

ROVVER® 600

The fast, portable solution for industrial pipe inspections.



Crawler with pan-and-tilt camera and auxiliary lights on top

APPLICATIONS

- Air ducts and electrical conduits
- Lube oil and steam lines
- Steam headers
- Small pressure vessels and tanks
- Loose-parts retrieval



Reactor Head CRDM
– Weld Inspection



Service Water Line
– Baseline Inspection



Butterfly Valve
– Monitor Operation

The ROVVER 600 robotic crawler is the most portable and versatile inspection crawler on the market today. It is ideally suited for many applications due to its modular design and its ability to inspect inside pipes with diameters ranging from 150 mm (6 in.) to 900 mm (36 in.). It is the smallest crawler in its class, thereby giving it the ability to pass through restricted pipe, large offsets, and protruding pipe taps. The ROVVER robotic crawler's remote pendant gives you the ability to control focus and lighting, and to steer the crawler when obstacles such as debris or offsets are present.

Distinctive features and benefits include:

- Light and portable system for easy deployment
- Small profile and modularity allows for long run and pan-and-tilt camera in 150 mm (6 in.) to 900 mm (36 in.) diameter pipe
- Quick disconnect allows for easy use, low maintenance and time savings
- Hand-held pendant for user-friendly control of lighting, focus, speed and steering
- Rack-mount control unit can integrate into existing vehicle
- Waterproof for humid, damp and underwater environments
- Lightweight crawler for easy insertion and removal

The ROVVER 200, ROVVER 400 and ROVVER 900 crawlers are also available for applications requiring various diameters. See our website for more information.



9500-9000 Retrieval Tool Kit

Durable kit that houses a variety of retrieval tools and accessories

Specifications – ROVER 600

Crawler

Length: 282 mm (11.1 in.) with axial camera
374 mm (14.7 in.) with pan-and-tilt camera

Width: 118 mm (4.6 in.)

Height: 90 mm (3.5 in.)

Weight: 8 kg (17.6 lbs.)

Material: Nickel plated brass, stainless steel, aluminum

Drive: 2 x 20 W DC motor, 6-wheel drive, steerable, speed controls

Sonde: 33 kHz or 512 Hz (optional)

Depth Rating: 1 bar (14.7 psi.)—Equivalent to water depth of 10 m (33 ft.)

Inclination Sensor: +/- 10 % (optional)

Wheel Sets: Ø 86 mm (3.4 in.) wheels (6) for 150 mm or 6 in. pipe
Ø 110 mm (4.3 in.) wheels (6) for 200 mm or 8 in. pipe
Ø 135 mm (5.3 in.) wheels (4) for 225 mm or 10 in. pipe

Rating: IP68

Camera

Type: 1/2 in. color CCD camera

Resolution: 380,000 pixels, 360 HTV lines of resolution

Lens: 4 mm, f1.2, remote focus

Lens FOV: 68° x 90° x 100° (V x H x D)

Focus: 6 mm (0.25 in.) to infinity (remotely adjustable)

Dimensions: Axial - ø 48 mm (1.9 in.) x 78 mm (3.1 in.)
Pan (175°)-and-tilt (135°) – ø 88 mm (3.5 in.) x 192 mm (7.6 in.)

Rating: IP68

Control Unit

Size: 420 mm (16.5 in.) D x 343 mm (13.5 in.) W x 292 mm (11.5 in.) H

Pendant Control: Left/right steering, crawler speed, light intensity, modular slide-in cards for upgrades/accessories

Power: 110/230 VAC, 50/60 Hz CE

Output: NTSC composite (EIA-170A) video (PAL available)
19 inch rack mounted controller is available

Weight: 18.2 kg (40.5 lbs.)

