



# SC-500 DOWNHOLE CAMERA SYSTEM

## DESCRIPTION

The new **SC-500 Downhole camera system** is a completely portable lightweight system for surveying boreholes and water wells from 2" inches (5cm) to 10" inches (25cm) wide and 500 feet (150m) deep. The system comes as a **standard package\*** (see details below) and accessories can be added to the system including battery and tripod. The camera winch is manually operated with a collapsible handle.

## MAIN CHARACTERISTICS

- Ultra-light, compact and portable
- Survey water wells, boreholes and vertical shafts from 2" inches (5cm) to 10" inches (25cm)
- Manually operated winch with collapsible handle
- Braking system allows 360 degree stopping capability
- **\*Standard system** includes: winch, control centre, 9" touch screen monitor, camera & power cable
- Completely compatible with R-CAM product series - easily upgrade the system or compliment an existing R-CAM
- Full line of SC-500 accessories including depth counter tripod assembly available



## TECHNICAL CHARACTERISTICS

### SC-166 Camera Specifications

- **Camera diameter:** 1.66" inches (4.22cm) O.D.
- **Overall camera length:** 16.5" inches (42cm)
- **Housing:** Stainless steel
- **Lens:** BK-7 glass
- **Pressure rating:** Pressure tested and waterproof to 750 psi
- **Camera resolution:** Downhole greater than or equal to 540 TVL (both NTSC and PAL)
- **Operating temperature:** 0° to 50°C (32° to 122°F)
- **LED lighting:** 18 high intensity, long life, shock proof LEDs

### SC-500 Winch Specifications

- **Cable:** 500 feet (150 metres) of kevlar reinforced cable
- **Cable head:** Detachable Laval quick-connect cable head, pressure rated to 5,000 PSI with built in strain relief
- **Drive:** Manual hand crank reel with collapsible handle for maximum portability
- **Power supply:** 12VDC power cable, (optional) 12V battery pack or 120VAC/220VAC adapter
- **Dimensions:** 17" inches high (43cm) 15.5" inches wide (40cm), 15" inches deep
- **Monitor:** 9" inch touch screen LCD colour monitor with **built-in record and playback feature**
- **Depth counter:** Encoder ready, on-screen depth display measured in feet and tenths or meters, with optional tripod
- **Tripod:** (Optional) tripod with telescoping legs extends from 33" inches (84cm) to 48" inches (122cm) with adjustable sheave roller. Optical depth encoder, counter wheel and connecting cables available
- **Video output:** RCA composite video output



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