

SUPERVISION™

***cctv Re-Envisioned
From the Ground Up.***



Quality is All You See.

SUPERVISION™

And we did it with a single guiding principle: Unleashing your productivity. Learn how the most capable, intuitive crawler revolutionizes the inspection of underground infrastructure.



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AGILE

SuperVision's size, maneuverability and power let you travel farther, overcoming debris and pipe damage to capture vivid inspection footage from all directions.

- BackEye camera and freewheel clutch facilitate reverse travel and cable management.
 - Elevator on SVR250 centers view in pipes up to 1000mm (30") dia.
 - Dual lasers help measure defects.
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- Steerable 6-wheel drive maneuvers past offsets, inverts and debris, travelling up to 500m (1640').
 - 6.9mm (0.024") dia. Kevlar-reinforced cable weighs just 0.045 kg/m (0.075 oz/ft), extending crawl range by reducing cable drag.
 - Sealed aluminum/stainless design withstands submersion to 100m, or to 500m (1640') using deep well components.

SuperVision's auto-focus color video camera head illuminates targets with a shadowless, full-spectrum LED light ring. The camera head pans infinitely and tilts $\pm 135^\circ$, capturing pipe views from a variety of vantage points. Available 40:1 zoom (10:1 optical plus 4:1 digital) further extends inspection range.



Synchronized operation and robust digital control networking ensure optimum performance and responsiveness.

PRODUCTIVE



SuperVision offers a fully automatic reel for van fitment (above), and power-assist manual reels for portable applications (below).

- 512 Hz or 83 kHz SONDE facilitates location.
- Inclinometer measures pitch and roll, sounding alarm to warn against flipping.
- Slip clutches protect travel, camera and elevator drives.



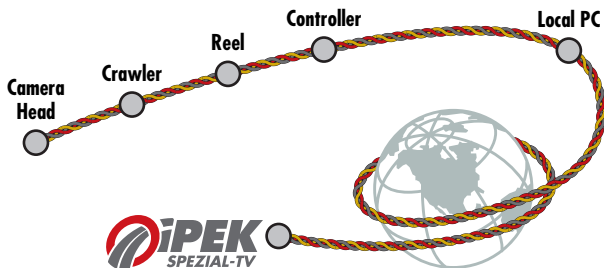
With the PipeBus networked digital control platform, SuperVision uses lighter cable and supports simultaneous control of multiple crawler and reel functions.

Microprocessors in the controller, reel, crawler and camera head communicate over a 6-conductor digital network, offering extensive control, datalogging and diagnostic capabilities. Connect the controller to a PC and iPEK technicians can troubleshoot, calibrate and upload new firmware to your crawler remotely.

The open-architecture PipeBus protocol makes SuperVision highly scalable and future compatible.

	feed	wind	tension	counter	capacity
automatic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	up to 500m (1640') or 350m (1148')
manual		<input type="radio"/>		<input type="radio"/>	up to 300m (984')

INTELLIGENT



iPEK
SPEZIAL-TV

INTUITIVE

Focus on your inspection footage, not on controls. SuperVision's interface emphasizes easy access to common control functions, with soft-menu access to more specialized settings.

- Ergonomically positioned proportional-control joysticks, thumbwheel dials and illuminated push-buttons grant fingertip access to all crawler and reel functions.
- Digital readouts allow soft-menu navigation to virtually any system function, plus a wealth of inspection, performance and diagnostic data.



A self-contained portable controller (above) and desktop console for van fitment (below) each incorporate carbon-fiber structural elements for maximum portability.



SYSTEM CONFIGURATIONS

SuperVision components connect in multiple combinations for maximum versatility.

