Operating Manual

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Product Description of the Machine

INTENDED USE

The C-Series pipe inspection system is designed exclusively for the inspection and condition assessment of pipelines and sewer systems. It is used for the visual inspection and documentation of pipe condition using specialized cameras and crawler vehicles.

Use is subject to the operating conditions and technical specifications described in this manual. Any use beyond these conditions or for purposes other than those described is considered improper and may result in damage to the system or hazards to the user.

The system must not be used in environments that:

- Contain potentially explosive atmospheres,
- Contain chemically aggressive substances,
- Exhibit excessively high or low temperatures outside the defined specifications,
- Are subject to high electrical or magnetic fields.

  For safe and reliable operation, compliance with all safety and maintenance instructions provided in this manual is required.

IMPROPER USE

Any other or further use will be considered improper use.

In the event of improper use, the manufacturer's liability under the Product Liability Act is void.

PREDICTABLE MISUSE

Predictable misuse can occur when operating the sewer inspection system.

Make sure you do not commit the following misuse.

- Grasping the moving cable.
- Reaching into the cable reel.
- Operating the cable reel with the covers removed.
- Reaching into the motorized components of the trolley.
- Reaching into the manually operated components of the trolley.
- Moving the trolley without lifting assistance.
- Lack of communication between assistant and inspector.

- Failure to follow the work sequence.
- Cable loops.

SPECIAL CONDITIONS

Always operate within the defined ambient temperature range (0°C to +40°C).

Adverse Conditions

- Do not operate during thunderstorms.
- Do not operate during heavy rain events.
- Do not operate without a backflow preventer.
- Do not operate outside the defined ambient temperature range.
- Do not operate outside the defined application area.
- Do not operate in uncleaned pipes.
- Do not operate in special profiles for which there are no suitable iPEK pipe adapters.
- Do not operate in pressurized pipes.
- Do not operate in pipes with a steep incline.
- Do not operate near high-voltage installations.
- Do not operate in direct sunlight.

SECURITY

Read the safety instructions carefully and follow them. They serve your own safety, the safety of employees, and the prevention of damage to your equipment.

SYSTEM DESCRIPTION

The C-Series Sewer Inspection System is a state-of-the-art, modular inspection system for verifying and documenting the condition of pipelines and sewer systems. It combines a powerful control and operating unit with high-resolution camera technology and a robust crawler system.

The system consists of the following main components:

- Control Unit – For operating and controlling all system functions.
- Crawler – A powered tracked vehicle for movement within the pipelines.
- Camera System – High-resolution pan and zoom camera for detailed inspections.
- Cable Drum – Automatic cable routing for flexible use in various pipe diameters.

Thanks to its modular design, the system can be adapted to different operating conditions and enables precise and efficient sewer inspection.

Technical Data

HMX

Display type	TFT
Aspect ratio	16:9
Screen size	11.6″
Screen resolution	1920 X 1080 px
Screen brightness	1000 cd/m³
Viewing angle	160°/160°
Interfaces	WiFi, Bluetooth, USB-C, USB-A, HDMI, Ethernet
Memory (RAM)	16 GB
Storage (internal)	1 TB
Power supply	24 V DC
Protection class	IP54
Operating temperature range	0° to 40°C
Storage temperature range	-20° to 60°C
Material	ABS, aluminum
Dimensions (LxWxH)	386mm X 213mm X 80mm
Weight	Only 1.5 kg
Video format	mp4
Special features	Two precise joysticks

Technical Data

DRC100

Drive	Motorized
Cable length	100 m
Meter counter	Integrated (high-precision)
Voltage	110 to 240 V AC
Mains frequency	50/60 Hz
Protection rating	IP54 (dust- and splash-water protected)
Operating temperature range	0° to 40°C
Storage temperature range	-20° to 60°C
Dimensions (LxWxH)	340 X 401 X 440 mm
Weight incl. cable	26.7 kg

Technical Data

DRC200

Drive	Manual/hand-operated
Cable length	200 m
Meter counter	Integrated (high-precision)
Voltage	110 to 240 V AC
Mains frequency	50/60 Hz
Protection rating	IP54 (dust- and splash-water protected)
Operating temperature range	0° to 40°C
Storage temperature range	-20° to 60°C
Dimensions (LxWxH)	492 X 261 X 408 mm
Weight incl. cable	24 kg

Technical Data

DRC300

Drive	Motor-driven
Cable length	300 m
Meter counter	Integrated (high-precision)
Voltage	110 to 240 V AC
Mains frequency	50/60 Hz
Protection rating	IP54 (dust- and splash-water protected)
Operating temperature range	0° to 40°C
Storage temperature range	-20° to 60°C
Dimensions (LxWxH)	707 X 372 X 575 mm
Weight incl. cable	70.5 kg
Special feature	**Touch control display**

Technical Data

CRC90

Drive	6-wheel drive
Steerable	Yes
Nominal pipe sizes	DN100 – DN250
Rear-view camera resolution	Full HD (1920 X1080 px)
Locator frequency	512 Hz, 640 Hz, 33 kHz
Power supply	Via Cable Drum
Protection class	IP68
Pressure-tight up to	1 bar
Material	SUS 304
Dimensions (LxWxH)	430 X 106 X 99 mm
Weight incl. connector	10.5 kg
Operating temperature range	0 °C – 40 °C
Storage temperature range	-20 °C – 60 °C

Technical Data

CRC130

Drive	6-wheel drive
Steerable	Yes
Nominal pipe sizes	DN150 – DN1000
Rear-view camera resolution	Full HD (1920 X1080 px)
Locator frequency	512 Hz, 640 Hz, 33 kHz
Power supply	Via Cable Drum
Protection class	IP68
Pressure-tight up to	1 bar
Material	SUS 304
Dimensions (LxWxH)	430 X 106 X 99 mm
Weight incl. connector	10.5 kg
Operating temperature range	0 °C – 40 °C
Storage temperature range	-20 °C – 60 °C

Technical Data

C50

Nominal pipe sizes	DN100 – DN300
Crawler operation	CRC90, CRC130
Pressure-tight up to	1 bar
Tilt range	-135° – 135°
Rotation range	Endless
Field of view	D:79.8° H:67.8° V:53.1°
Focus	3.5 cm
Optical zoom	–
Digital zoom	4X
Resolution	Full HD (1920 X1080 px)
Light sensitivity	0.001 Lux @F1.8, AGC ON
Laser pointer	Yes
Laser spacing	24 mm
Pressure sensor	0.3 bar – 2.6 bar
Protection class	IP68
Material	AL 6061, SUS 304, Sapphire glass
Dimensions (LxWxH)	Φ 58mm X 97mm
Weight	0.6 kg
Operating temperature range	0 °C – 40 °C
Storage temperature range	-20 °C – 60 °C

CAUTION!

CLASS 2 LASER

Never look directly into the laser beam or point it at other people. Serious injuries could result from laser exposure. Use the laser exclusively for measuring crack widths in pipe inspection areas.

Technical Data

C90

Nominal pipe sizes	DN100 – DN1000
Crawler operation	CRC90, CRC130
Pressure-tight up to	1 bar
Tilt range	-135° – 135°
Rotation range	Endless
Field of view	Zoom 1x: D:67.1° H:59.16° V:29.58° Zoom 10x: D:7.7° H:6.76° V:3.86°
Focus	5 – 50 cm
Optical zoom	10X
Digital zoom	16X
Resolution	Full HD (1920 X1080 px)
Light sensitivity	0.005 Lux
Laser pointer	Yes
Laser spacing	65 mm
Pressure sensor	0.3 bar – 2.6 bar
Protection class	IP68
Material	AL 6061, SUS 304, Sapphire glass
Dimensions (LxWxH)	Φ 92mm X 168mm
Weight	1.6 kg
Operating temperature range	0 °C – 40 °C
Storage temperature range	-20 °C – 60 °C

CAUTION!

