

JETSCAN 2.1

Operating Instructions





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Introduction

In this chapter, you will find some preliminary remarks on using the JetScan 2.1 sewer inspection camera system, as well as explanations of the structure of this operating instruction and the symbols and text markings used.

Applicable directives and standards

The **JetScan 2.1** sewer inspection camera system was manufactured in accordance with applicable guidelines and standards.

Target groups

Target group	Tasks
Operator	• Keep this manual available at the system's location for future reference. • Instruct employees to read and follow this manual and the applicable documents, especially the safety and warning instructions.
Qualified personnel	• Read, observe, and follow these instructions and the applicable documents, paying particular attention to the safety and warning notices.

About this operating instruction

On the following pages, you will learn how to properly commission, operate, and maintain the **JetScan 2.1** sewer inspection camera system for your work environment. During development, **ipek** placed great emphasis on ensuring that you can operate the system safely, properly, and cost-effectively. To this end, it is essential that you read this user manual carefully before using the inspection system. It contains important information that will help you avoid hazards and increase the reliability and service life of the system and its associated components. For your own safety, please read the "Safety instructions" section carefully. Follow all instructions precisely to avoid endangering yourself and other employees and to prevent damage to the system.

If you have any questions about using the **JetScan 2.1** sewer inspection camera system that are not answered in this user manual, please contact our service staff.



You can find all customer service addresses in the "Customer service addresses" section.

Intended use

The **JetScan 2.1** sewer inspection camera system is intended exclusively for use with cleaning nozzles to record flushing operations within the specified operating diameters. Any other use or use beyond these specifications is considered improper. Never use the **JetScan 2.1** sewer inspection camera system for any other purpose. The system must not be used in pipes containing explosive substances. Any violation of these instructions or improper use will void all warranties and the manufacturer's liability. In the vicinity of strong electric fields (EMC), operational performance may be impaired. Various factors may cause image distortion or flickering of the lighting. Only components specified in this user manual may be connected. Operation is permitted both indoors and outdoors.

Type plate

You will find a type plate on the product with the corresponding serial number. You will need this information when contacting **ipek** Customer Service, for example, if you wish to order accessories or spare parts.

General Conditions

Product names

The names of ***ipek*** products are labeled as follows:

JetScan 2.1

Operating steps

Operating steps are formatted as follows:

- Step description
 - Bullet point within a step
 - Bullet point within a step
- Step description
- Step description

Lists

Lists are formatted as follows:

- Variant A
- Variant B
- Variant C

Cross-references

Cross-references are formatted in italics.

Warnings, safety measures & care

Read the safety instructions carefully and follow them. They are intended to ensure your own safety, the safety of employees, and to prevent damage to the **JetScan 2.1** sewer inspection camera system and its components.



INFORMATION

The manufacturer is not liable for damages resulting from failure to follow the instructions in the complete documentation.

General warning and safety instructions

- DANGER!** This safety instruction describes an imminent hazard that will result in fatal injuries or very serious personal injury.
- WARNING!** This safety instruction describes a potential hazard that could result in fatal injuries or very serious personal injury.
- CAUTION!** This safety instructions describes a potential hazard that could result in minor or slight injuries.
- NOTE!** This instruction describes a potentially harmful situation that could result in property damage to the inspection system or other objects.

Further instructions



Information

This symbol indicates notes that are important for the efficient use of the system and make it easier for you to operate it.



Disposal

This symbol indicates that the product and its components must be disposed of properly and in accordance with regulations. The operator of the product is responsible for its proper disposal!

Product safety

The **JetScan 2.1** pressure-flush camera is built in accordance with the current state of the art and recognized safety standards. Nevertheless, its use may pose a risk to the life and limb of the operator or third parties, or may result in damage to the pressure-flush camera or other property.

The inspection system, when used in combination with the **JetScan 2.1 ControlUnit** and powered by a rechargeable battery, meets the IP68 protection rating.

The manufacturer is not liable for damage caused by factors not covered by the IP68 protection rating.

The USB-C port on the back of the camera should always be closed, except when charging the device. The camera can only be connected to a tablet, iPad, or PC via Wi-Fi. The pressure-flush camera may only be used if:

- it is in perfect working order,
- it is used as intended,
- the operator has the necessary safety and risk awareness,
- the instructions in this user manual are followed,
- in addition to the complete documentation, the legal or other safety and accident prevention regulations as well as the applicable standards and guidelines of the respective country of operation are observed.

Intended use

The **JetScan 2.1** sewer inspection camera system is intended exclusively for the inspection and flushing of sewer and industrial pipes.

