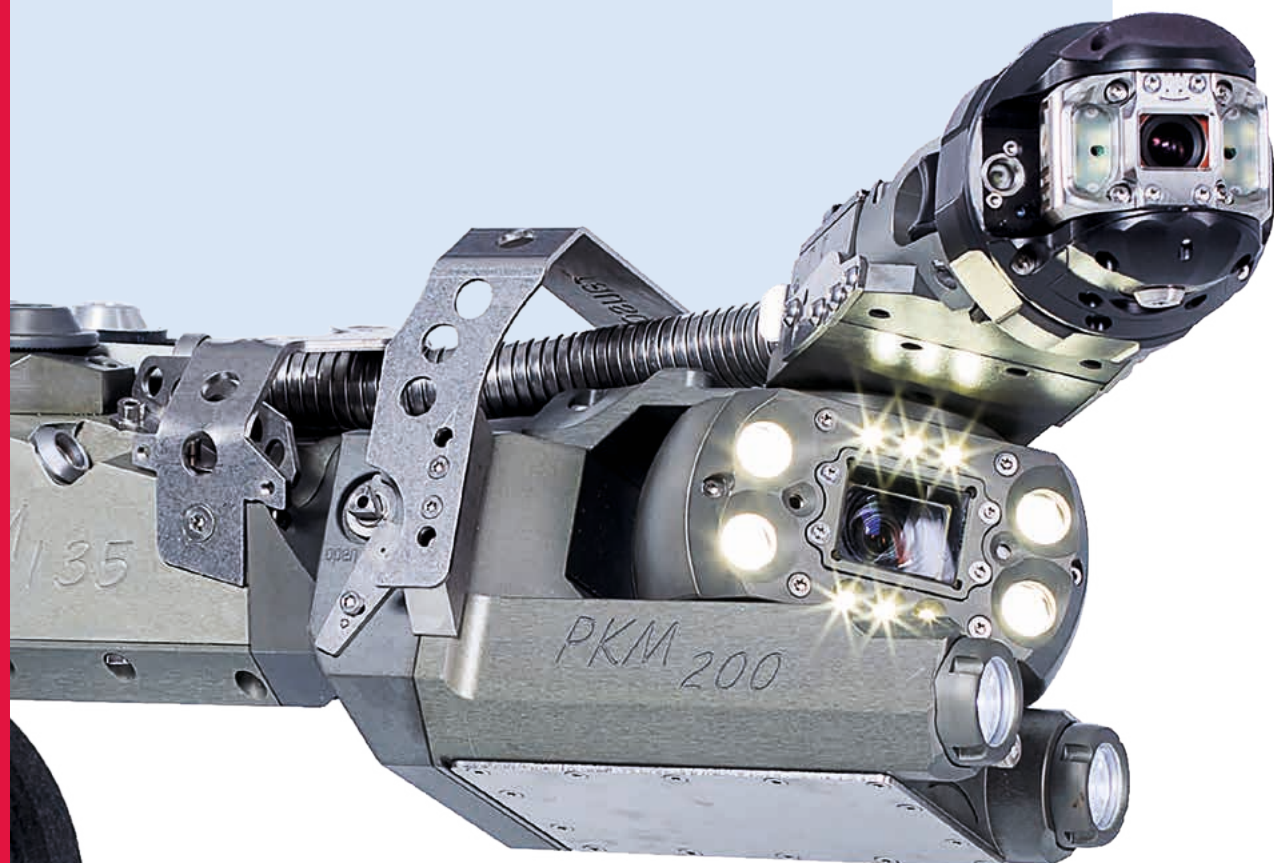


M series

Modular inspection



Modular Practical Flexible

Based on only one steerable camera crawler, the L 135, the satellite system of the M-series provides the right view, starting from DN 135.

With the M-Series, CCTV inspections of main channels as well as building connection lines can be conducted from the main sewer in one single operation.



Quick Connect

The camera system can be changed in the shortest possible time using a wireless quick-release technology.