CLASS 2 LASER

Never look directly into the laser beam or point it at other people. Serious injuries could result from laser exposure. Use the laser exclusively for measuring crack widths in pipe inspection areas.

Overview of the C-Series

OVERALL SYSTEM

The **C-Series crawler system** is a modular and highly flexible inspection system for pipes and sewers. It is specifically designed for use with various pipe diameters and materials and can be customized with a wide range of accessories and extensions.

MAIN COMPONENTS

The system consists of the following core components:

- **Crawler:** A robust, remotely controlled vehicle for use in pipes and ducts.
- **Camera Unit:** High-resolution inspection cameras, mountable directly on the crawler.
- **Control Panel / Controller:** Control unit for navigating the crawler, live image transmission, and documentation.
- **Cable Reel:** Supplies the system with power and transmits data – automatic cable extension and retraction.

EXTENSIONS AND ACCESSORIES

- **Rubberized Wheels for different surfaces**
- **Drag rollers:** For optimized cable routing and reduced resistance.
- **Shaft accessories:** Drainage devices, protective brackets, and guide rails for safe handling in shafts.

AREAS OF APPLICATION

The system is suitable for inspections in pipelines from **DN 100 to DN 900**, depending on the wheel and accessory configuration. It can be adapted for various materials such as concrete, plastic, or steel and can be used in both dry and flooded pipes.

ACCESORIES

The C-Series trolley system is equipped with a wide range of accessories that enhance its functionality and adaptability to various operating conditions. The available accessories are described in detail below.

WHEELS FOR VARIOUS APPLICATIONS

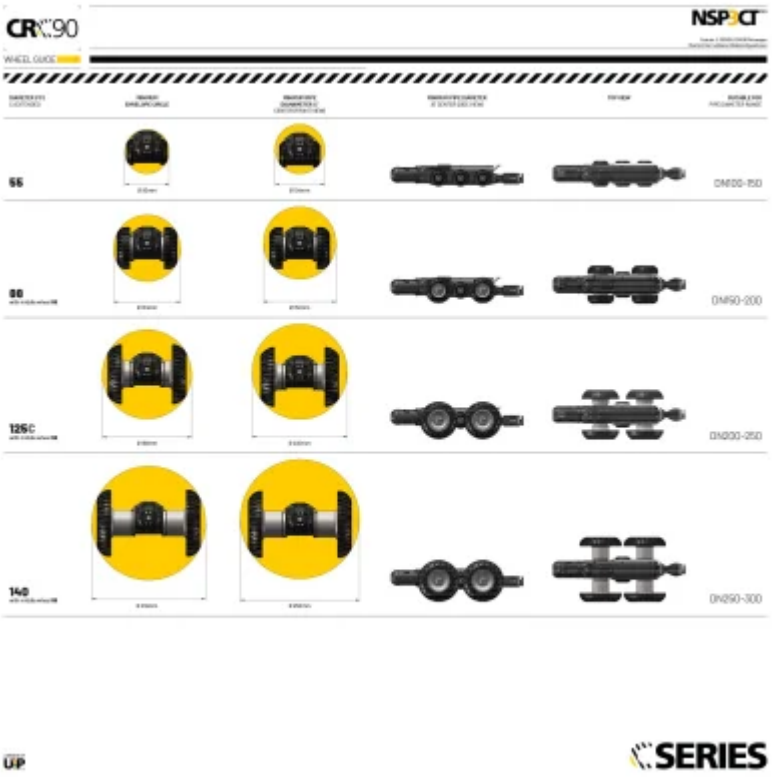
The C-Series Crawler system offers a selection of wheels for different operating conditions. The most important wheel types include:

- **Standard wheels:** These wheels are suitable for general use and provide a balanced combination of traction and durability.

WHEEL SIZES AND SPECIFICATIONS

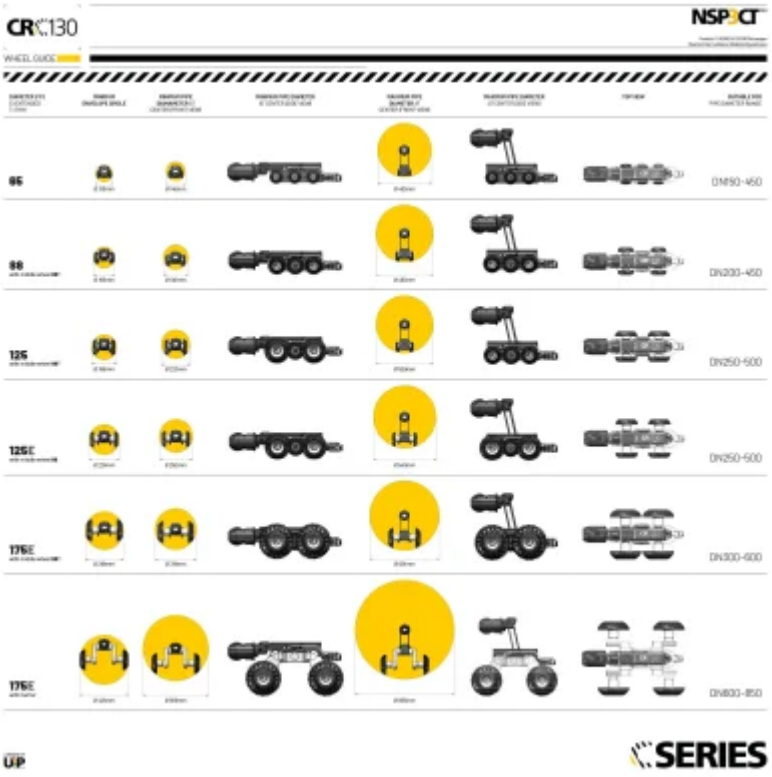
CRC90

To download a PDF, simply click on the image.



CRC130

To download a PDF, simply click on the image.



MECHANICAL EXTENSIONS

In addition to the wheels, various mechanical extensions are available:

Riser: Extends the operating range of the carriage for larger diameters.

ELECTRICAL EXTENSIONS

Ortungssender: Unterstützt verschiedene Frequenzen (33 kHz, 512 Hz, 640 Hz) für eine präzise Positionsbestimmung.

PULLEYS

Pulling pulleys are essential for efficiently and safely guiding the cable of the trolley system. They reduce resistance and ensure optimized cable routing in various application scenarios.

AVAILABLE PULLEYS:

- **Standard Pulley:** For easy cable routing, suitable for small to medium-sized shafts.
- **Shaft Pulley with Height Adjustment:** Allows the cable routing to be adapted to different shaft depths.

LOWERING DEVICES AND ADAPTERS

Lowering Device: Allows the trolley to be safely lowered into the shaft using a hook.

MAINTENANCE AND SPARE PARTS

To ensure a long service life for the trolley system, various spare parts are available:

- **Screw sets:** For mounting and maintaining the wheels.
- **O-rings and seals:** To maintain the system's watertightness.
- **Lubricants:** For optimal maintenance of the moving components.

Commisioning

The commissioning of the C-Series sewer inspection system takes place in several steps to ensure safe and error-free operation.

1. PREPARATION

- Check all components for visible damage and completeness.
- Ensure the system is placed on a stable and secure work surface.
- Read the safety instructions in the manual before operating the system.

2. SETUP AND CABLING

- **Cart:** Connect the cart to the camera system interface. Ensure the connector is locked in place.
- **Camera System:** Mount the camera unit on the cart and secure the connection.
- **Cable Reel:** Properly connect the control panel to the cable reel. Connect the cable reel to the power supply and start the system.

