

Disaster Deployment Kit

The all-in-one search and rescue toolbox

A complete solution for full-scale victim search operations



VISUAL, SEISMIC, AND ACOUSTIC EFFICIENCY

A comprehensive all-in-one search and rescue toolbox covering visual victim search and location as well as life detection through seismic and acoustic sensors. Tailored for seamless procurement, deployment, and storage, making it an optimal choice for urban search and rescue teams, FEMA, and SUSAR units requiring a high-quality, user-friendly, cost-effective search system.



DELSAR MAIN COMPONENTS

LD3 DISPLAY INTERFACE

Sensor Input ports	2
Seismic Sensors	6
Acoustic Sensors	2
Visual Display	Up to all six seismic sensors or two acoustic sensors simultaneously
Headset outputs	2 x 5-pin Nexus Jack
Audio Selection	0-6 sensors, audio response is summed, stereo output can be selected with any 2 sensors
Frequency Range	1 Hz - 3000 Hz
Sound Filters	Low & High
Record Capacity	300 second loop, indexed to 15 second blocks
Power source	2 x Li-Ion 18650 battery
Battery type	Rechargeable protected circuit and button top 18650 Li-Ion battery, 3.5Ah 3.6-3.7 V
Battery dimension	ø 18-18,6 x 68,6-69.3 mm
Operating time	Up to 13 h Nominal at 20°C
Charge temp.	0-40°C
Display interface LD3 dimensions	17 x 13 x 8,3 cm
Display interface LD3 weight	950g

ACOUSTIC SENSOR

Sensor accessories	SC3000 standard and long tube (optional accessory)
Position sensitivity	Can be used in any position
Freq. response	200 Hz to 3000 Hz
Acoustic sensor dimensions	ø 4,7 x 15 cm
Seismic sensor weight	610g

HEADSET

Attachment / fastening	Headband
Slim cups	Yes
Active hearing protection	Yes
Hear trough volume control	Yes
Victim communication	Trough boom microphone With and without active mode
Battery type	2 x AAA battery
Operating time	Up to 250 h
Headset connector	5-pin Nexus
Weight	390 g
Hearing protector attenuation	SNR 28 dB / NRR 23 dB / SLC 28 dB
EMC	MIL-STD-461G

VICTIM SIMULATOR (DVS)

Start/Stop switch	physical switch on the device or RC
Knock frequency	~ 40 times per minute
Battery type	9 v Alkaline
weight	1,25 kg
Illumination	16 element high-output white led array with multiple levels

SEISMIC SENSOR

Sensor accessories	Spike for soft ground and magnetic clamp for metal surfaces.
Position sensitivity	Can be used in any position
Freq. response	1 Hz to 3000 Hz
Seismic sensor dimensions	ø 7,6 x 6 cm
Seismic sensor weight	490g

SEARCHCAM 3000 MAIN COMPONENTS

POWER MODULE

Pistol grip controls	Yes
Power source	4 x Li-Ion 18650 battery
Battery type	Rechargeable protected circuit and button top 18650 Li-Ion battery, 3.5Ah 3.6-3.7 V
Battery dimension	ø 18-18,6 x 68,6-69.3 mm
Operating time	Up to 3 h nominal at 20°C
Charge temp.	0-40°C

VIDEO DISPLAY UNIT

Screen size	5.7"
Display resolution	640 x 480
ClearSearch display	Yes
Memory card type	SDHC card
File type	Still picture or video. File type BMP and MPEG-4 ext AVI (720 x 480 Frame Size @29.97 FPS)
Headset port	5-pin Nexus Jack
Enclosure dimensions	21.4 x 13 x 6.1 cm
VDU coiled cable extended length	2 m

CAMERA HEAD

Camera type	Color (6010-02-000) Infrared (6010-02-002)
Camera sensor	1/3" 960H SONY EXview HAD CCD II
Lens	6mm / F2.0
Min. illumination	0.1 lux
Viewing distance in total darkness	6m
Field of view	280°
Articulation angle	240°
Camera tilt radius	11 cm
Safety clutch	Yes
Two-way audio	Yes
Camera head dimension	ø 4,7 x 37cm

TUBES

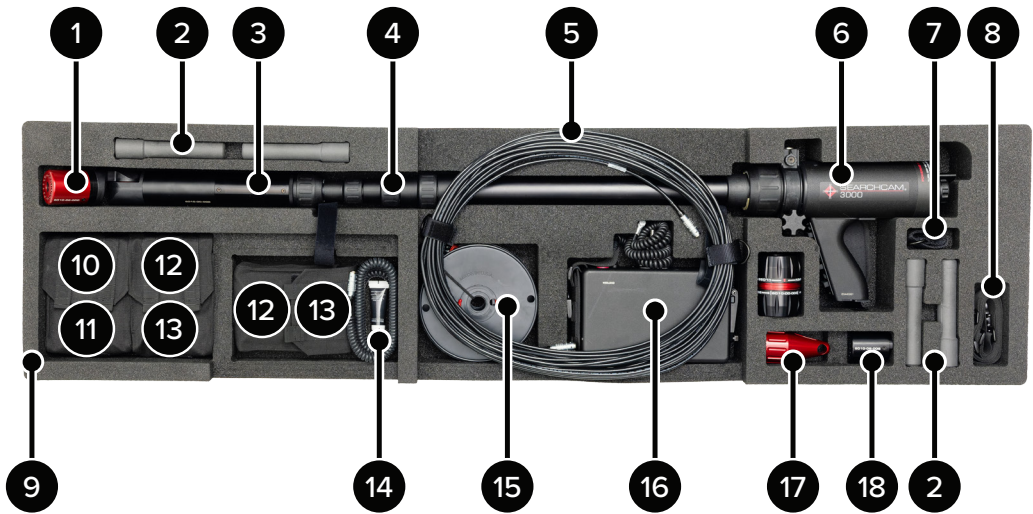
Standard tube set length	66-198 cm
Long tube set length	122- 426 cm
Extension tube length	104 cm

