



FORESIGHT. BENEATH THE SURFACE.

TECHNOLOGY FOR PIPE AND SEWER INSPECTION
PRECISE. CONNECTED. FUTURE-PROOF.

NSP3CT^{PRO}



FOUR VARIANTS. ZERO COMPROMISES.

PORTABLE ALL-IN-ONE INSPECTION SYSTEM
WITH TOUCHSCREEN AND THE INDUSTRY'S SMALLEST
FULL-HD CAMERA.



SMALL. SHARP. ALWAYS READY.

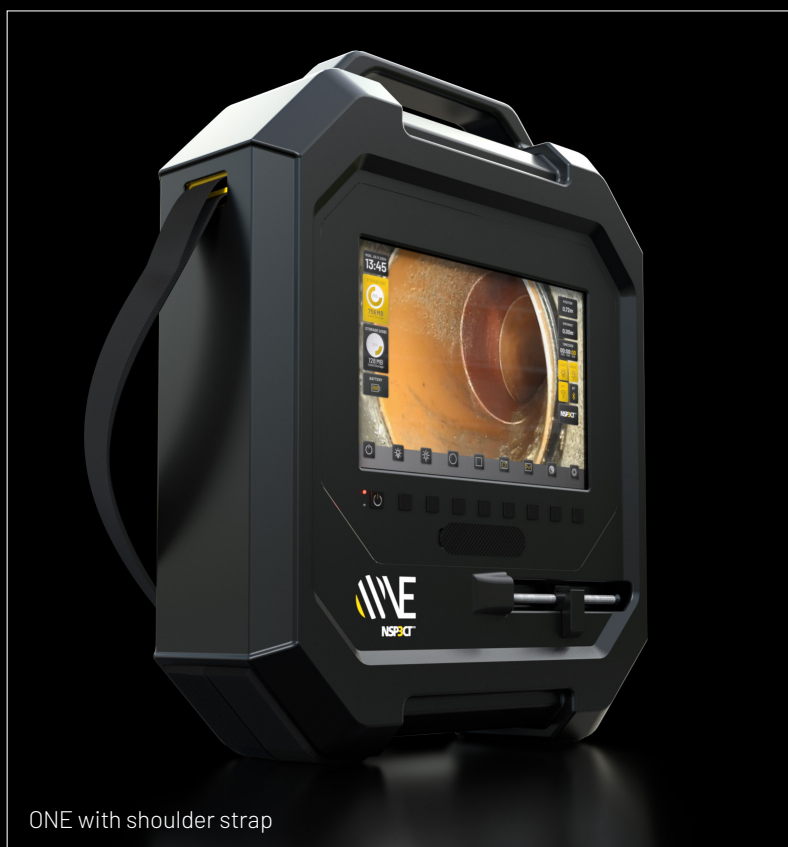
The ONE is the most compact all-in-one inspection system in the industry – and the smallest with Full-HD image quality. Weighing under 7 kg, with a practical, removable shoulder strap, it is ready to deploy wherever pipes from DN15 need inspection – operational within seconds.

SEE WHAT MATTERS.

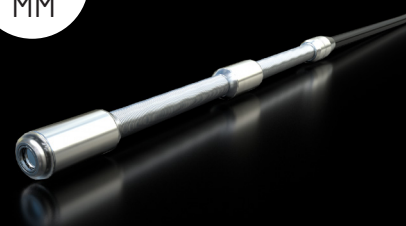
With 4 variants – two camera diameters, two cable types – and quickly interchangeable heads, the ONE covers virtually every application in narrow pipes. The Full-HD image delivers the clarity needed for standard-compliant documentation and legally secure reporting.

READY WHEN YOU ARE.

No external monitor, no additional battery – the ONE brings everything it needs. 4 hrs of battery life, 230V or powerbank operation and automatic OTA updates keep the system current at all times – so the focus always stays on the job, not on the equipment.



ONE with shoulder strap



C10 camera with locating sonde



C18 camera with locating sonde



THE EVOLUTION OF THE PUSH CAMERA.



OUR MODULAR PUSH CAMERA FOR PROFESSIONAL
DEPLOYMENTS FROM DN50 TO DN250.