3. SYSTEM STARTUP AND FUNCTION TEST

- Switch on the cable reel and wait until the system has booted up.
- Check the camera functions (zoom, pan, lighting).
- Test the mobility of the trolley in a safe environment.
- Check the data transmission between the camera, trolley, and control unit.
- Check the pressure of the connected components.

4. OPERATIONAL READINESS

- Ensure that all system components are functioning correctly.
- Adjust the camera settings and controls to the inspection conditions. Select the appropriate wheel set for the diameter and condition of the pipe being inspected.
- Begin the sewer inspection according to the established procedures.

Operation/User Interface

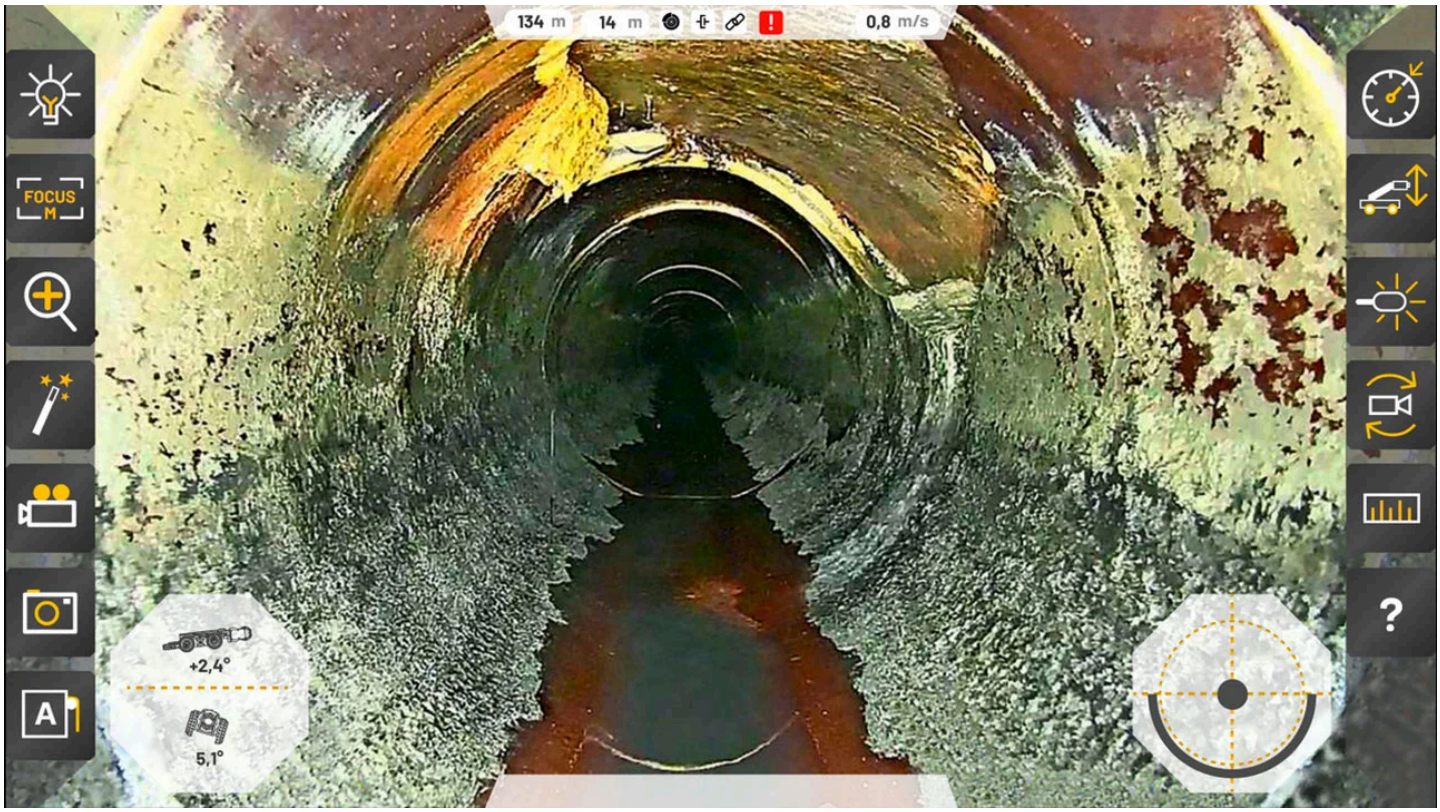
1. STARTING THE SOFTWARE

- Connect the control unit to the system.
- Switch on the control unit and start the HMX software.
- Check the connection status of all components in the main menu.

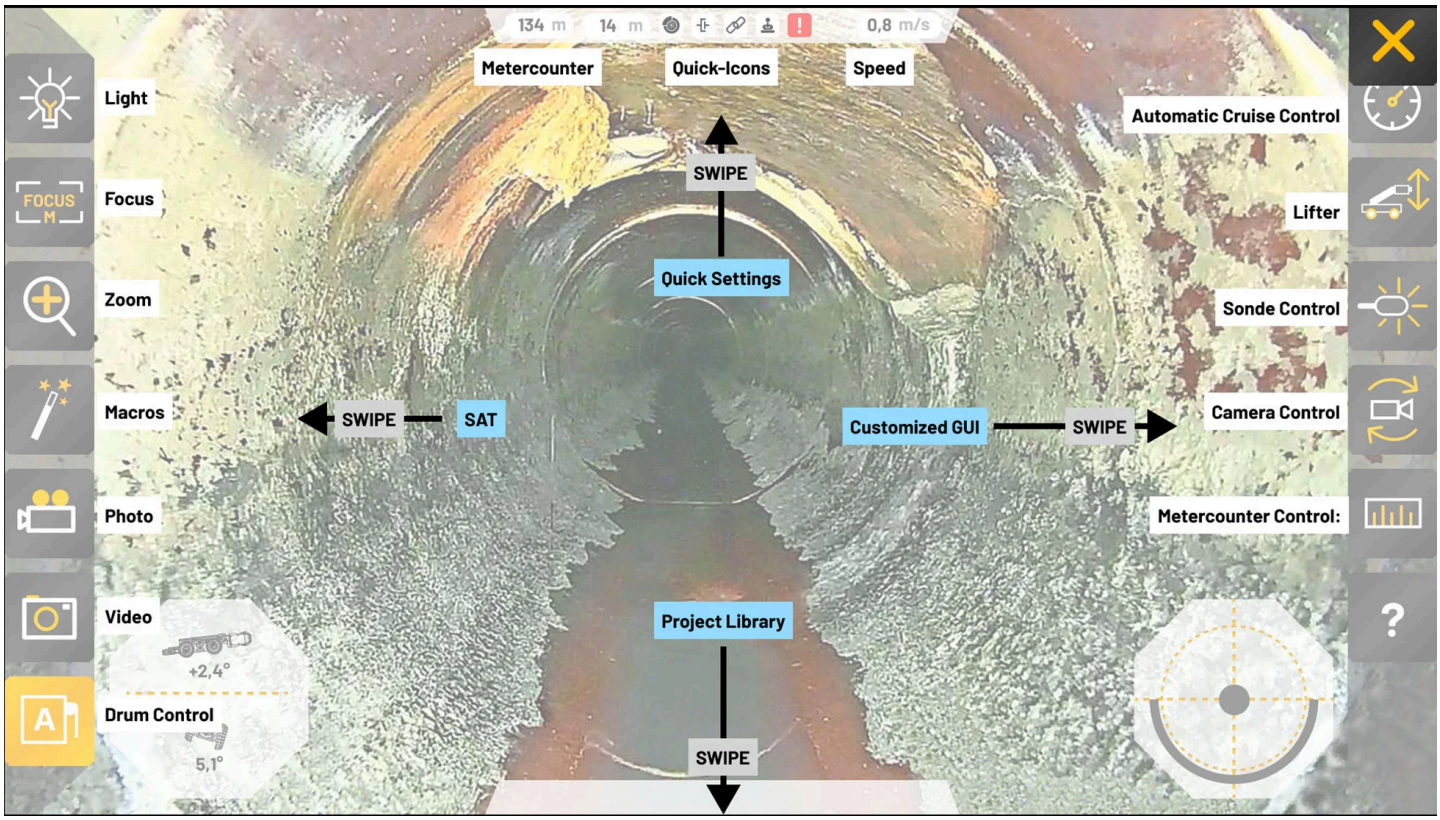
2. MAIN MENU AND CONTROLS

After startup, the main screen is the central workspace of the HMX system. The user manual shows only a sample version of the software; this may change due to its customization options, but the information and functions remain unaffected.