Intended use includes, in particular:

- cleaning work inside pipes,
- removal of deposits,
- preparatory work for rehabilitation measures,
- use in pipes with a diameter of 200–500 mm. The camera system can also be used in larger pipes. In these applications, the built-in lighting may not be sufficient.

Any use beyond or contrary to these instructions is considered improper.

The manufacturer assumes no liability for any resulting damage.

Unauthorized operation

Operation of the system is not permitted:

- during thunderstorms (risk of electric shock)
- in areas at risk of explosion
- when using components that have not been approved
- in outdoor conduit pipes
- in environments with strong electromagnetic fields (EMC), as image distortion or flickering may occur

Improper use may result in serious injury, property damage, or voiding of the warranty.

Obligations of the operator

The operator is required to:

- keep this operating manual available with the **JetScan 2.1**,
- ensure that operating personnel have read and understood the manual in its entirety,
- comply with all legal and operational safety regulations,
- provide regular training to operating personnel,
- and, when operating in potentially explosive atmospheres, use only personnel who have received appropriate training.

Obligations of the staff

The staff is required to:

- read, observe, and comply with this manual and all related documents,
- follow the applicable accident prevention regulations,
- adhere to the operating conditions described in this manual,
- maintain, clean, and service the product

Responsible staff and qualifications

Allow only trained or instructed personnel to operate the **JetScan 2.1** pressure-flush camera. Assign responsibilities according to the personnel's qualifications. This manual contains all the necessary information for:

- Installation
- Operation
- Maintenance
- Troubleshooting

The operating instructions are an integral part of the system and must be available at the site of operation at all times.

Operation site

- Please note that the maximum permissible relative humidity during operation and storage is 100%.
- Ambient temperature range: 0 °C to +40 °C
- Storage temperature range: –10 °C to +50 °C

Power supply voltage requirements

- Mains voltage tolerance: $\pm 10\%$ for AC power supply 100 V to 240 V
- Overvoltage category: 2
- Degree of pollution: 4 (outdoor use)
- Suitable for indoor and outdoor use

General safety instructions

Before each startup, ensure that:

- the system is in perfect working order,
- all safety devices are in working order,
- only tools and accessories approved by the manufacturer are used,
- the system is used only for its intended purpose,
- the operator has sufficient awareness of safety and hazards,
- all legal and company safety and accident prevention regulations are observed.

Personal protective equipment

To ensure the safe operation of the **JetScan 2.1** sewer inspection camera system, it is mandatory to wear the required personal protective equipment (PPE) and to follow the safety precautions at the work site.



Work clothing

Closed-toe and form-fitting to protect against injuries and hazardous substances.



Safety shoes

Non-slip and waterproof; protect against impacts and falling objects.



Gloves

Protect against injuries and hazardous substances.



Safety helmet

Protects the head from falling objects and impacts.

Important warnings and safety instructions

Please read the safety precautions thoroughly and follow them carefully. They are intended to ensure your own safety, the safety of others, and to prevent damage to the **JetScan 2.1** sewer inspection camera system and its components.



INFORMATION

The manufacturer is not liable for damages resulting from failure to follow the instructions in the complete documentation.



DANGER!

Risk of explosion.

- Do not use the sewer inspection camera system in pipes that contain or have contained explosive substances, such as gas or solvents.
- For this application, contact your contract partner to obtain information on appropriately designed system components.



WARNING!

Danger from lightning strikes.

- Never use the device during a thunderstorm or near thunderstorm activity.
- Stop working immediately and seek shelter



WARNING!

Unauthorized use by children, untrained personnel, or persons with limited physical abilities may result in injury, misuse, or damage to the equipment.

- This product may only be operated by trained, authorized personnel.
- Keep out of reach of children.



WARNING!

Hazard due to an unsecured work area.

Unauthorized access or accidental entry into the work area during sewer inspection work can result in falls or accidents that may endanger third parties or cause property damage.

- Cordon off the work area before and during sewer work. After completion, remove all barriers and leave the work site in an orderly and safe condition.

**WARNING!****Danger from heavy loads.**

Improper handling or slippage of heavy loads can result in serious injury or death.

- Move robots or heavy components only with suitable lifting equipment or with sufficient personnel.
- People must not stand under suspended loads (e.g., in a manhole).
- When using cranes or hoists, ensure that no one is under the load.

