RCA 4.0 HD

High-resolution acquisition



VML TECHNOLOGY
Full HD
1920 x 1080

RAUSCHTV.COM

rausch

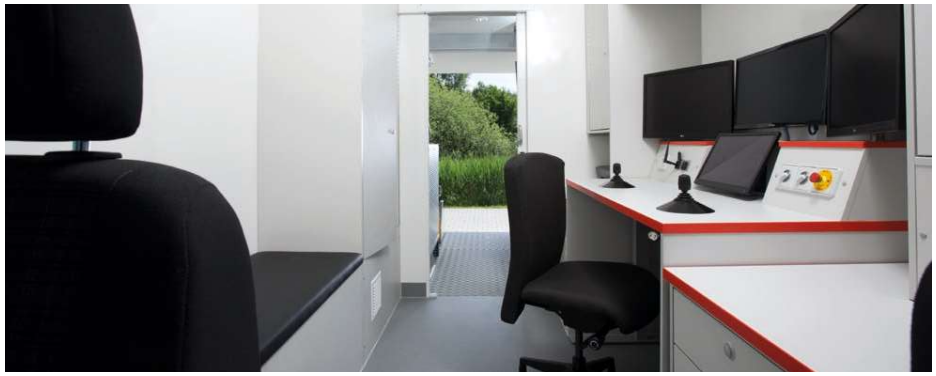
With High-resolution
Precise
Efficient

TV inspections from DN 100 - 2500
Satellite system from DN 150 – 1800

The RCA 4.0 provides the world's first full HD transmission with a resolution of 1920 x 1080 pixels using copper cable without fibre optics. It is based on the VML technology specially developed and patented for this purpose.

The result:
→ Razor sharp image quality
→ Exact recording and documentation of the inspection
→ Simplified service
→ Minimized maintenance costs
→ Technology of the future
Patent number DE200810064684

Studio



Technical details

→ RCA 4.0 technology in the studio
→ Digital video technology in full HD quality 1920 x 1080 pixels or MPEG-4 with 720 x 576 pixels
→ Ergonomic operating concept with electrical lifting table for fatigue-free working
→ System control via industrial PC with a 15" touch screen and two multifunctional joysticks for camera and crawler operation
→ User-configurable user interface and joystick operation
→ Digital overlay technology for measured value and data display in different national versions
→ Display technology, adjustable font sizes and colours
→ 22" full HD video monitor
→ Serial bus system for the control of the cable drums, crawlers and cameras and the full HD satellite system
→ Ethernet connection to the video and data exchange with documentation PC and software (PipeCommander, WinCan or other acquisition programmes)
→ Alternatively recording in MPEG-4 possible, if full-HD data sets cannot be processed
→ Power supply with lithium-ion batteries

Rear area



Technical details

→ Rear area expansion with passage to the studio
→ Water supply
→ ELKA 600 cable drum HD with observation monitor, telescopic swivel arm and chain winch
→ Cable length up to 600 m
→ Quadtro SAT HD cable drum
→ Cable length 160 m
→ 40 m push cable
→ Satellite system for house connection examination in full HD
→ Kampac hose reel for socket pressure testing
→ Premus 600 for the reach test

VML TECHNOLOGY FullHD 1920 x 1080



Options

→ Deformation measuring system
→ LATRAS line route measurement
→ Up to DN 2500 in connection with crawler extension (Lafette) or camera raft
→ Lightweight construction for driver's licence Class B up to 3500 kg total weight
→ Expansion according to individual customer requirements possible
→ Leak test of individual couplings, pipes, shafts and separators

Crawlers and possible combinations



Crawler C 100 with camera KS 60 HD
DN 100 – 600



Crawler C 135 with camera KS 135 HD
DN 135 – 2500



Modular Satellite-System PKM 200 HD
Crawler C 135 with satellite system and camera KS 60 HD, DN 200 – 1800 from DN 150 with module PM 135



LATRAS sensor head with KS 60 HD and dual flushing system
Locating system for automatic measurement and graphic display of the pipe routing of building connection pipes.

Software

With 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 results can be retrieved in the form of videos, photos, logs and statistics.
PicoMaps automatically retrieves all available channel network data with geo coordinates from the database. Based on this data, PicoMaps visualizes the connection cable progressions in best 3-D quality or automated with LATRAS.

PipeCommander | Service range

- → Inspection of reaches, connections and shafts
- → Powerful, configurable customer and project management
- → Macro control for camera and crawler
- → Hardware-supported image digitization
- → Integrated, constantly updated standards and code catalogues
- → Data exchange through IsyBau 96/2001 and IsyBau 2006 interfaces

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