It displays the current video stream from the inspection system and serves as the main control environment for the operator.



The question mark key allows you to view detailed information about each function as a help function.



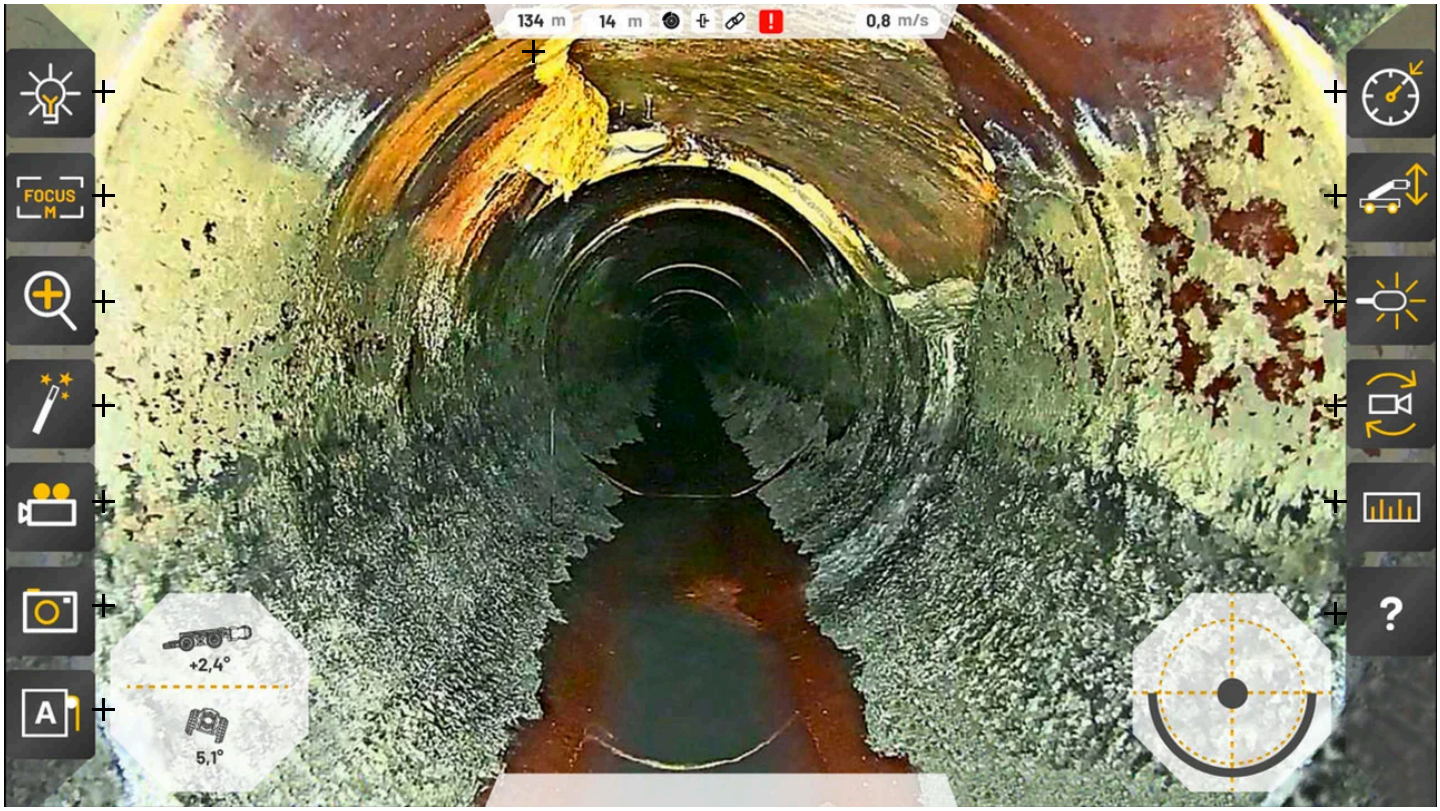
Besides the main core functions, swiping in all directions is the primary way to access all features. Quick settings and settings are located at the top, while the gallery and project management with reporting are at the bottom.

3. FUNCTION KEYS

- Adjust lighting
- Focus
- Adjust zoom
- Macros
- Take photo
- Start video recording
- Control cable drum
- Automatic speed control
- Lifter
- Control locating
- Camera Head Selection
- Meter control
- Show help

The current live image, possibly with data overlays, is always displayed in the background. The status bar at the top displays, among other things, the current meter reading, quick icons, and speed.

Overview of the Function Keys



LIGHTING CONTROL

Pressing the button opens sliders for stepless adjustment of the lighting intensity.

FOCUS

FOCUS SYMBOL

The focus button displays **A (Auto)** or **M (Manual)** to indicate whether autofocus is currently active.

Pressing the button opens the corresponding controls: **+** and **–** for manually adjusting the focus, and the **A/M** button for switching between autofocus and manual mode.

The mode switch is only available if the connected camera supports this function.

If the main view displays an image from a camera with fixed focus, the focus button must be disabled (grayed out) or hidden.

ZOOM

MAGNIFYING GLASS SYMBOL

Opens the corresponding controls: the **+** and **–** buttons for adjusting the zoom level and a slider that displays the current zoom position.

All sliders must apply value changes immediately upon movement, not only after being released.

MACROS

MAGIC WAND SYMBOL

Opens the **favorites** macro menu, which provides quick access to your most frequently used macros.

Macros are added to this list by long-pressing a macro in the macro menu.

Once added, they will automatically appear under the magic wand icon on the main interface.

A maximum of five macros can be saved as favorites at one time.

From this menu, any macro can be launched instantly with a single tap.

VIDEO CAPTURE

VIDEO CAMERA SYMBOL

Pressing this button starts video recording.

- The timecode begins.
- The recording icon changes to “Pause.”
- Message appears –> **Stop recording. Are you sure? Yes/No**
- **Yes**: Ends the current recording.
- The video recording is completed and saved.

SCREENSHOT/IMAGE CAPTURE

PHOTO CAMERA SYMBOL

Press the image capture button Creates a photo of the current camera image without menu navigation or bars.

CABLE DRUM CONTROL

CABLE DRUM SYMBOL

Indicates whether the drum is operating in automatic or manual mode and opens the corresponding controls.

All displayed controls depend on the connected drum type:

DRC 100: Speed, A/M (Automatic/Manual), Retract, Clutch
DRC 200: No adjustable parameters – the drum button is completely disabled (grayed out)
DRC 300: Speed, Force, A/M (Automatic/Manual), Retract, Clutch

CRUISE CONTROL

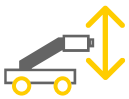
SPEEDOMETER SYMBOL

Activates the Cruise Control function.

Once activated, the crawler accelerates to the desired speed using the joystick. After releasing the joystick, the crawler automatically maintains its current speed.

When the joystick returns to the neutral position and is moved again, the crawler stops. Moving the joystick forward or backward again accelerates the crawler and saves the new speed.