Lights

Camera: 10 W, 16 x 0.6 W, halogen

Tractor: 40 W, 2 x 20 W, halogen

Auxiliary: 40 W, 2 x 20 W, dichroic reflector

Maximum: 90 W

Cable Drum

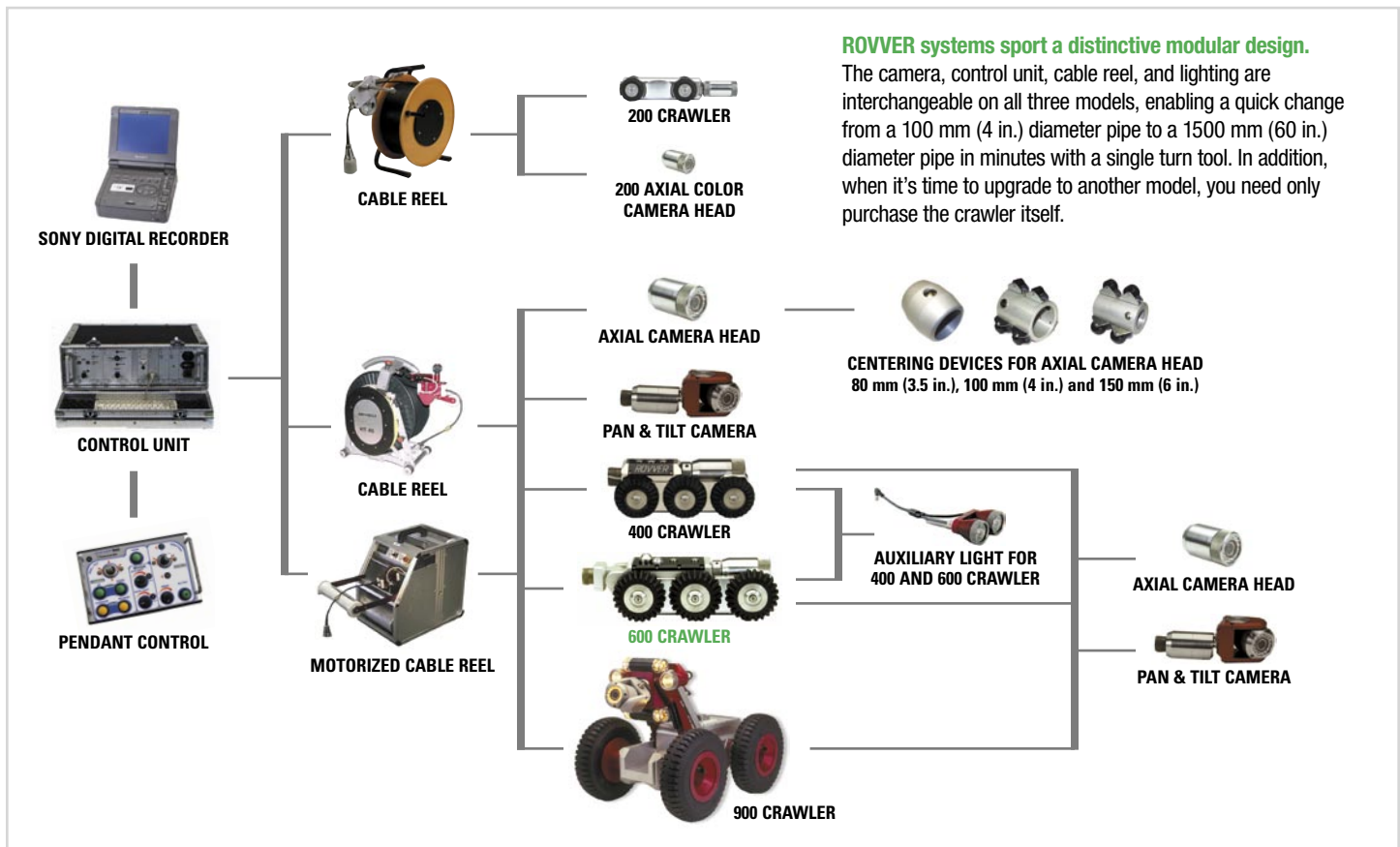
Cable: 7 mm (0.28 in.) diameter
Multi-conductor with 227 kg (5000 lbs) Kevlar® strength member and polyethylene outer jacket

Length: Available up to 200 m (660 ft.)

Drum: Slip-ring cable drum with various cable length
Optional - automatic motorized cable reel with level wind feature

Weight: Approximately 23 kg (50 lbs.) - model, cable length dependant

Rating: IP64



ISO 9001
REGISTERED COMPANY

ABOUT EVEREST VIT

Everest VIT is the industry leader in the development of Remote Visual Inspection (RVI) equipment, sales, on-site service, rentals and training. RVI provides viewing capabilities from a remote location, enabling companies around the world to inspect machinery, facilities and infrastructure in the safest, quickest and most cost-effective manner possible. Everest VIT's innovative products have been used to streamline the inspection process in all industries where safety, security and accuracy are of paramount concern, such as aviation, power generation, processing, manufacturing, law enforcement and infrastructure.

www.everestvit.com

To schedule a product demonstration or to find out more:

Equipment Sales: 888-332-EVIT (3848)

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