

ROVION lateral inspection system

<https://ehle-hd.com/en/product/rovion-lateral-inspection-system/>



The **ROVION® lateral inspection system** from IPEK offers an efficient method of inspecting connecting pipes directly from the main sewer. TV inspections of main sewers with diameters from DN150 to DN2000 and lengths of up to 300 m can be carried out in just one operation. At the same time, the system also enables the inspection of connecting pipes with diameters from DN50 to DN300 and lengths of up to 45 m that are connected to the main sewer.

The satellite crawler transports the camera head to the connecting pipe. The extension pipe is used to guide the push camera precisely to the connection and insert it with the push cable. The lateral pin of the PTP50II swivel head camera also enables the inspection of all other branches in a sewer system.

With the ROVION system, all options are open. The modular design not only enables flexible, but also future-proof expansion of the system. Whether inspections of pipes and sewers, house connections from the main sewer or well inspections - the ROVION inspection system can be adapted to any requirements.

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Features

Vehicle installation control unit (DCX5000)

- multifunctional control panel with ergonomic design for permanent installation in the vehicle
- two 3-axis joysticks with push function for controlling the vehicle and all camera functions including zoom
- predefined function buttons for the most important commands, plus 8 freely assignable buttons
- touch display as system monitor for monitoring and controlling the system
- complete QWERTY keyboard for data entry
- CCU1 control units with all necessary interfaces, each designed as a 19-inch plug-in unit

Automatic cable reel (RAXSAT300):

- Automatic cable drum can be integrated stationary in the inspection vehicle
- max. 300 m high-strength Kevlar-reinforced camera cable
- 45 m push cable for inspections in connection lines
- pluggable connection between cable and push cable
- sturdy aluminum frame, splash-proof to IP44, with automatic cross-guide spindle and extendable cable guide
- integrated electronic meter counter for precise measurement of cable length
- Radio remote control included
- Power supply: 115 V to 230 V
- Dimensions (WxHxD): 368 x 760 x 925 mm
- weight: approx. 110 kg (incl. cable and push cable)

Lateral crawler (RX140SAT)

- lateral crawler with QCD equipment for tool-free changing of wheels and accessories
- for use in main sewers from 150 - 2000 mm
- for inspections of connecting pipes from DN 50
- 8x8 all-wheel drive (steerable)
- wear-free drive of the push cable by means of 2 drive belts in the feed unit (no wear on the cable sheath)
- compact dimensions and robust design, 1 bar pressure-tight
- permanent monitoring of speed, internal pressure, inclination and temperature
- powerful steerable 8x8 all-wheel drive (steerable)
- additional meter counter on the carriage for exact determination of the meters pushed
- movable center section for easy insertion in small manhole openings
- observation camera with ultra-bright additional LED lighting for precise positioning of the guide pipe at the branch / connection line
- Integrated rear view camera with additional LED light
- flexible cable connection prevents the camera cable from kinking when lowering or retrieving the trolley in the manhole
- multi-frequency probe can be switched on and off (512 Hz / 640 Hz / 33 kHz)

Attributes

Image	SKU	Productname	Attributes	LxWxH & Weight
	IP-576-0930-00-Set	Rovion lateral inspection RAXSAT300	type: car installation work range: 150 - 2000 mm engine: automatic cable reel length: 300 m / 45 m locating: 33 kHz 512 Hz 640 Hz	368 x 760 x 925 mm 140.0
	IP-576-0900-70- Set-EX	Rovion lateral inspection RAXSAT300 (ATEX)	type: car installation work range: 150 - 2000 mm engine: automatic cable reel length: 300 m / 45 m locating: 33 kHz 512 Hz 640 Hz use: ATEX Zone 1 ATEX-Zone 2	368 x 760 x 925 mm 140.0