Pressing the cruise control button stops the crawler and deactivates the cruise control function.

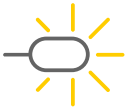


LIFTER CONTROL

LIFTER SYMBOL

The lifter control allows the user to adjust the vertical position of the crawler's lifting mechanism. This function raises or lowers the camera head to achieve optimal alignment for inspection inside the pipe.

Info: The displayed height value indicates the distance between the wheel axis (center of the crawler wheels) and the camera axis (center of the camera head).



LOCATION

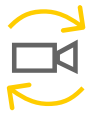
SONDE SYMBOL

Short press: Turns the location tracking function on or off using the currently stored frequency.

When the function is active, the corresponding button (e.g., 512, 640, 33k) is highlighted in yellow and displays the selected frequency (see example → 512). When the function is inactive, the button returns to its default gray state.

Long press: Opens the frequency selection menu, where the user can select a different transmission frequency.

After selecting a new frequency, the transmitter is immediately activated with this setting.



CAMERA HEAD SELECTION

Here you can select the camera and the image size.

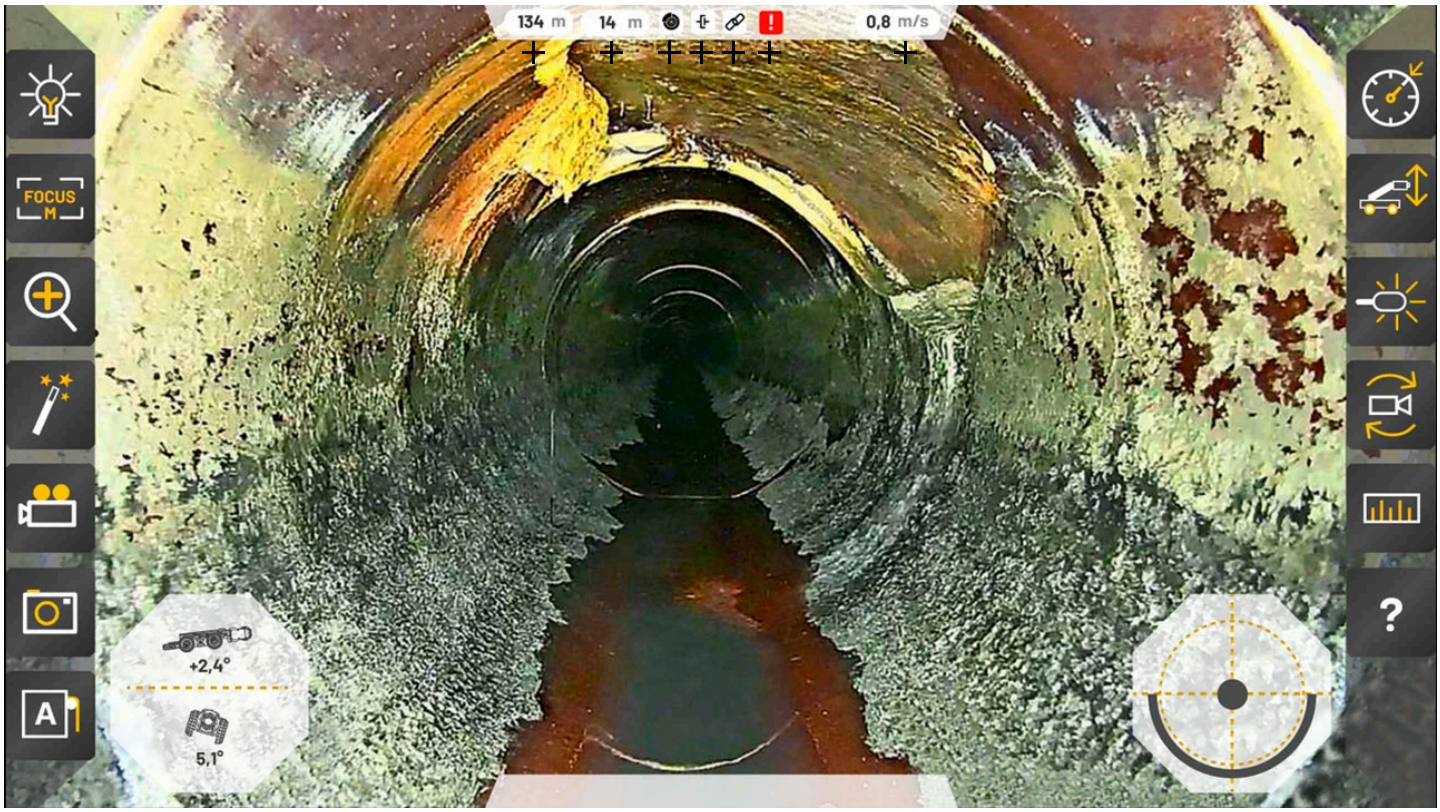
METER COUNTER
RULER SYMBOL

HELP
QUESTION MARK SYMBOL

The question mark key allows you to view detailed help information about each function.

Status Bar

The following status icons indicate various system states. If a function is inactive, the corresponding icon is displayed with a red strikethrough.



ABSOLUTE CABLE LENGTH

Displays the absolute cable length.

RELATIVE CABLE LENGTH

Displays the relative cable length.

CONNECTION STATUS CRAWLER

Displays the status of the electronic coupling in the **Crawler**.

CONNECTION STATUS CABLE DRUM

Displays the status of the coupling in the cable drum.

LINK
CHAIN SYMBOL

Indicates whether all required system components are connected.

WARNING SYMBOL

Indicates that one or more alerts are active. Alerts can be viewed in the “Notifications” section of the quick menu.

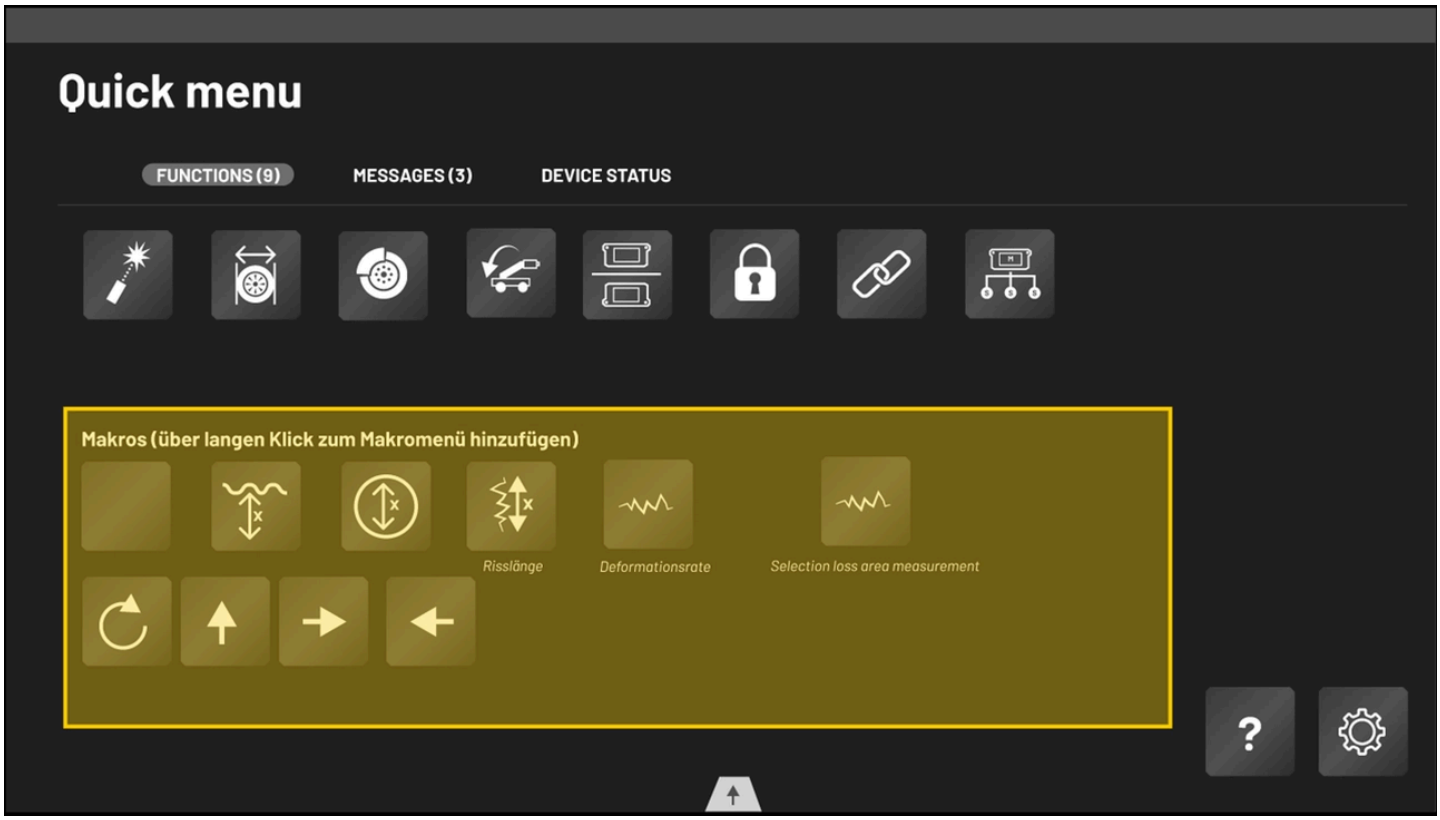
The icon is hidden when there are no alerts.

