



SEARCHCAM® **Recon II**™

Rescue Squad Camera



Searchcam Precision Control

The Searchcam® Recon II is designed for Urban Search and Rescue Squads. The Recon II strikes a balance between the sophisticated Searchcam 2000 Victim Location system, which is designed primarily for search operations in major structural collapse incidents, and the Searchcam Mongoose, which is designed to aid in victim extrication. The Recon II provides rescue squads with a general purpose camera system that is tailored to the task typically assigned to the rescue squad. The Recon II enables rescue squads to perform limited visual search through multiple debris layers, as well as victim observation after the Search Team has moved on to other locations. The Recon II is small enough to be easily maneuverable in the rubble, yet will extend long enough to be effective for multi-floor search operations. Effective viewing distance is as close as a few inches to over 10 feet (3 m) in total darkness. Operational ease is further enhanced by the detachable display. With the display attached, the probe is easy to operate with one hand. In confined areas the display can be quickly removed for increased mobility. The Recon II is compatible with all Searchcam 2000 accessories and batteries, which guarantees compatibility and interoperability with hundreds of rescue teams worldwide. The Searchcam Recon II is built using the same quality and workmanship found in the top of the line Searchcam 2000; there is no compromise in quality to reduce the cost of the system. The Recon II is designed for rescue squads that understand the value of visual search and observation during structural collapse rescues and want the quality and features found only in a Searchcam.



Get the big picture with the Recon II's two-way 180 degree articulating camera head. The telescoping probe provides extended reach to view larger areas. Smooth, precise camera head articulation control is a hallmark of the Searchcam system. The Recon II articulation controls are smooth and precise, just like you expect from a Searchcam.



System Specifications

SEARCHCAM RECON II™ FEATURES

- Color Camera with DSP Color Control
- 5" LCD Detachable Display
- Integrated 16 Element White LED Illumination with Dual Output
- Direct Drive 180 degree Articulating Camera Head
- Telescoping Probe (31" to 45") (79 cm to 115 cm)
- Lightweight Probe (4.5 lbs (2 kg) with Display)
- Rechargeable Batteries with Minimum Two Hour Endurance Under Full Load
- Compatible with all Searchcam 2000 Accessories
- Two Batteries, Charger, Sunshield and Custom Pelican® Case
- Full One Year Warranty
- Made in the USA

SEARCHCAM 2000

The Ultimate Victim Location System

The International Standard Since 1989.



Accessory Options

The Recon II is available in an accessory configuration to the Searchcam 2000 system. As an accessory, the Recon II is sold without the video display, batteries, and the charger. This saves the cost of duplicating equipment that can be shared between the systems. The combination of the Recon II and the Searchcam 2000 further enhances the rescue team's ability to operate within the urban search and rescue environment.

SEARCHCAM®
Superior Engineering...
Superior Technology.

ORDER INFORMATION - Recon II

PART #	DESCRIPTION
SC-RCN-CL	RECON II – RESCUE SQUAD CAMERA
SC2-VOC	Video Output Cable (Provides RCA/BNC video out for recording or remote monitoring)
SC2-VDE	Video Display Extension Cable, 15'(4.6 m)
SC-BAT25	Battery Pack.

Accessory Configuration: add /ASY to above part number. This will delete monitor, batteries, charger and sun shield.

VIDEO

CAMERA Color, 1/4 CCD, 5 lux, 380 lines, auto-iris, DSP control
 ILLUMINATION 16 element white LED array with dual level output
 VIDEO DISPLAY 5" Diagonal, active-matrix TFT display with on-screen graphics for illumination level and battery charge indicator. Display is detachable from probe.

VIDEO OUTPUT Available with optional output cable (p/n SC2-VOC)
 VIDEO STANDARD NTSC or PAL
 VIEWING DISTANCE 10'(3 m) (recommended optimum in total darkness)

SYSTEM CONTROLS

OPERATION Single button control for power and illumination level
 DISPLAY Display brightness and contrast control
 BATTERY SAVER Automatic battery saver feature shuts system off after 30 minutes of inactivity.
 ARTICULATION Direct-drive finger operated control ring with 15-degree incremental detents.

DIMENSIONS

PROBE LENGTH Telescopes from 31" to 45" (79 cm to 115 cm)
 PROBE WEIGHT 4.5 lbs (2 kg) with display attached
 CAMERA HEAD OD 1.7" (43 mm)
 MIN. ACCESS POINT 1.75" diameter (44 mm)
 ARTICULATION TRAVEL 180° total, left to right
 TOTAL AREA VIEWED 230° (single pan with no rotation)

BATTERY

TYPE Sealed Lead Acid, 2.5 A/hr
 ENDURANCE Min. 2 hours, continuous duty under maximum load (Min. 6 hours with Searchcam 2000 battery pack)
 RECHARGE 2 hour recharge time
 WEIGHT 3 lbs (1.3 kg)
 CHARGER TYPE Automatic, dual rate, 110-220 VAC

ENVIRONMENTAL

OPERATION TEMP 14° to 140° F (-10° to 60° C)
 STORAGE TEMP Recommended: 32° to 75° F (0° to 20° C)
 Absolute: 10° to 140° F (-25° to 60° C)
 WATER/ DUST Water resistant camera head, not designed for immersion in water. Dust tight. IP64

STORAGE CASE

TYPE Custom Pelican® brand, water and dust tight, with wheels
 DIMENSION 38.5" L x 17.5" W x 6.25" D
 97.8cm x 44.5 cm x 15.8 cm
 WEIGHT LOADED 34 lbs (15 kg)



*The Recon II
 USAR Squad Camera
 packed in custom case*



SEARCH SYSTEMS INCORPORATED

P.O. Box 80307 • Bakersfield, California, USA 93380-0307
 661/399-7107 • 800/722-2824
 Fax: 661/399-3284

www.searchsystems.com

SEARCHCAM Recon II is designed and manufactured in the U.S.A. by Search Systems, Incorporated.

SEARCHCAM® is a Registered Trade Mark of Search Systems, Incorporated. Specifications subject to change without prior notice.