Electrical safety

**DANGER!****Risk of death from electric shock.**

- If the housing is damaged, the IP rating is compromised. Water ingress creates a risk of electric shock.
- If you notice any damage to the camera (on the front housing or the rear cover), do not connect the device to the power supply. In this case, contact our service team immediately.
- Immediately shut down any system with a damaged housing.
- Ensure that the electrical connection cables are undamaged and cannot be kinked or crushed.
- Covers and parts of the electrical system may only be opened by authorized personnel.
- Extensive maintenance and repair work may only be performed by **iPEK** Customer Service or by persons authorized by **iPEK International**.

Specific hazards

**WARNING!**

Direct exposure to light can cause eye injuries or permanent loss of vision.

- Do not look directly into the light emitted by the lighting units.

**WARNING!**

Risk of infection and contamination of fresh water.

- Never use the sewer inspection camera system interchangeably for work in wastewater and fresh water!
 - Even thorough cleaning of the system does not guarantee adequate protection against contamination.
- Use a separate sewer inspection camera system for work in wastewater and fresh water, respectively.
 - Pathogens can lead to infection.
- All employees involved in the work must be informed of the hazards and instructed on the necessary protective measures.

**CAUTION!**

Risk of burns!

The JetScan 2.1 Camera can become hot during operation. Touching the camera may result in skin burns.

- Be sure to wear appropriate safety equipment (protective gloves) when working on the camera!

**CAUTION!**

Risk of injury from overpressure or pressurized components (up to 2 bar).

- Fill the system with nitrogen as intended.
- Do not exceed the maximum pressure of 2 bar.
- Check for leaks and ensure all connections are secure before commissioning.
- Before opening or loosening connections, completely depressurize the system.
- Release pressure in a controlled manner.
- Wear appropriate protective equipment (helmet, safety goggles, gloves, safety shoes).

Working in manholes and sewers

**WARNING!****Risk of falling due to open manholes and channels.**

- Secure manholes and openings.
- Use appropriate fall protection.
- Clearly mark and cordon off the work area.

**WARNING!****Working alone poses a risk to life.**

- Never work alone.
- Ensure communication within the work team.
- Maintain constant visual contact and/or auditory contact:
 - Clear commands, hand signals, and emergency signals.

Cleaning and damage prevention



CAUTION!

Electrical voltage during charging

There is a risk of electric shock when the charger is connected.

- Disconnect the device from the charger and turn it off before cleaning.
- *Follow the Important warnings and safety instructions on page 14.*



WARNING!

Risk of infection due to improper cleaning

- Only authorized personnel may perform cleaning tasks.
- Use only a clean and hygienically sound system to significantly reduce the risk of contamination.
- Wear appropriate protective gloves during all cleaning tasks to avoid direct contact with potentially infectious material.

To ensure the longest possible service life for your **JetScan 2.1** system, it is highly recommended that you properly maintain the system's devices and individual components, keep them clean, and perform regular maintenance. The system's wear parts can achieve a significantly longer service life through consistent and proper cleaning following inspections. Please also note that the risk of infection for the operator is significantly reduced when you use a clean system.

Here we have listed some tips on care and maintenance for you. Please note that proper care not only ensures greater reliability and enjoyment for you, but also simplifies and shortens maintenance work performed by your service dealer.

- Keep the entire system clean and clean it immediately after each inspection.
- Thoroughly rinse the parts of your system that came into contact with moisture during the inspection, and then dry them with a clean, dry cloth.
- Always keep all components that are not expressly designed for use in humid environments dry and free of dirt!
- Clean the camera and flushing nozzle with a soft, damp cloth.
- Do not clean with pressurized water.
- Keep all connectors and contacts dry and free of grease and dirt.
- Make sure that the pressure-flush nozzle is thoroughly cleaned after inspection.
- Replace the protective caps on the connectors. Clean the sockets and connectors only with a suitable electronic contact cleaner.
- Use only running, clean water and soft plastic brushes (e.g., a toothbrush) to clean the camera heads.
- After mechanical cleaning, all components that have come into contact with wastewater must be disinfected.
- To do this, use a disinfectant that is compatible with the materials and approved by the manufacturer.
- Completely wet the surfaces, observe the specified contact time, and then allow them to dry.

- Under no circumstances should liquid be allowed to enter the camera heads, motors, or connectors.

**NOTICE!**

Significant damage to the spray nozzle/pressure spray nozzle and other components

- Never use a high-pressure washer when cleaning.
- Do not use cleaning agents or solvents when cleaning; use only clean water.

Damage prevention

Please follow these instructions to prevent damage to your sewer inspection system.

Storage and use

- Under no circumstances should you use or store the system outside the permissible temperature range.