SPEED

Displays the current crawler speed in meters per second.

Quick Menu

Image similar and for illustrative purposes only.



The quick menu provides direct access to frequently used commands and functions. It is designed so that the operator can trigger important actions quickly without having to navigate through deeper menus. When a function is activated in the quick menu, the corresponding icon turns yellow to indicate that the function is currently active.

- **Direct functions** (e.g., laser measurement) are executed immediately after selection – in this case, the laser is switched on.
- **Input functions** (e.g., wheel diameter) open an input dialog where the user can enter or adjust specific parameters.

In addition, status messages (separate menu) and the status of each individual component are displayed.

Messages – Displays current system warnings and error messages.

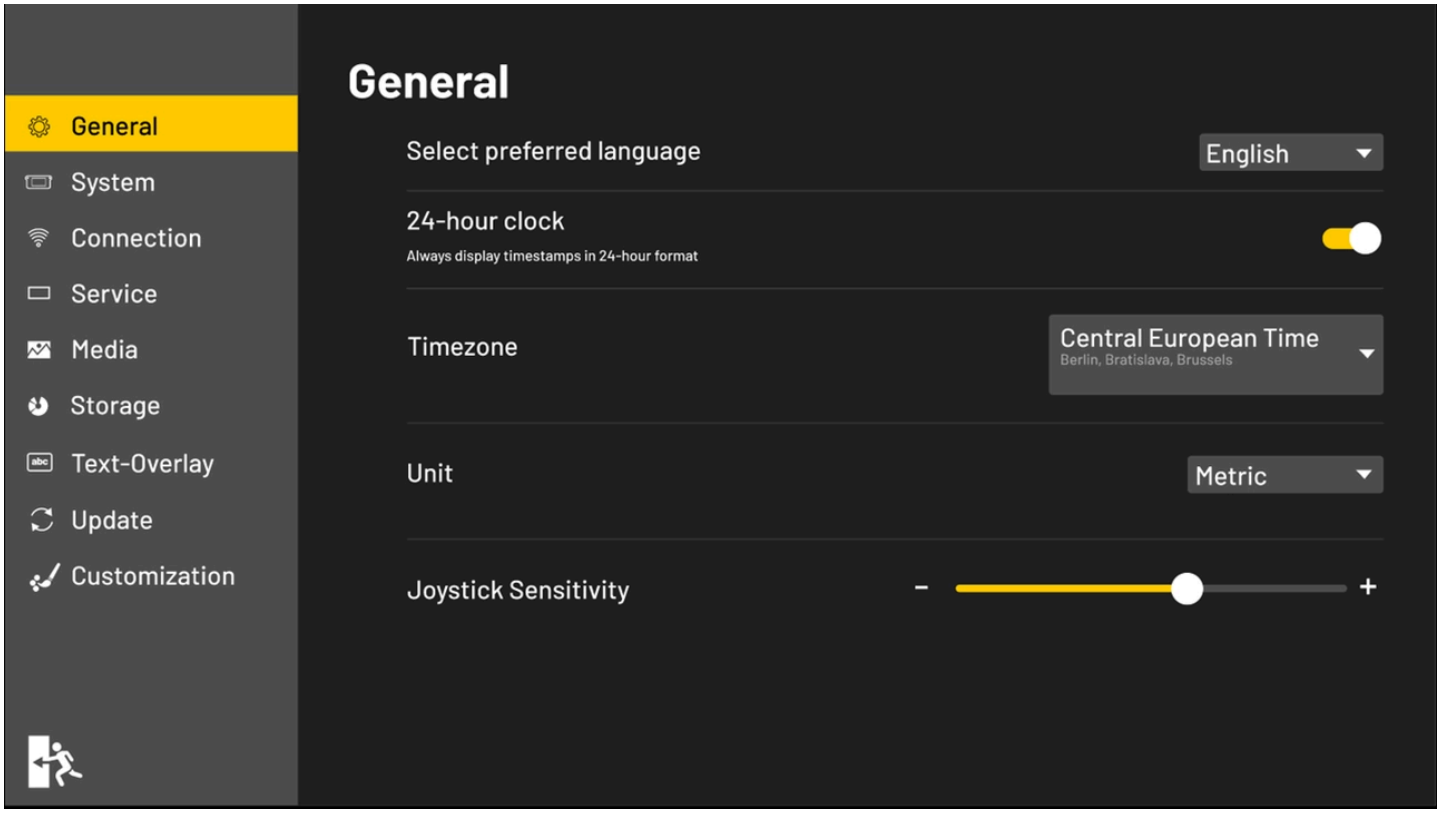
Device status – Displays a detailed overview of all connected devices. Each device reports various operating parameters.

The **settings menu** can be accessed via **Settings**:

Settings Menu

The “Settings” menu provides access to all configuration options of the HMX system. Here, the user can adjust general settings, system behavior, service tools, and overlay functions, allowing the control unit to be adapted to different environments and inspection requirements. The “Settings” menu can be accessed via the quick menu.

