	H 4.1" x D 1.8" x W 1.4"
Charger weight	7 oz.
Charger input voltage	100-240 VAC / 50-60 Hz
International adapters	UK, EU, AUS, USA

BACK UP BATTERY PACK FOR CONTROL BOX

Reference	Supplied with the control box. Replacement: 200 61 55
Dimensions	W 2.5" x H 5.1" x D 1.1"
Weight with batteries (not supplied)	10.6 oz.
Batteries to use	10 AAA-LR03 lithium cell batteries
Autonomy	Up to 2 hours depending on the brand of batteries

Options & Accessories

ANTI-NOISE HEADPHONES

Reference	1 audio headset delivered with the control box. Replacement: 200 63 82
Weight	About 15 oz.
Sound type	Stereo
Built-in microphone	Yes, to communicate with victims in search camera mode
NRR hearing protection	Noise Reduction Rating: 23 dB

OPTION 2ND ANTI-NOISE HEADPHONES

Reference	additional headphones: D11.04.340
Description	1 pair of headphones with mirco supplied with Y connector to simultaneously connect 2 pairs of headphones to the control box

NECK STRAP

Reference	Delivered with the control box. Replacement: 200 63 03
Material	Braided fabric supplied with hooks for attachment to the 4 corners of the box
Length	47.25"

HAND STRAP

Reference	Delivered with the control box. Replacement: 200 61 97
Material	Braided fabric
Adjustment system	Velcro

SUN SHADE

Reference	Delivered with the control box. Replacement: D11.04.339
Material	Thermoformed foam with elastic straps for attachment to the control box

REMOVABLE ARTICULATED ARM

Reference	Supplied with the control box. Replacement: 200 66 21
Function	System for fixing the box on the pole
Material	Hinged rigid metal spring
Weight	8.8 oz.

CAMERA SEALING PLUGS

Reference	Supplied with the TIC head. Replacement: 200 38 45
Function	Seals the camera head up to 6.56 ft. deep
Material	Plastic + gasket

OPTIONAL 295 ft. EXTENSION

Reference	D11.04.348D
Description	295 ft. anti-abrasion orange cable wound on a reel. Integrated metal and waterproof connectors.

OPTIONAL 82 ft. EXTENSION

Reference	D11.04.356D
Description	82 ft. orange anti-abrasion cable. Integrated metal connectors. Delivered without special packaging.

Transport and storage of equipment

BACKPACK FOR FIELD RESPONSE

Material Polyester	Polyester 1200
Dimensions	43" x 14.5" x 5.5"
Unloaded weight	6.6 lbs.
Color	Red with reflective stripes

TRANSPORT CASE

Material	Shockproof polypropylene hard shell
Color	Orange with content marking on cover
Suitable for air transport	Integrated pressure balancing valve
Dimensions	H 6.3" x D 17.7" x L 46.4"
Unloaded weight	17.4 lbs.
Ingress Protection	IP67
Number of casters	2

Warranty

WARRANTY

Device	2 year warranty excluding accessories
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