OMICRON

Efficient inspection

VML TECHNOLOGY
Full HD
1920 x 1080

rausch

Compact
High resolution
Mobile

VML TECHNOLOGY
Full HD 1920 x 1080

Application range from DN 50

The Omicron combines two worlds in one TV inspection system and is the first system in the world in full HD for pipe and sewer inspections in push and crawler operation.
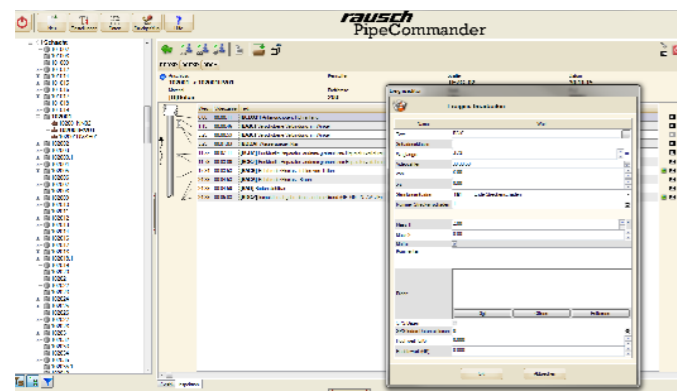
→ Rausch-Tab

- → 12.1" touch screen display
- → Integrated PC
- → Multifunctional joysticks
- → Easy to remove for office work
- → Controllable from all PCs, also from other manufacturers

- → Wi-Fi capable, LAN capable, USB, HDMI
- → Thanks to a Wi-Fi or Ethernet connection, the Omicron is compatible and controllable with any third-party system via a PC
- → Determining the diameter

Acquisition software

Basic

- → Standard software PipeCommander Basic for image, video and PDF creation

Expansion

- → Expandable with fully integrated inspection
- → Integrated abbreviation catalog
- → In PipeCommander, all relevant master data and inspection results are recorded and can be easily edited later
- → All projects are managed in a clear menu structure and can be exported at any time
- → Inspection histories and results can be retrieved in the form of videos, photos, logs and statistics

→ Omicron

- → Omicron is the mobile system with compact transport dimensions
- → The removable basket with quick release fastener as well as the simple quick-change system of the wheels support purposeful, effective working
- → Thanks to the variable folding option and rotating capability of the holder, the Rausch-Tab can be optimally adapted to the operating conditions
- → The foldable handle and the skids for stairs make the Omicron easy to handle

- → In addition to a rechargeable battery operation with exchangeable battery, the system also has a mains adapter
- → Optionally, Omicron is available in an explosion-proof version according to Directive 2014/34/EU

+ Ex-protection option ⟨Ex⟩

→ Omicron push mode

- → SAT 42 camera
- → KS 40 camera
- → KS 60 DB camera
- → KS 60 HD camera
- → Up to 80 m push cable (various stiffnesses)
- → Path length measurement in mm resolution
- → Expandable with LATRAS for pipeline route measurement
- → Determining the diameter

→ Omicron crawler operation

- → Crawler C 90 with KS 40 or KS 60 DB camera
- → Crawler C 100 with KS 40 camera
- → Crawler C 100 with KS 60 DB or KS 60 DB camera
- → Up to 200 m camera cable
- → Manual guidance
- → Crank handle
- → Path length measurement in mm resolution
- → Cross lead spindle optional

→ Possible combinations of cameras and crawlers

KS 60 HD camera
From DN 100

KS 60 DB camera
From DN 100

KS 40 camera
From DN 75

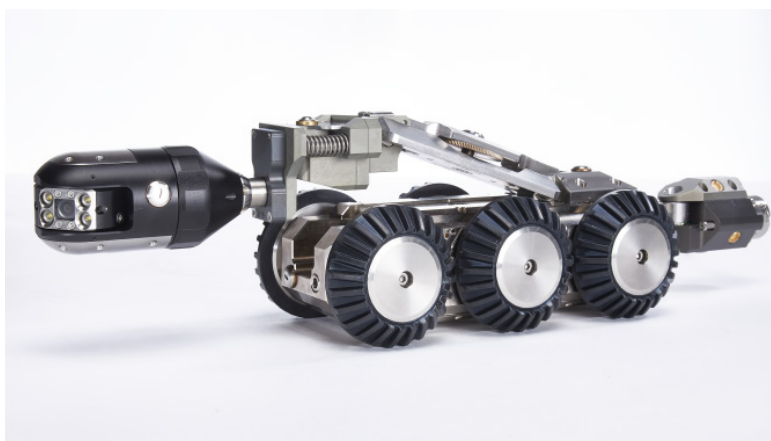**SAT 42 camera**
From DN 50

→ LATRAS - LAteral TRAcking System

The Omicron can be supplemented
with the LATRAS sensor head.
The documentation is performed using
the Rausch-Tab.

LATRAS sensor head ↓

→ Crawler C 90

Application range
From DN 100

→ For Omicron and Rausch compact systems
→ Wear-free drive motors
→ Steerable
→ 3 drive axles
→ 30° bends from DN 150
→ Low center of gravity
→ Compact design
→ Rigid attachment for small diameters
→ Manual height adjustment