HARD CASE



Weight	39,5 kg
Case dimensions	143,0 x 41,5 x 29,6 cm

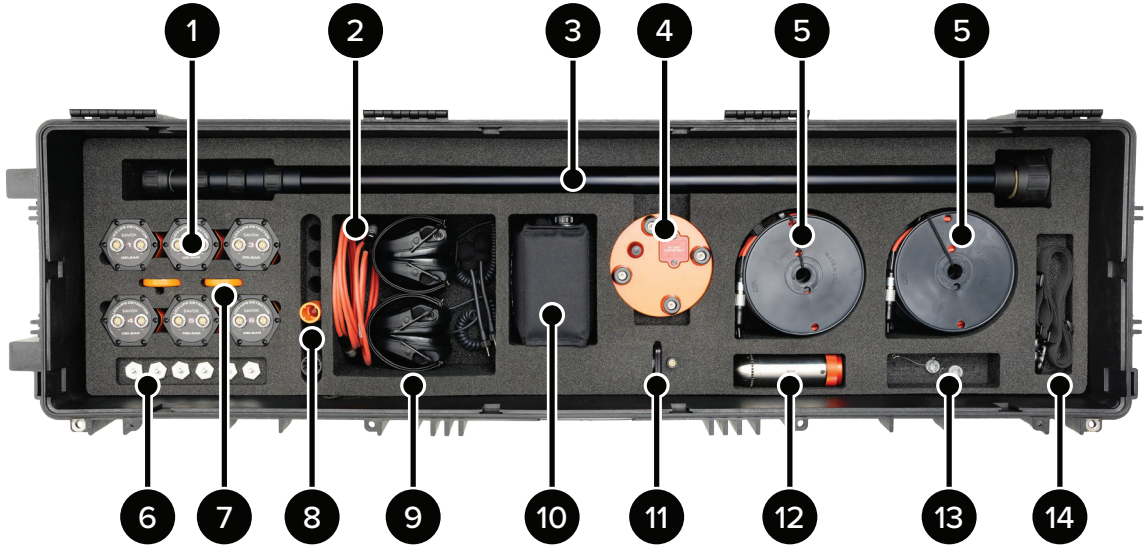
KIT CONTENT (UPPER PART)



ITEM	DESCRIPTION	PART NUMBER	QTY.
1	Color Camera	6010-02-000	1
2	18650 Battery Cartridge	M008946	4
3	Gearbox/audio module	6010-00-002	1
4	Standard Tube Set	6010-01-000	1
5	23 m Camera Extension Cable	6010-04-000	1
6	Power Module	6010-00-001	1
7	Tube Strap	6010-06-004	1
8	Shoulder Sling	6010-06-003	1
9	Upper Foam	-	1
10	18650 Battery *	U008998	12
11	18650 Battery Carry Case *	U009017	6
12	18650 4-bay Charger with Wall Connector *	U008997	2
13	Charger Manual (with Charger) *	-	2
14	Tube of Grease	6010-03-003	1
	Long Coiled Coax Cable	6010-04-003	1
15	21 m Rope with Carabiner	6010-04-005	1
16	ClearSearch™ Video Display Unit (VDU)	6010-00-008	1
17	Camera Head Rope Coupler	6010-04-001	1
18	Infrared Camera	6010-02-002	1

* Inside black molle pouch

KIT CONTENT (LOWER PART)



ITEM	DESCRIPTION	PART NUMBER	QTY.
1	Seismic Sensor #1	6020-02-001	1
	Seismic Sensor #2	6020-02-002	1
	Seismic Sensor #3	6020-02-003	1
	Seismic Sensor #4	6020-02-004	1
	Seismic Sensor #5	6020-02-005	1
	Seismic Sensor #6	6020-02-006	1
2	Sensor Connecting Cable 3m	6020-04-003	1
3	Long Tube Set	6010-01-001	1
	Extension Tube	6010-01-002	1
4	Delsar Victim Simulator	1902-29-046	1
5	Sensor Connecting Cable 10m (on spool)	6020-04-010	6
6	Sensor Spike	6020-05-001	6
7	Magnetic Sensor Clamp	6020-05-002	2
8	CR123 Battery Cartridge	0823-10-074	1
9	USAR Headset	K5694-11218R	2
10	LD3 Display Interface	6020-03-001	1
11	DVS Remote Control and Antenna	0316-23-012	1
12	Acoustic Sensor #1	6020-03-003	1
13	Sensor Connector Cap	0314-04-030	2
14	Shoulder Sling	6010-06-003	1
15	Operational Manuals *	7000-01-004	1
		6010-90-000	1

* Item not shown

COMPLIANCE

Recommended operational temp.	-10-43°C
Absolute storage temp.	-23-60°C
Camera Head sealing	Compliance with IP54
Camera Head sealing with Enviromental Sleeve	Compliance with IP68
Power Module sealing	Compliance with IP54
VDU sealing	Compliance with IP54
LD3 Display Interface sealing	Compliance with IP54
Seismic Sensor sealing with Sensor Cable	Compliance with IP67
Acoustic Sensor sealing with Sensor Cable	Compliance with IP67