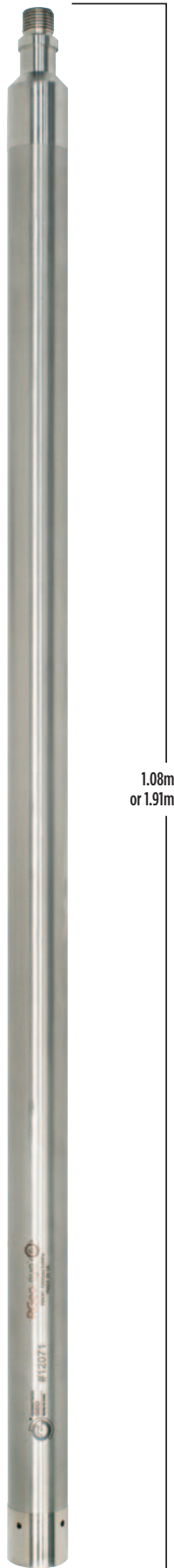


PROBES

RGeo-EYE® DOWNHOLE CAMERA



RGeo-eye® Downhole Camera

RGeo-eye® is a slimline full colour downward view camera, operating on a 4-core or coaxial cable at a high transmission rate and is fully compatible with existing Robertson Geo winches and surface systems. Application software supplied with the system enables control of camera functionality and real time deep subsurface video feed for the operative.

This is an innovative development of downhole camera use and availability for the geophysical data acquisition markets. The RGeo-eye® camera, an in-house design and build system by Robertson Geo, is fully backed by a technical resource that only a proven original equipment manufacturer can provide.

It provides a deep subsurface range of 3,000m (10,000ft), operates on industry standard 4-core or coaxial wireline cable and offers pressure ratings to 5000 psi with a minimum 75°C temperature rating.



SPECIFICATION:

Applications

Borehole and casing integrity inspection
Surveillance of mines, shafts, caverns and voids
Assessment of deep concrete piles
Pre-logging borehole examination
Damage detection in subsurface structures

Operating Conditions

Borehole Type: Air / water-filled; open hole or cased hole
Recommended Logging Speed: 2 - 5m/min
Depth rating: 3,000m on 4-core cable or 1,000m on coaxial cable*

Specifications

Diameter: 43mm
Length: 1.08m, or 1.91m with sinker bar
Weight: 5kgs
Communication rate: RGeo-fast® 1 Megabit/sec
Resolution: Up to 30 frames per sec SVGA (800x600)
or (600 x 600) - User selectable
'Snapshot' mode: high resolution still image at UXGA (1600 x 1200)
Standard temperature rating:
0-90°C at 5000psi (3000m) - 1,000m, 2,000m and 3,000m versions available
Max pressure: 5000 psi (3,000m)
Autofocus
Frontal LED internal array, with adjustable lighting intensity
Light output: 6 x 282lm @ 3,000K LEDs
Additional lighting options for large diameter voids



CE Certified and manufactured within an ISO9001:2015 quality system

Recommended minimum computer specification:

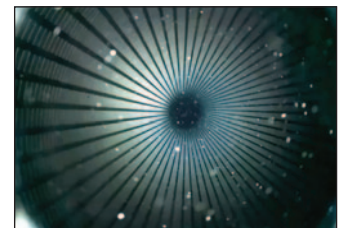
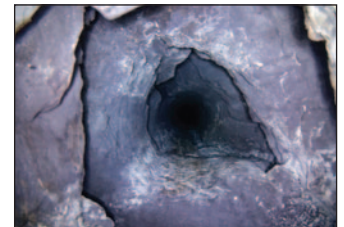
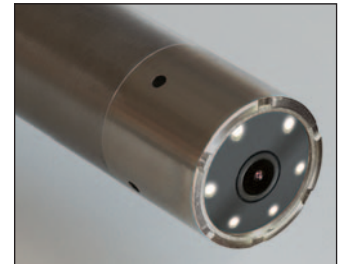
OS: Windows 11 (64-bit) | Processor: Intel Core i7 or AMD Ryzen 7 (or equivalent)

Memory (RAM): 16 GB min | Storage: 512 GB PCIe M.2 SSD min | Graphics: Dedicated GPU

Part Numbers

I020263	RGeo-eye® Digital Camera (1,000m)
I020408	RGeo-eye® Digital Camera (2,000m)
I020409	RGeo-eye® Digital Camera (3,000m)
I020412	Custom Peli Case for RGeo-eye® Camera
I020264	RGeo-eye® Centraliser 76-110mm
I020265	RGeo-eye® Centraliser 90-1800mm
I020266	RGeo-eye® Centraliser 180-260mm
I020267	RGeo-eye® Sinker Bar

* The depth rating on coaxial cable is dependent on the coaxial cable properties.



The system incorporates RGeo-fast® delivering 1 Megabit/sec communication speed enabling the acquisition of high resolution video feed from downhole (to 3000m) in air or water filled open or cased boreholes while allowing real-time viewing for the surface operative.

The camera has auto focus, a frontal LED internal array with adjustable lighting intensity, and a viewing resolution of SVGA (800 x 600) at 25frames/sec.

The acquisition software supplied with RGeo-eye® allows screen shots to be captured and text editing whilst viewing/recording. Where more detail is required, full colour 'snapshot' images can also be captured at 1600 x 1200

First release of the RGeo-eye® camera is rated at 75°C (high temp versions coming soon).

► **CLICK HERE
FOR ENQUIRY FORM**