JetScan 2.1 system

- Avoid subjecting the front of the camera and the protective glass of the camera module to hard impacts.
- Never kink the system's flushing hose, and prevent loops or knots from forming.
- Keep the operating software up to date by installing the latest updates.
- Routinely export your inspection data to a storage device or save the data to your tablet or iPad.
- Make sure the charging port is properly covered.

Sending system components

If necessary repairs to system components go beyond the procedures described in this user manual, send the component to your **ipek** service partner. You can find all of our service partners in the "Customer service addresses" chapter.

Please note the following points:

- Ensure that the adjustment unit used to secure the camera to the cleaning nozzle is set correctly.
- Cover any plug or screw connections with protective caps or tape them shut.
- Clean the component carefully.
- Ship the component in its original packaging if possible.
- Include a detailed description of the problem.

Technical support

Your **ipek** service partner will always provide you with detailed support for any questions you may have.

Don't hesitate to contact your service partner, even if you think you only have a minor question—they will be happy to help you in any case.

👉 You can find all of our service partners in the “Customer service addresses” section.

Maintenance and repair

General maintenance

- The camera head is maintenance-free. Make sure that all screw threads and connections are free of dirt.
- Routinely perform a visual inspection of all external screws and O-rings.
- Regularly check the pressure level on the control panel. If the pressure drops below 1 bar, refill the camera accordingly.

Product description

Fields of application

The **JetScan 2.1** pressure-flushing camera is used for visual monitoring and documentation during high-pressure flushing of pipelines.

The inspection range depends on the flushing vehicle. When the camera is inserted into the mount, the connection between the tablet and **JetScan 2.1** is automatically interrupted. However, video recording continues in the background, ensuring that the entire flushing process is fully documented. The inspection data is stored in the camera and can be played back when the camera is turned off or removed. Data can be transferred to the control panel via Wi-Fi or the USB-C interface. The data can be downloaded to a tablet or iPad for further processing or archiving for documentation purposes.

The **JetScan 2.1** system, when operated on battery power (with the **JetScan 2.1 ControlUnit** control panel), meets the IP68 protection rating.



DANGER!

Fire hazard due to short circuit!

- When the **JetScan 2.1** is not in use, the system must be turned off to prevent short circuits.



INFORMATION

To achieve IP protection class 68, the system must be powered by rechargeable batteries, and the battery compartment covers must be closed.

Battery life

Battery life: 5 to 6 hours, depending on various factors:

- Brightness settings of the **JetScan 2.1**'s lighting components
- Operating time
- Environmental conditions

Further information

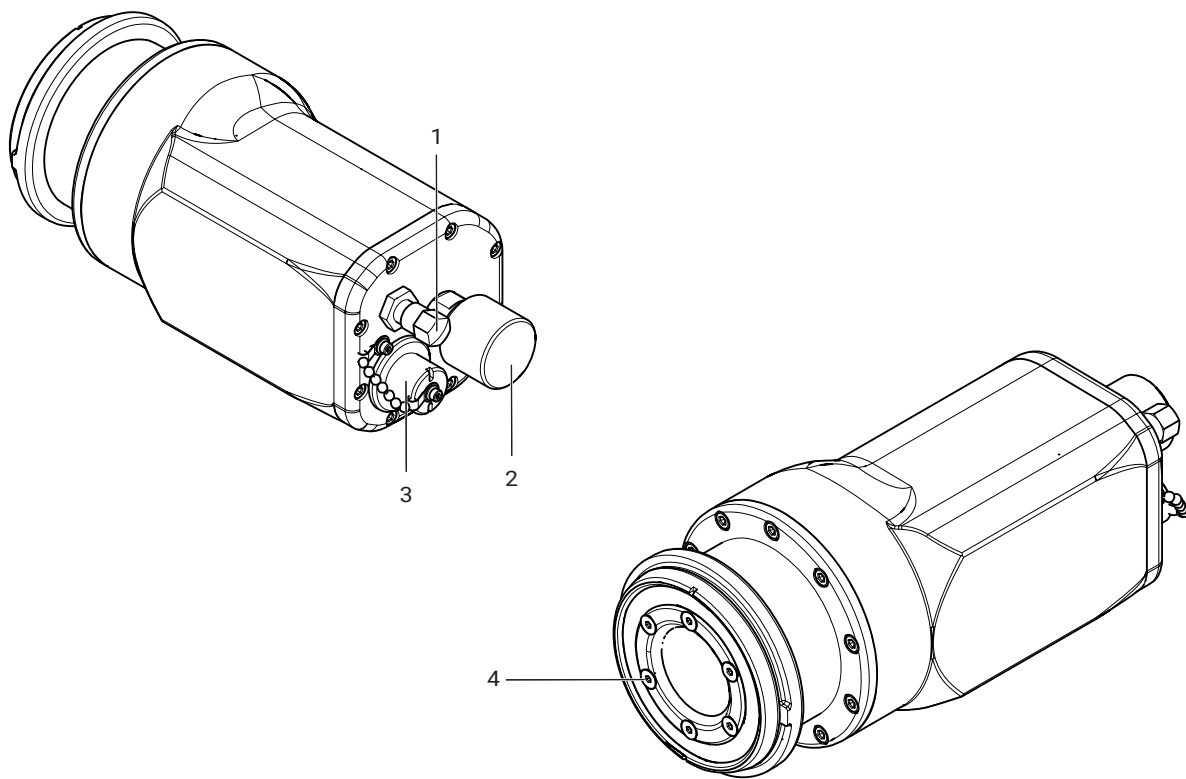
- Be sure to turn off the **JetScan 2.1 ControlUnit** (tablet) when not in use.
- The standby mode of the **JetScan 2.1 ControlUnit** causes the battery to discharge.
- If you remove the USB flash drive from the port, put the protective cover back on to protect the port from dirt and water.
- Please refer to the "System configuration" section on page 22.