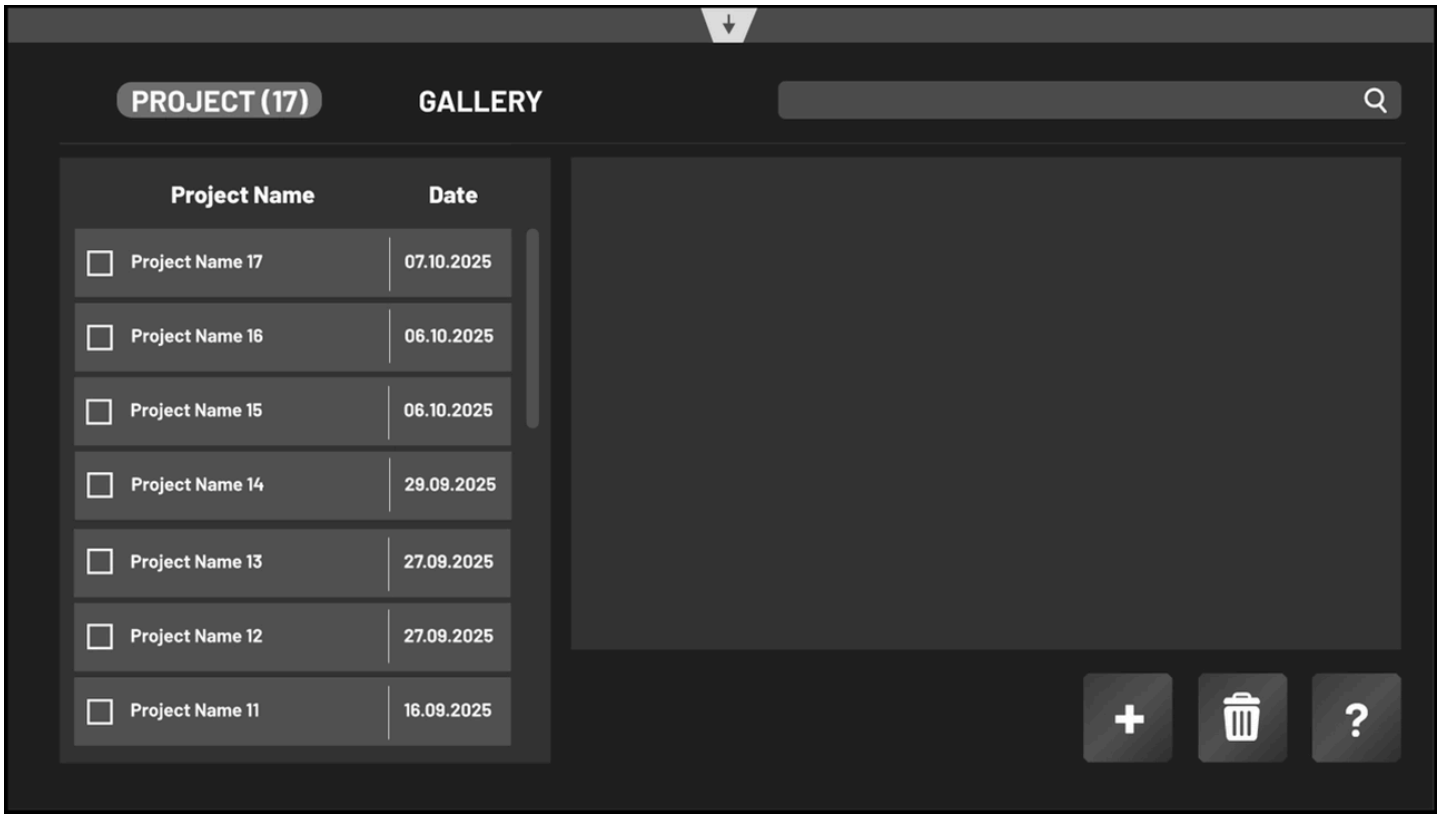
- The main settings categories are listed on the left side.
- The currently active category is highlighted in yellow.
- Selecting a category displays the corresponding settings on the right side.
- When opening the settings menu, the first category “General” is preselected and highlighted in yellow as the active view.
- Use the button in the bottom left to exit the settings menu and return to the previous (quick menu).
- All settings are permanent and remain saved even after a restart.



Project Management

The “Project Management” page provides an overview of all projects and allows users to create, view, edit, search, and delete projects, as well as access the gallery for unassigned media files.

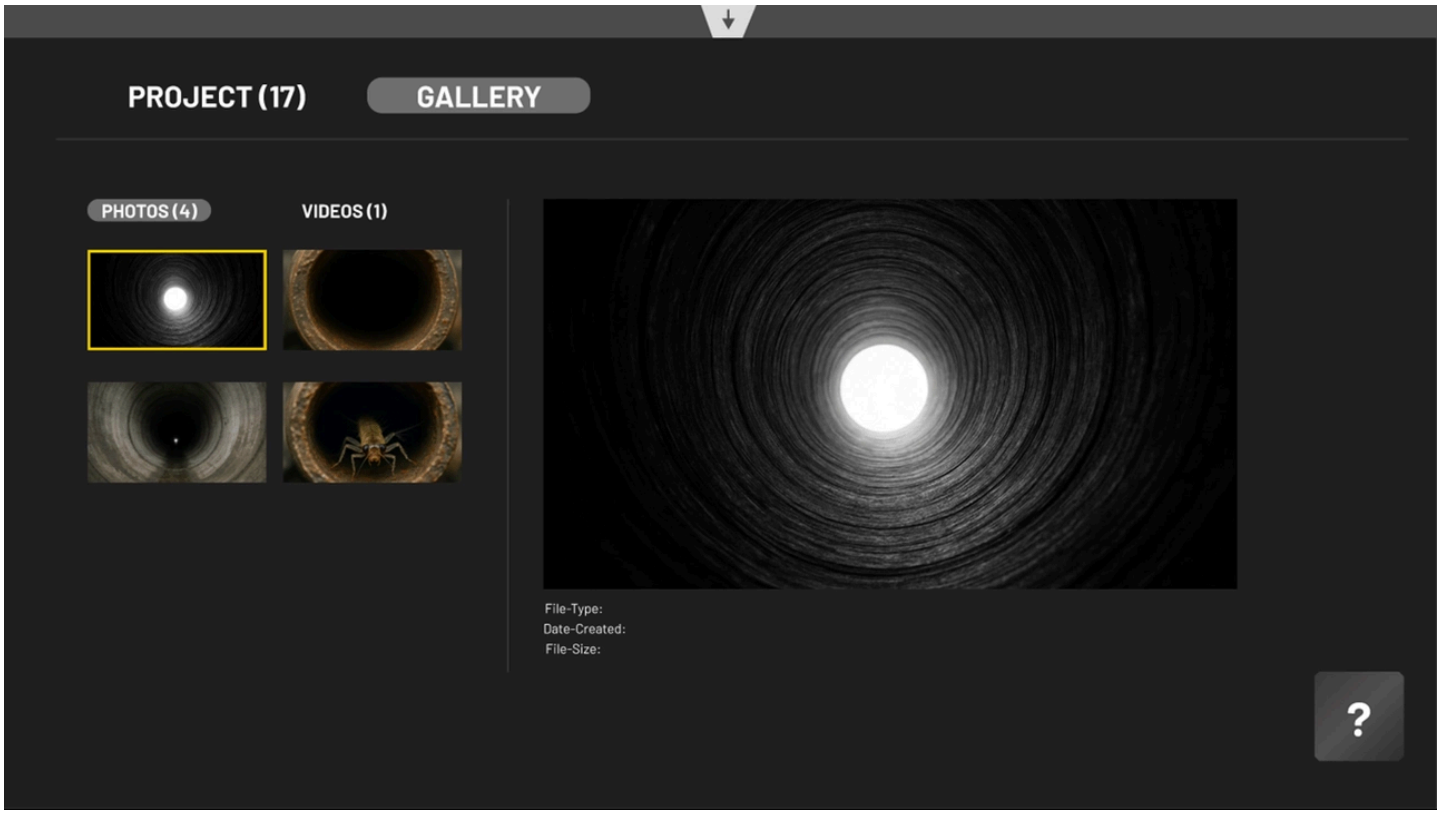
Depending on the license, different functions are available here. Simple projects can always be created.



Projects are always sorted chronologically, with the newest project at the top. The list is scrollable and supports both single and multiple selections.

Gallery

The gallery contains photos and videos that are not assigned to any project (quick shots without prior project creation).



Cleaning and Care

CRAWLER

- Remove dirt using clean water and a soft brush.
- Dry the device completely before storing it.

CAMERA HEAD

- Clean the lens with a lint-free cloth and optical cleaning solution.
- Check the protective cover for cracks or scratches.