FAR-REACHING. INGENIOUS.

The TWO was developed for inspection teams that accept no compromise.

As a modular push camera system for pipes from DN50, it is available in 4 cable lengths from 40 to 120 m.

Always the right system for the job at hand. The fibreglass push rod is extremely lightweight, flexible and durable enough for demanding daily deployment.

FULL CONTROL. FULL REACH.

The TWO delivers Full-HD images with a high-precision meter counter for legally secure damage localisation.

The integrated locating sonde in the camera head eliminates the need for extra equipment.

With over 4 hrs of battery life, lying or upright operation and four available cable lengths, the system stays flexible – the right setup for every job.

CONNECTED. FUTURE-PROOF.

The TWO is lighter than comparable systems and can be operated lying or upright. Control via HMX tablet or Android app and over 4 hrs of battery life make it a reliable partner for continuous deployment. The fibreglass push rod is extremely lightweight, flexible and durable – ideal for teams facing high demands every day.

Those who need flexibility will find exactly that in the TWO.



Compact, integrated E-box



Full HD axial camera



OC

Suitable locating
technology available
separately.



FOR EXTREMELY
CLEAR INSIGHTS.

PORTABLE MANHOLE POLE CAMERA WITH
QHD CAMERA AND UP TO 30× OPTICAL ZOOM.



PORTABLE. PRECISE. IMPRESSIVE.

The MHC is the ideal tool for quick preliminary visual inspection of manholes and pipelines. With a carbon fibre telescopic pole extendable to 12 m and 30× optical zoom, it gives the inspection team an over-view within seconds – without setup effort, without a crawler deployment, in any weather. This allows teams to decide on site whether a deployment is necessary or whether the line is visibly clear at first glance saving time, resources and unnecessary deployments.

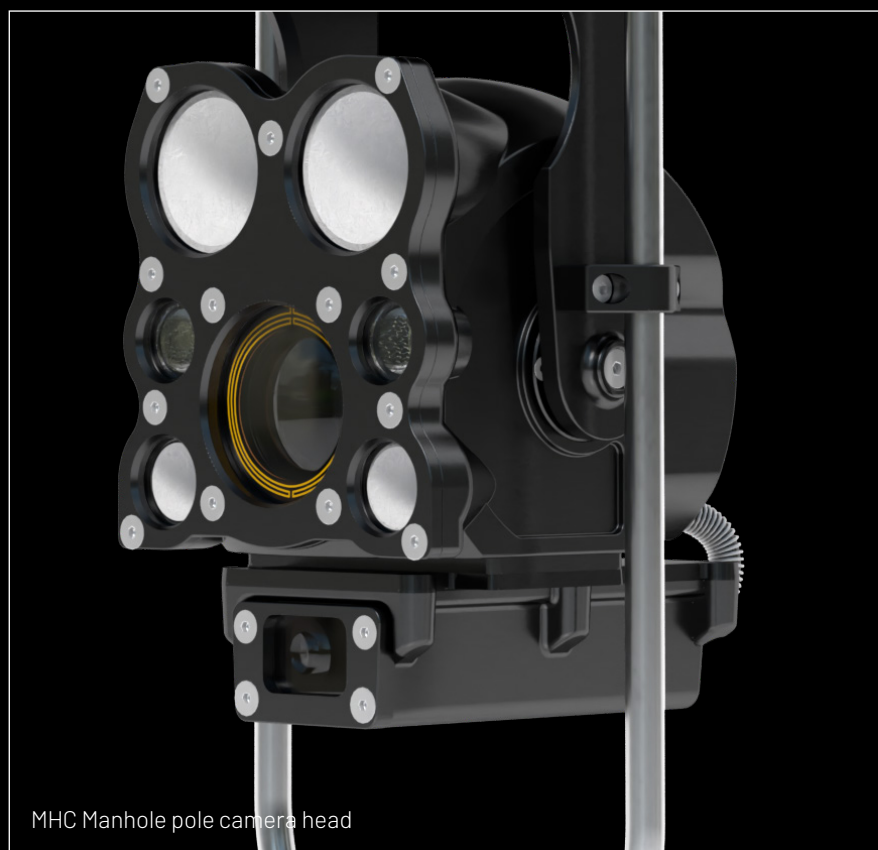
SEE BEFORE YOU DEPLOY.

