

GROUNDVIEW 1200

Borehole Camera and Motorised Winch System



APPLICATIONS The Groundview portable borehole video system features four interchangeable video cameras, including motorised pan-and-tilt heads, and a twin-camera dual-view head (down and side). Perfect for inspection of wells, bores, groundwater boreholes, mine shafts and even open water, you can check casing integrity, use it for lost equipment recovery, check downhole pump operation, find contaminants, verify downhole instrumentation installations, and even use them for search and rescue.

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FEATURES

- Pan-and-tilt Full HD Camera
- Fully waterproof camera with water depth and temperature sensor display on the video
- Professional grade watertight connectors
- Unique data transmission protocol to transmit signal long distances via two core cable
- Shielded underwater cable pull resistance, double shielded, high-tensile, anti-corrosive, anti-wear
- Motorised forward and retract modes with variable speed control
- 1200m cable length standard, custom shorter cable lengths available to save weight/cost
- Up to 7kms of cable available on special order
- Winch cable depth counter with on screen display
- Inbuilt pressure sensor in camera to measure pressure head
- All in one control module with LCD display, microphone and full keyboard, battery or mains powered
- Camera focus and LED intensity control and capture video files to USB
- Fully customisable control module that can be set to many languages

GROUNDVIEW SERIES



The Groundview series of borehole inspection systems are state of the art camera and winch packages that capture HD footage via a small pan and tilt camera. They transmit signals over very long cable runs, pushing the boundaries of drill hole inspections. Conveniently the entire series (excluding Groundview Scope) is controlled by the same control module that displays and captures footage to USB. It features a full keyboard so notes can be made on screen, and it also includes a microphone for verbal commentary. For deeper bore applications the GV1200 comes with a high compressive pressure rated pan-tilt or dual-view camera, with up to 1200m of cable.

Control Box:

ABS Main Control Box, equipped with a variety of accessories, integrated control

Voltage Input: DC12V

Depth Interface: 4-pin port for connecting the depth sensor

Probe Interface: 6-pin port for camera power, video signal, camera controls

Data Interface: Record the well number and calibrate depth automatically

Data Storage: USB-A socket for removable USB drive, supports 128GB max.

Depth Return to Zero: Action before well-logging for accurately depth counts

Display: 13.3" high brightness 2K LED display, sunshade for outdoor visibility

Controls: Pan and Tilt, Auto-Pan Speed, LED Lighting, Camera Focus

Electric Cable Winch

Motorised cable winding with adjustable speed

Motor: DC permanent magnet, power off self-locking

Pulley: Includes depth counter, data line to control box

Dimensions: 120 x 68 x 56 cm

Weight: >130kg (depends on cable length specified)

Material: Aluminium plate

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CAMERA SPECIFICATIONS

Model	Groundview 1200
Camera Module	
Image Sensor	1/1.8" 2MP SONY CMOS
Effect Pixel	1920(H)x1080(V)
Sensor	Water depth and temperature optional
Camera Options	360° Pan/Tilt, Dual Scan, microphone optional
Compressive pressure	30MPa (Pan/Tilt), 10MPa (Dual Scan)
Focal	Auto/Manual
LED	6pcs 1W White LED
Material	Stainless Steel 304
Electronic shutter	1/25s~1/10000s; Automatic Adjustment
Min Illumination	Colour 0.001Lux@F1.2
S/N Ratio	≥50dB (AGC OFF)
Day and night switch mode	Photo Detect / Video Detect / Time Detect
WDR	80dB WDR
Digital Noise Reduction	3D NR
ROI region	Support up to 4 ROI regions
Lens	3.6mm 5MP lens
Power Supply	DC 12V
Power consumption	2W (max)
Size	55mm
Weight	2kg