CABLE DRUM

- Always wind up the cable properly to prevent damage.
- Use a damp cloth to clean the drum mechanism.

Spare Parts and Repairs

If individual components are damaged or no longer function properly, please contact customer support.

Original spare parts are only available through authorized dealers.

Repairs may only be carried out by trained specialist personnel.

Defective components can be sent to the service center.

Contact for service requests:
NSP3CT.PRO GmbH
Am Galgenbichl 14
87509 Immenstadt
Tel.: +49 831 20530620
E-mail: service@nsp3ct.pro

Maintenance and Service

GENERAL MAINTENANCE INSTRUCTIONS

To ensure long-term and reliable operation of the **C-Series sewer inspection system**, regular maintenance work is required. Please observe the following points:

- Clean the system after each inspection to prevent deposits and damage.
- Regularly check all electrical connections and cables for damage.
- Use only spare parts and lubricants recommended by the manufacturer.

MAINTENANCE INTERVALS

Component	Maintenance Frequency	Maintenance Measure
Crawler	After each inspection	Clean the wheels and drives, perform a visual inspection for damage
Camera system	Weekly	Clean the optics, check the seals
Cable Drum	Monthly	Check for cable breaks, lubricate moving parts
Control unit	Quarterly	Check for software updates, inspect buttons and ports

Transportation

GENERAL INFORMATION

The **C-Series** sewer inspection system consists of sensitive electronic and mechanical components. Therefore, special care is required during transport to prevent damage.

- Use the original transport cases or suitable protective packaging.
- Secure all components before transport to minimize vibrations and shocks.
- Make sure the system is dry and clean before it is packed.

PREPARATION OF TRANSPORT

Before transporting the system, the following steps should be carried out:

- **Control unit:** Switch off and disconnect all cable connections.
- **Crawler:** Clean and dry to prevent corrosion.
- **Camera system:** Attach the protective cover to protect the lens from scratches.
- **Cable Drum:** Fully wind up the cable and check for damage.

TRANSPORTATION METHODS

Type of transport	Requirements	Notes
Manual transport	Use the original case or a padded bag	Only suitable for short distances
Vehicle transport	Secure components on a non-slip surface	Avoid direct sunlight and high temperatures
Air/sea freight	Shock-resistant packaging, protected from moisture	Follow the transport guidelines of the airline or freight forwarder

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MEANS OF TRANSPORT

Selection of the means of transport: Choose a suitable means of transport that ensures the safe transport of the device. Make sure that the means of transport provides sufficient space and that the load can be securely fastened.

Securing the load: Secure the devices or the transport case firmly inside the means of transport. Use straps or other securing devices to prevent shifting or tipping over during transport.

For **shipping by mail**, ensure proper packaging. You are welcome to use the original packaging for this purpose.

DURING TRANSPORT

- Store the system on a stable and level surface.
- Avoid strong temperature fluctuations, as these can cause condensation.
- Keep the system away from aggressive chemicals or solvents.

RECOMMENDED ENVIRONMENTAL CONDITIONS

- **Storage temperature:** -20°C to +70°C
- **Humidity:** Max. 85%, non-condensing
- **Protection from shocks:** Padded storage recommended

AFTER TRANSPORT

CONTROLLING

After transport, all components should be checked for damage:

- Visual inspection for cracks or deformation.
- Functional test of the control unit, the Crawler, and the camera.
- Check all cables and connectors.

If damage is found, the system must not be put into operation. In this case, contact technical support.

Troubleshooting

GENERAL INFORMATION

If the **C-Series sewer inspection system** does not function properly, first check the most common causes using the table below.

- **Turn the system off and on again** to fix simple software errors.
- **Check all cable connections** for loose or damaged connectors.
- **Perform a visual inspection** for external damage to the Crawler, camera, and Cable Drum.
- If the problem persists, contact customer support.

ERROR DIAGNOSIS AND SOLUTION

Problem	Possible Cause	Solution
No image on the monitor	Camera not connected or defective	Check the connection, reconnect the camera
	Cable damaged or not properly connected	Check the cable for damage, replace if necessary
	Software error	Restart the software, check for updates if necessary
Crawler does not move	Activate drum freewheel	Enable the function in the software
	Obstacle in the pipe	Check the inspection path and remove the obstacle
	Cable blocked or twisted	Untangle the cable, ensure correct routing

Poor image quality	Lens dirty	Clean the camera
	Incorrect focus setting	Adjust the focus in the software
	Insufficient lighting	Increase the light intensity
Cable Drum does not reel in/out	Mechanical resistance in the drum	Check the cable guide, lubricate if necessary
	Automatic retraction disabled	Enable the function in the software
Control unit not responding	Software crashed	Restart the software
	Connection to the Crawler interrupted	Check system connections, restart if necessary
Error message in the software	Sensor data incorrect	Restart the device, check for a software update

EMERGENCY MEASURES

If the system fails during an inspection:

- **Activate emergency stop:** If there is a danger, activate the emergency stop function.
- **Recover the trolley:** If the trolley gets stuck, try carefully pulling it back using the cable reel.
- **Restart the system:** Switch off the entire system and then switch it back on after a few minutes.
- **Use a backup system:** If the fault cannot be rectified, use an alternative inspection unit.
- **Contact support:** If the problem persists, contact technical support.

Device take-back and disposal

ALLGEMEINE HINWEISE

1. LEGAL REGULATIONS

Disposal of the device must be carried out in accordance with applicable legal regulations. These include, in particular, the German Circular Economy Act (KrWG) and the German Electrical and Electronic Equipment Act (ElektroG).

2. ENVIRONMENTALLY SOUND DISPOSAL

Ensure that the device is disposed of in an environmentally sound manner to avoid negative environmental impacts. Separate the individual parts (e.g., batteries). Do not dispose of the channel mirror in household waste or unsorted commercial waste.

3. DEVICES USED PURELY FOR COMMERCIAL PURPOSES

The device is considered a “purely commercially used device” under the WEEE regulations and may not be disposed of at municipal collection points like consumer devices such as washing machines, video recorders or standard PCs.

DISCLAIMER

The WEEE symbol of a crossed-out wheeled bin on your device indicates that it is a WEEE-relevant device that must be disposed of separately. This symbol is not strictly required in EU countries like Germany for devices used purely for commercial purposes, but NSP3CT.PRO GmbH uses it uniformly throughout Europe. The symbol does not mean that the device can be returned to municipal collection points!

Should you require assistance with disposal or material identification, please contact us.

Garantiebedingungen

SCOPE

These warranty conditions apply to all electronic devices with batteries sold by our company in the B2B sector.

WARRANTY PERIOD

The warranty period is 12 months from the date of purchase. The warranty period begins on the invoice date.

GUARANTEE SERVICES

1. **Repair or Replacement:** During the warranty period, defective devices will be repaired or replaced at our discretion.
2. **Refund:** If repair or replacement is not possible, we will refund the purchase price.

EXCLUSIONS

The following are excluded from the warranty:

- Damage caused by improper handling, installation, or use.
- Damage caused by external influences such as fire, water, or force majeure.
- Wear parts, such as batteries, that are subject to natural wear and tear.

PROCEDURE IN THE EVENT OF A WARRANTY CLAIM

1. **Contact us:** In case of a warranty claim, please contact our customer service department or your local service partner.
2. **Returns:** Please return the defective device to us along with a return form including a detailed description of the fault.
3. **Processing:** After receiving and inspecting the device, we will initiate the necessary steps to fulfill the warranty claim.

Limitation of Liability

SCOPE

Our liability under this warranty is limited exclusively to the services mentioned above. Further claims, in particular for damages, are excluded, unless mandatory legal provisions stipulate otherwise.

Legal Notice

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