



SmartCommander

Data acquisition software for professional documentation of sewer pipe and manhole inspections inclusive recording of digital videos in MPEG 2/4 formats and picture digitising in JPEG-format.

3D-Mapping of pipes and branched laterals with manholes. Export interfaces in most frequent formats, configurable report generator to produce inspection reports in pdf format.

Viewer version:

Handover of the projects in a viewer version inclusive all inspection data, photos and videos. The viewer also contains an export function and a report generator.

Professional data administration:

Project data (i.e. from PipeCommander and SmartCommander) can be read, combined and processed from a central administration (office version) via the data synchronization module.

Jetting Nozzle



Extension for the delta system to allow cleaning of laterals, application from 100 mm, to be connected to a high pressure unit.



Inspection System for Laterals



Light weight • compact • mobile



The control unit delta with digital recording is the basic system for the inspection of laterals starting from 50 mm.

The delta pro as advanced version with an integrated PC for documentation via the data acquisition software SmartCommander.



- Application of pluggable pan & tilt as well as axial view cameras from 50 mm upwards
- Mobile, light weight (22 kg incl. 80 m push cable)
- Operation of track ball and foil keyboard even while wearing gloves
- Cable length 30 - 80 m
- USB port for the direct data transfer
- Operation via main cable of all digital Rausch CCTV-Systems
- Optional EX-approval according to European standard RL 94/9/EG in combination with camera KS 60 CL-Ex
- Optional jetting nozzle to operate the camera in laterals with an external jetter

Operation controls / Monitor:

- Main switch
- Multi functional 3-axis finger joystick for camera control (pan, tilt, focus) and lighting regulation, foil keyboard
- Protection class IP 65 (high tensile plastic housing)
- Industrial track ball with optical ball sensing (only for delta_pro version)

- Dimensions: 707 x 595 x 381 mm (Monitor in transport position)
- Monitor: 8.4" (21 cm) TFT display, scratch proof, resolution: 800 x 600 (SVGA)
- Dual display of PC and video, sunlight capable, sun visor

PC / Data capture (only with delta_pro)

- Embedded PC, Intel Processor (1.6 GHz), operating system XP embedded
- Picture - and video digitizing JPG / MPEG 2/4
- 2 GB DDR memory as well as 2GB onboard SSD and 80 GB Sata SSD. 3x USB 2.0 plus Ethernet interface

- Resolution: 720 x 576 (PAL), 720 x 480 (NTSC)
- Data acquisition software SmartCommander
- Highly accurate distance counter with 1 mm resolution

Additional Features:

- wide wheel base for solid positioning, extending transportation handles and carry harness
- Storage compartment
- Mechanical brake for reel drum

- Connection for external monitor
- Complete protection of all controls while monitor being in transport position
- Basic system delta with digital video recorder

Combination with KS 60 CL and SAT 42 H:



KS 60 CL

- Pluggable pan and tilt camera (ø 60 mm)
- Application 100 mm with 90° bends
- Integrated location transmitter
- Pressure monitoring
- Infinite tilt, pan 300°
- Permanent upright picture
- Lighting: 6 power-LEDs
- up to 80 m push cable
- Optional: special PIN for inspection of branched laterals



SAT 42 H

- Pluggable axial view camera
- Permanent upright picture
 - Integrated location transmitter
 - Application from 50 - 200 mm
 - Diameter 42 mm