Before the crawler enters the pipe, the MHC delivers the critical information: is the line clear? Are there obvious obstructions or deposits? The QHD camera shows this in razor-sharp quality – and helps to specifically avoid unnecessary crawler deployments. Thanks to integrated laser measuring, visible anomalies can also be measured to within 1.5 to 70 m – directly on site, without additional equipment and without entering the manhole.

SAFE. FAST. FLEXIBLE.

The MHC is controllable via Android and iOS, transmits the image reliably via WiFi with an integrated repeater, and runs for a total of 7.5 hrs across 3 batteries.

Quick-release fasteners enable setup within seconds. Focused light ensures optimal illumination over greater distances. All of it stored compactly in a PVC case and hard case – ready for the next deployment, whenever it comes.



MHC Manhole pole camera head



MHC exchangeable battery



MHC WIFI-Repeater



ALWAYS IN THE KNOW. EVEN BELOW THE SURFACE.

PROFESSIONAL UTILITY LOCATING SYSTEM FOR
ABOVE-GROUND LOCALISATION OF CAMERAS UNDERGROUND.



LOCATE. WITHOUT DETOURS.

The LOC makes cameras underground visible from the surface – without excavation, without effort. The receiver precisely locates the locating sonde integrated in the camera head and displays position and depth directly above ground. The locating sondes are built into all NSP3CT camera heads – compatible with CRC90, CRC130, ONE and TWO. No separate transmitters required.

DEEP. PRECISE. RELIABLE.

Automatic locating depth up to 6 m, manual up to 11 m at $\pm 5\%$ accuracy. The integrated frequency analyser scans automatically and recommends the best frequency – for interference-free locating even in challenging environments. Five locating modes, 15 hrs battery life, IP65 and 22 languages make the LOC a reliable partner in the field.

DECIDE ON SITE. DON'T DIG.

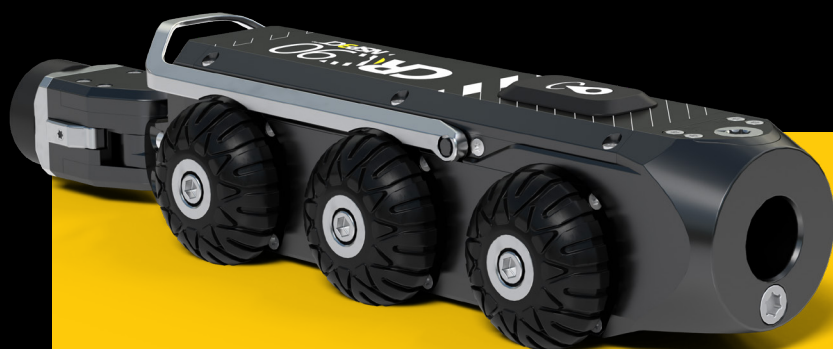
Knowing the exact position of a defect saves time, resources and unnecessary excavation. The LOC marks positions precisely at the surface – as a solid basis for construction site planning, tendering and documentation. No manual measuring, no re-measuring. For inspection teams that need results they can act on immediately and with full legal certainty.



Compatible with all NSP3CT systems



4.3" color transfective display



CRC90

SO SMALL. SO VERSATILE.

FULL HD CRAWLER FOR PIPES FROM DN100.



COMPACT. PRECISE. UNSTOPPABLE.

The CRC90 is the smallest Full-HD crawler in the C-SERIES. Designed for pipes from DN100 to DN250, it advances reliably where other systems fail. Powerful motors drive it dependably over the full cable length – even under the harshest conditions. IP68 protects it against water and dirt.

FULL PERFORMANCE. RIGHT ON POINT.

Integrated pressure monitoring actively protects against water ingress. Position and tilt sensors deliver precise real-time positional data. The integrated backeye camera prevents driving over the cable in reverse – saving time, protecting equipment and making every deployment safer.