→ Possible combinations



Steerable crawler L 135

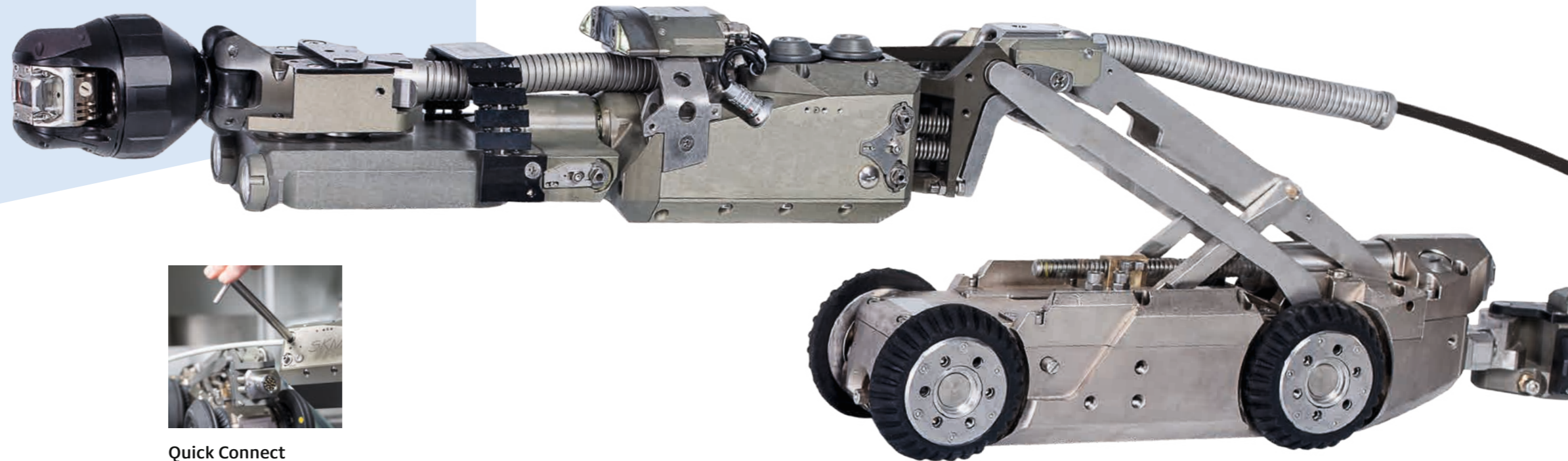
- Electric lifting gear from DN 150, optional with rear view camera
- Inclination sensor
- Automatic reversing mechanism continuously adjustable
- Transverse inclination measurement and automatic correction function
- Permanent pressure monitor
- Camera quick connect with cardan joint
- Optional with temperature measurement

Camera KS 135

- Resolution over 530 TV lines
- Upright picture
- Endless tilt function via slip ring
- 10 x optical, 12 x digital zoom
- Four Power-LEDs with reflectors
- Six Power LEDs for close field illumination
- Two laser diodes for precise measurement
- Wireless additional lighting
- Permanent pressure monitor
- Nitrogen filling appliance

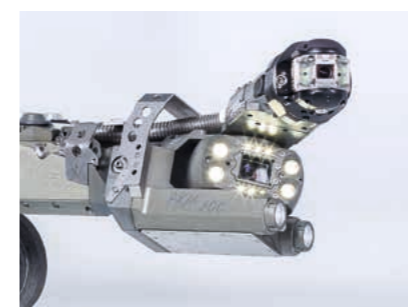
Camera KS 60 DB

- Resolution over 530 TV lines
- Upright picture
- Manual and automatic focus
- Wide-angle lens
- Two laser diodes for precise measurement
- Integrated location sensor
- Permanent pressure monitor
- Nitrogen filling appliance



Satellite system with PM 135 DN 135–1200 with electrical lifting gear

The L 135 camera crawler with electrical lifting gear forms the basis. In addition to the KS 60 DB pan and tilt camera for precise sewer inspection of building connections, this system also features the ZKM 135 observation and positioning camera. Combined with the cable feed module SKM 135 and the swivelling positioning module PM 135, the satellite system is optimally equipped.



Satellite system with PKM 200 DN 200–1800 with electrical lifting gear

The modular top version PKM 200 is equipped with two high-performance cameras. In addition to the KS 60 DB satellite camera for the inspection of building connections, the PKM 200 also performs two important jobs: it ensures the exact positioning of the satellite camera and inspects main sewers from DN 200.

