

## STRATACAM™ MINI BOREHOLE CAMERA

COLOUR MONITOR: 178 mm (7 in.) COLOUR TFT-LCD DISPLAY WITH MONITOR HOOD FOR BRIGHT CONDITIONS.

ON-SCREEN DIGITAL DEPTH DISPLAY: 000.0 METRES.

POWER: EXTERNAL 12 VDC, OPTIONAL BATTERY/CHARGER AVAILABLE.

DOWN VIEW CAMERA: 18 HIGH INTENSITY LED LIGHTS.

BOREHOLE DIAMETER: 50.8 MM (2 IN.) AND LARGER.

WET CONDITIONS: WATER TIGHT TO 3.4 MPa (500 psi).

MAXIMUM DEPTH: 107 M (350 FT.).



DOWN VIEW  
CAMERA



CAMERA IMAGE



MREL's StrataCam™ Mini Borehole Camera is a smaller, more affordable, manual reel version of MREL's popular full-size StrataCam™ Borehole Camera. It is used to clearly view and accurately record the physical location of geological strata, weak/strong boundaries, ore/waste boundaries, coal seams, top of coal, free-surface of water or ingress points, in-situ fractures, cavities, and irregularities. This information is valuable to a blaster who may need to modify the explosives loading plan accordingly.

The StrataCam™ Mini Borehole Camera can perform high resolution video surveys of dry or water filled boreholes with diameters as small as 50.8 mm (2 in.) to a maximum depth of 107 m (350 ft.). When video surveying a borehole, the Operator can easily operate the StrataCam™ Mini Borehole Camera's manual cable reel to raise or lower the camera's position in the borehole and apply the brake lever to stop the reel at any point for a thorough inspection while viewing the live colour video feed on the LCD monitor. The LCD monitor continuously displays the total depth of the camera digitally.

The StrataCam™ Mini Borehole Camera's down view camera is illuminated by shock-proof high intensity LEDs with over 5000 hours lifespan. The system comes standard with the manual winch, control center, LCD monitor, illuminated camera head, tripod, optical depth encoder, counter wheel, USB video capture device and software, connecting cables and 12 VDC power cable.

The StrataCam™ Mini Borehole Camera is provided fully equipped. It is optionally available with the StrataCam™ Mini Battery and Charger which provides portable rechargeable power to the camera.

Downview colour camera with industry leading image quality.

Affordable, easy to use and portable.

Manual cable reel with manual brake.

Shock-proof LED lighting lasts over 5000 hours.

Provided fully equipped and fully assembled.

MREL's 1 year Comprehensive Parts & Labour Warranty.



## STRATACAM™ MINI BOREHOLE CAMERA SPECIFICATIONS:

**Cable:** 350 feet (107 meters) of Kevlar Reinforced Coaxial Cable.

**Cable Head:** Detachable quick-connect cable head, pressure rated to 5,000 psi (34.47 MPa) with built in strain relief.

**Power:** Power cable for connection to 12 VDC vehicle battery. 100-240 VAC universal adapter and battery connection cables are provided. Optional 12V Battery Pack or 120VAC/220VAC Adaptor.

**Resolution:** Greater than or equal to 540 TVL (both NTSC and PAL)

**LED Lighting:** 18 High intensity, long life, shock proof LEDs.

**Pressure Rating:** Pressure tested and waterproof to 750 psi (5.17 MPa).

**Drive:** Manual hand crank reel with collapsible handle for maximum portability.

**System Weight:** 10 kg (22 lbs) without cable. 13.6 kg (30 lbs) with cable.

**Camera Weight:** 4.1 kg (9 lbs).

**Brake:** Interlocking manual brake with actuator lever for 360 degree stopping capability.

**System Components Provided:** StrataCam™ Mini Camera (down view) with 107 m (350 ft.) cable, StrataCam™ Mini Cable Reel with collapsible handle and brake, StrataCam™ Mini Control Center, StrataCam™ Mini Monitor with Hood and Mounting Plate, StrataCam™ Mini Tripod Assembly, StrataCam™ Mini Pulley System with Integrated Depth Counter, StrataCam™ Mini RCA-USB Video Capture Device, Power and Interconnect Cables.

**Environmental:** The StrataCam™ Mini Borehole Camera is fully operational from 0°C to +50°C (+32°F to +122°F).

**Warranty:** MREL's 1 year Comprehensive Parts and Labour Warranty.

**Technical Support:** MREL's Unlimited Technical Support Program by secure customer portal, email, and telephone.

## OPTIONS:

**BATTERY AND CHARGER:** StrataCam™ Mini Battery and Charger to conveniently power the camera in the field.

**DVR RECORDER:** StrataCam™ Mini 12 VDC Portable DVR Video Recorder to conveniently record video to a microSD card in the field.

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