LESS EFFORT. MORE INSIGHT.

As part of the modular C-SERIES, the CRC90 grows with requirements. Compatible with matching camera heads and cable drums, it secures the investment in the long term – and always delivers the image quality needed for standard-compliant documentation.



C50

FULL CLARITY IN MINIMAL SPACE.

OUR SMALLEST FULL HD CAMERA HEAD FROM DN100.



SMALL. SHARP. FEARLESS.

The C50 is the smallest camera head in the C-SERIES and fits in pipes where other heads give up. With a photosensitivity of 0.001 Lux, it delivers clear Full-HD images even under extreme lighting conditions – reliably, clearly, precisely and without compromise on image quality.

PRECISION DOWN TO THE LAST DETAIL.

Endless rotation, a swivel range of -135° to $+135^{\circ}$ and 4x digital zoom give the operator complete control over every angle of the pipe. The integrated two-point laser measuring determines damage dimensions and pipe diameters directly on site – without additional equipment.

FLEXIBLE. EASILY INTEGRATED.

The C50 is compatible with all C-SERIES crawlers. Its integrated pressure sensor continuously monitors the internal pressure of the camera head – if it drops, the system immediately warns of impending water ingress. IP68 provides additional reliable protection under the harshest conditions.

CRC130

SO VERSATILE.
SO COMPATIBLE.



VERSATILE WITH FULL HD FROM DN150 TO DN1000.



POWERFUL. VERSATILE. NO COMPROMISES.

The CRC130 covers DN150 to DN600 – with the optional riser and camera extension even up to DN1000.

Its fully integrated electronic lifter automatically adjusts steplessly to the pipe diameter without restricting the deployment range. One crawler for the vast majority of all jobs.

COMPATIBLE. FLEXIBLE.

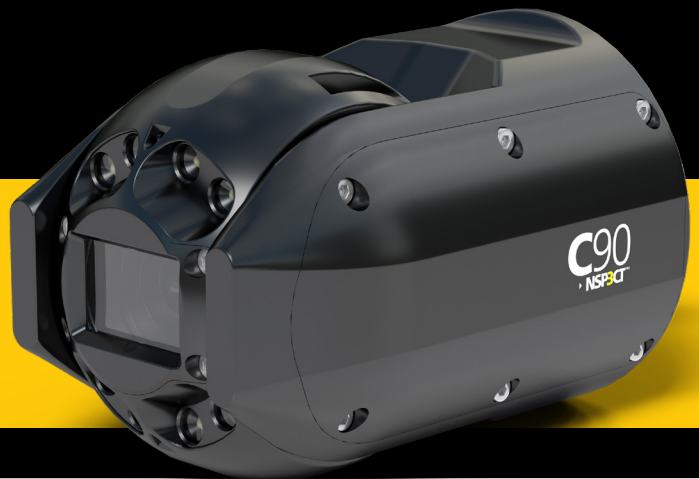
Compatible with C50, C90 and all C-SERIE cable drums, the CRC130 is the centrepiece of a fully configurable system. The robust stainless steel housing minimises downtime, and the closed pressure monitoring system actively protects against water ingress.

ROBUST. INGENIOUS.

The user-friendly twist/click connector to the cable drum makes connection routine. The integrated backeye camera with picture-in-picture prevents driving over the cable in reverse – protecting equipment and saving time.

C90

FORESIGHT.
IN EVERY SENSE.



OUR LARGE FULL HD CAMERA HEAD FROM DN150.



LARGE. SHARP. INCORRUPTIBLE.

The C90 detects damage before the crawler even reaches it. With 10× optical zoom and Full-HD – without quality loss – even fine cracks can be reliably identified from a distance. That means fewer runs, faster diagnoses and measurably lower deployment costs per job.

SEE WHAT OTHERS MISS.

8 separate Power LEDs provide sufficient illumination even in large pipe diameters up to DN1000. Auto and manual focus guarantee optimal image quality in any situation, while near-zero latency Full-HD transmission enables precise real-time inspection control.

SPOT EARLY. DECIDE WITH CONFIDENCE.