→ Options



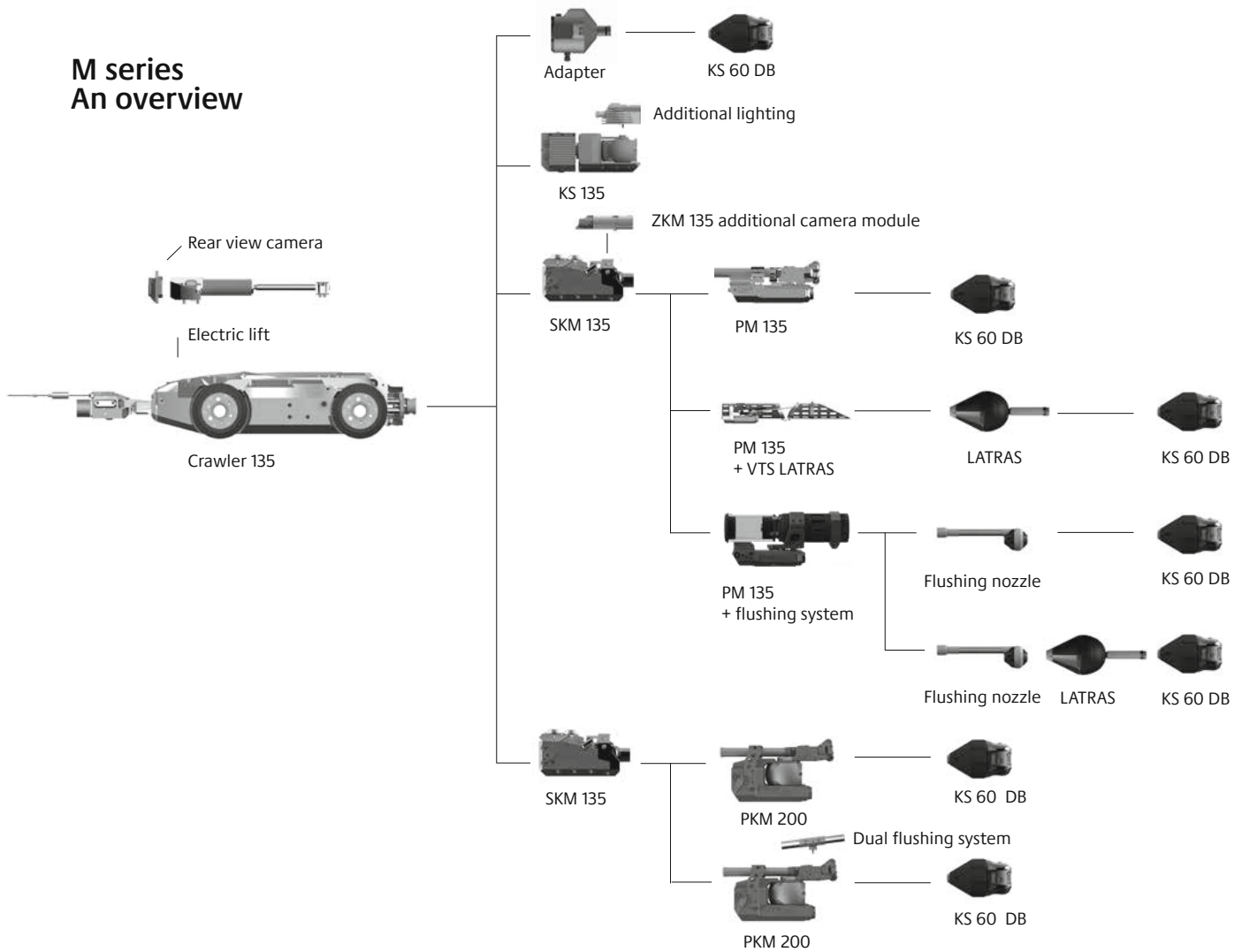
HD

Entire M-series also available in HD: KS 60 HD, KS 135 HD, PKM 200 HD.

Ex-protection

As an option, all modules of the M series are available in Ex-protection version according to directive 2014/34/EU.

M series An overview



➔ Additional components



Flushing system

It cleans building connection pipes from the main sewer with a special nozzle designed by Rausch which leads away the mud from the building connection to the main sewer.



Dual flushing system

The dual flushing system of the M-series for cleaning building connection pipes before the inspection.



LATRAS

Locating system for automatic measurement and graphic display of the pipe routing of building connection pipes.