

# R-CAM 1000 TLE DOWNHOLE CAMERA SYSTEM WITH LEVEL WIND

## DESCRIPTION

The Laval *R-Cam 1000 TLE* downhole camera is a completely portable, self-contained video inspection dual view camera system that can inspect boreholes up to 300m (1000 ft.) deep and 30.5cm (1.64 ft.) in diameter. **The *R-Cam 1000 TLE* camera has the ability to increase and decrease the cameras lighting on demand.**

Designed to increase the versatility and portability of the R-CAM camera system, the R-CAM TLE Level Wind features a host of features not found on the standard R-CAM XLT winch, starting with the inclusion of a level wind. **The R-CAM TLE's level wind has been designed to provide a higher degree of cable management that allows the operator to focus solely on conducting video surveys.** The R-CAM TLE also features a high resolution, 100 pulse encoder that has been repositioned to vastly increase counter accuracy and allow for a variety of in-field setups such as the use of a tripod.

This lightweight, professional grade camera comes with its own trolley. Features include down and side viewing capability, an on-screen depth counter, 9" DVR Monitor, 16GB of internal/external storage, 12v power supply and a portable battery.

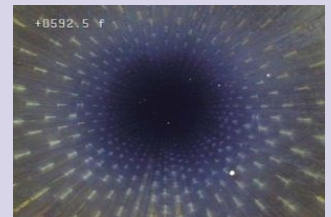
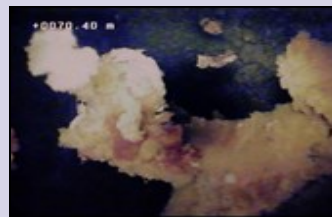
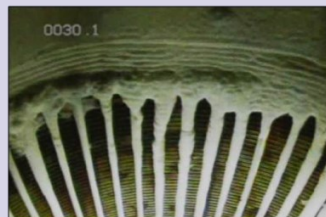
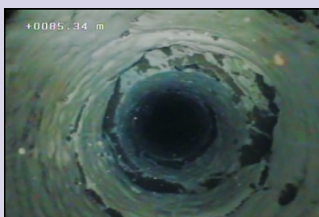


## TECHNICAL CHARACTERISTICS

- Diameter: 2 inches (5.1 cm) O.D, Overall Camera Length: 20 inches (50.8 cm)
- Counter: 100PPR, High-Resolution Optical Encoder with Dual Pressure Rollers
- Transport: Removable Boom and Handle
- Spooling: Automatic, Gear Driven Level Wind to Evenly Distribute Cable
- Cable: 1,000 feet (304.8 m) Kevlar-reinforced, small diameter coaxial cable. Single conductor electronic technology. Speed: 9rpm
- Power Supply: Portable 12VDC battery pack and charger. Rechargeable by local current (please specify at time of order).
- Pressure Rating: Pressure tested and waterproof to 750 p.s.i.
- Dimensions: 40" (101.6 cm) Tall, 18" (45.72 cm) Wide, 47" (119.38 cm) Long
- Scanning System: Camera Modules greater than or equal to 540 TVL for NTSC & PAL
- Operating Temperature: 32° to 122° F (0° to 50° C)
- Recorder: Flash based hard drive with 16GB of internal storage and 16GB of external USB storage. Survey footage is exported natively in a [single .mp4 format file](#)
- LED Lighting: High intensity, long life, shock proof LED lighting, side view and forward view with 5 adjustable brightness settings.
- Depth Counter: On-screen depth display with calibration measured in feet and tenths, or meters.
- Monitor: 9" LCD colour DVR monitor with playback feature & image capture, also includes Mini Bluetooth Keyboard remote (qwerty)



**Down and side view high quality videos for optimal viewing**



Improve your performance and quality  
Real-time inspection footage on-site  
'R-CAM Underwater Vision'

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## R-CAM TLE RECORDING FEATURES

- State-of the art solid state DVR that records survey footage to 16GB of internal storage and/or expandable USB flash drive
- Mini Bluetooth Keyboard remote (qwerty)
- Survey footage is exported natively in a single .mp4 format file
- DVR recording and playback feature, image capture
- Add text details at the start of your survey
- Built in microphone recorder, so you can add voiceover at touch of a button
- Five stages of adjustable lighting



## KEY FEATURES OF R-CAM TLE LEVEL WIND

### Portable Camera Control Unit

Compact package with hard case and locking mechanism for the monitor and all control functions

### Video/Recording Monitor

9" LCD colour DVR monitor with record and playback feature, records to USB and/or internal 16GB storage

### Transport cart

Custom two wheeled unit for ultimate mobility

### Powered reel with level wind

Adjustable speed powered winch with 300 m (1,000 ft.) of Kevlar reinforced coaxial cable

### Level Wind

level wind has been designed to provide a higher degree of cable management that allows the operator to focus solely on conducting video surveys.

### High Intensity Lighting/Dual Camera System

**50 super bright, water-clear LEDs with five stages of adjustable lighting which allows high resolution videos in wells up to 30.5cm in diameter.**

Dual wide angle cameras, one down view, one side view, with remote switching and continuous 360° rotation.

### Portable Power Supply

12v Battery with charger and digital volt meter, battery compartment to provide a convenient storage location for the 12-volt battery.

Available accessories: Flight Cases, One touch recorder, Lens shield & deflector & cable head repair kits



View the R-CAM 1000 in action, visit our YouTube Channel;

[www.youtube.com/user/geoquipwater](http://www.youtube.com/user/geoquipwater)

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