Detecting damage early saves costly misjudgements. The C90 delivers crystal-clear images as a solid basis for legally secure documentation and well-founded rehabilitation planning. For inspection teams that accept no compromise on image quality.



DRC100

SHORT DISTANCE. MAXIMUM PERFORMANCE.

COMPACT 100-METER CABLE DRUM OF THE C-SERIES
FOR SHORT INSPECTION RUNS – WITH MOTORISED RETRACTION.



100
METERS

COMPACT. MOTORIZED. READY TO GO.

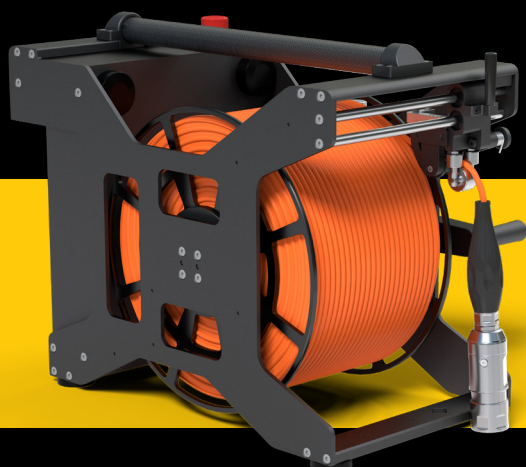
The DRC100 is the ideal cable drum for short inspection runs up to 100 m. Its motorised cable retraction protects the cable, reduces physical effort for the operator and saves time – more jobs per day, less fatigue during deployment.

100 METERS. ZERO EFFORT.

Compact dimensions and ergonomic handles make the DRC100 the ideal companion on site: it fits in any boot and is easily carried by one person. Battery operation is also perfectly straightforward.

SMALL PACKAGE. FULLY INTEGRATED.

The high-precision meter counter localises damage exactly without re-measuring. Control via HMX, full compatibility with CRC90 and CRC130 crawlers, and IP54 make it a reliable part of the C-SERIES.



DRC200

REDUCED TO EFFICIENCY.

200-METER CABLE DRUM OF THE C-SERIES.
HAND-OPERATED. TRANSPORTABLE BY ONE PERSON.



200
METERS

EFFICIENT. HANDY. INGENIOUS.

The DRC200 is the lean solution for medium inspection runs up to 200 m. Its hand operation means no motor power is required for cable retraction – the drum works wherever a mains connection is available. Light enough for one person, strong enough for daily use.

200 METERS. RIGHT ON POINT.

The high-precision meter counter delivers exact positional data for damage documentation. The high-quality, low-wear cable with anti-kink protection protects the investment long-term.

MAXIMUM EFFICIENCY AND COMPATIBILITY.

As the lightest manually operated model in the C-SERIES, the DRC200 can be transported and set up quickly by one person.

Compatible with CRC90 and CRC130 crawlers, it integrates seamlessly into existing system configurations.



DRC300

**LONG DISTANCE.
STRONG PERFORMANCE.**



300-METER CABLE DRUM OF THE C-SERIE. FULLY MOTORISED. HIGH-PERFORMANCE. WITH TOUCH CONTROL DISPLAY.



300
METERS

FULLY MOTORIZED. PRECISE. TIRELESS.

The DRC300 handles long runs up to 300 m – fully motorised in both directions. That means maximum operator comfort and minimum fatigue, even on demanding stretches. High-quality construction ensures longevity in outdoor use.

300 METERS. FULL CONTROL.

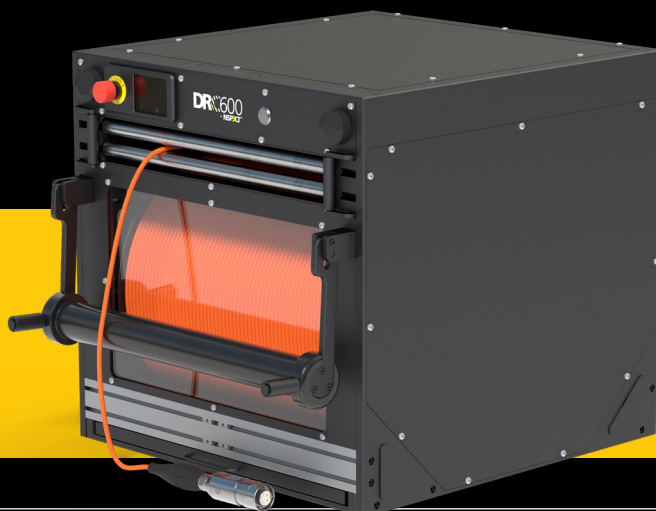
The intuitive touch control display enables direct operation at the drum, without the HMX tablet. The high-precision meter counter documents positions completely and additional connections offer maximum flexibility.

PART OF A GROWING SYSTEM.

Compatible with CRC90 and CRC130 crawlers, the DRC300 is a central element of the modular C-SERIES. Control via HMX and protection class IP54 make it the ideal partner for long inspection runs in continuous operation.

DRC600

**MAXIMUM DISTANCE.
IN YOUR VEHICLE.**



600-METER CABLE DRUM OF THE C-SERIE. FULLY MOTORISED. WITH TOUCH CONTROL DISPLAY AND SAFETY BRAKE.



600
METERS

MOTORIZED. FAR-REACHING. SECURE.

The DRC600 is the largest cable drum in the C-Series – 600 m of range for extreme inspection runs and demanding requirements in daily deployment. The integrated safety brake holds the crawler securely in position at all times – even during vertical applications.

FIBRE OPTIC. MAXIMUM SIGNAL QUALITY.

Fibre optic data transmission guarantees uncompromising signal quality at any distance – without loss over long sections. Fully motorised cable extraction and retraction ensures maximum comfort during deployment. Intuitive control via HMX or HMX Truck.

VERTICAL. HORIZONTAL. EVERYWHERE.

As the only C-SERIES system also suitable for vertical applications, the DRC600 integrates optimally into inspection vehicles. Compatible with CRC130, C90 and HMX, it forms the centrepiece of a high-performance vehicle system – for maximum reach in continuous operation.



YOUR MOBILE CONTROL UNIT.

HANDY, LIGHTWEIGHT CONTROL TABLET FOR INTUITIVE OPERATION OF ALL CRAWLERS AND CAMERA SYSTEMS.



COMPACT. INTUITIVE. ALWAYS THERE.

The HMX combines control of all NSP3CT systems in a single device weighing just 2.2 kg. The 11.6" Full-HD touchscreen is sunlight-readable – visible even in direct sunlight, whether on the construction site or in the vehicle. One device. Always full control.

FULL CONTROL. AT A GLANCE.

Picture-in-picture (PiP) displays front and backeye camera simultaneously – switchable at the touch of a button. Integrated EN 13508 documentation and pre-selected features in the main menu significantly minimise training requirements and enable immediate operation.

ONE CONTROLLER. ALL SYSTEMS.

With 1 TB of onboard storage, an integrated backup battery against data loss, and WiFi, Bluetooth and GPS, the HMX is built for networked field deployment.

The integrated, ergonomic tilt stand enables hands-free working – whenever it is needed.



YOUR STATIONARY COMMAND CENTRE.

ERGONOMIC, INTUITIVE CONTROLLER SET FOR PROFESSIONAL VEHICLE DEPLOYMENT.

ERGONOMIC. PRECISE. INGENIOUS.

The HMX-TRUCK transforms the vehicle workstation quickly into a professional command centre. Two angled joystick units enable simultaneous, precise control of crawler and camera – ergonomically positioned for long continuous operation without fatigue.

TWO UNITS. ONE CONTROL.

All functions are software-configurable and individually adaptable to the workflow. The integrated E-stop on the left unit guarantees maximum operational safety at the touch of a button. Stable desk mounting ensures vibration-free operation in the vehicle.

ONE SET. ALL SYSTEMS.

The HMX-TRUCK complements the HMX seamlessly – without a second system, without compromise. The integrated USB hub connects both control units to the HMX and provides an external USB port for direct data access at the workstation. Minimalist design. Maximum functionality.

DOWNLOADS



Technical data sheet



Technical data sheet



Technical data sheet



Technical data sheet



Technical data sheet



Technical data sheet



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