System configuration

The high-pressure flushing inspection system consists of the following main components:

- Flushing camera (**JetScan 2.1 Camera**)
- Flushing hose (**JetScan 2.1 CableReel**)
- SewerLink app + tablet (**JetScan 2.1 ControlUnit**)

JetScan 2.1 Camera



- 1 Pressure valve
2 USB-C port

- 3 Adjustment unit
4 Camera module and LED ring

Installation and commissioning

The initial commissioning of the **JetScan 2.1** sewer inspection camera will take place as part of a thorough training session for the operating personnel.

Visual inspection

Before each inspection, visually inspect the components for damage or contamination. Do not use damaged or contaminated components.

- Refer to the section „Important warnings and safety instructions“ on page 14.

Turning on **JetScan 2.1**

- Place a magnet on the power button at the top of the camera for a few seconds.
- Wait until the camera's blue LED starts to flash.
- Remove the magnet from the button immediately after the LED starts flashing.



INFORMATION

Do not hold the magnet against the button any longer than necessary. Prolonged contact may cause the system to malfunction.

Connecting to Wi-Fi

- Wait a few seconds until the camera has fully started up.
- Open the Wi-Fi settings on your device.
- Look for your camera's serial number in the list of available networks.
- Select the network and enter the corresponding password.

Shutting down **JetScan 2.1**

Regular shutdown

Turn off the **JetScan 2.1** using your SewerLink app by shutting down the system.

Battery / Mains operation

Battery operation

**DANGER!****Risk of fatal electric shock!**

- Never touch exposed electrical contacts or damaged wires.

**INFORMATION**

The battery charges when the system is connected to AC power.

Mains operation

**WARNING!****Risk of electric shock!**

- Connect the power adapter only to the designated outlet.
- Do not use damaged power adapters.
- Use only the original power adapter provided.

**NOTE****Risk of system damage and data loss!**

Make sure the system is switched to battery power before unplugging the power cord.

Charging the battery

**DANGER!****Risk of fatal injury from electric shock!**

Water or dirt entering a charger increases the risk of electric shock.

Damaged chargers, cables, and plugs increase the risk of electric shock.

- Keep the charger away from rain or moisture!
- Keep the charger clean!
- Check the charger, cable, and plug before each use!
- Do not use the charger if you notice any damage!
- Do not open the charger yourself; have it repaired only by qualified personnel and only with original spare parts!

**DANGER!****Risk of explosion due to overheating!**

- Protect the device from heat, including, for example, prolonged exposure to direct sunlight and fire!

**DANGER!****Fire hazard!**

- Do not operate the charger on highly flammable surfaces (e.g., paper, textiles, etc.) or in a flammable environment! The charger heats up during charging, posing a fire hazard.

**WARNING!****Risk of chemical burns due to damage to the product!**

If the battery is damaged or used improperly, vapors may be released.

- Ensure adequate ventilation and seek medical attention if you experience any symptoms! The vapors may irritate the respiratory tract.
- Open the USB-C charging port on the back of the camera.
- Connect the USB-C charging cable to the camera's charging port.
- Plug the other end of the USB-C cable into the USB-C charger.
- Plug the charger into a suitable power outlet.
- Wait until charging is complete.

Charging time

It takes about 1 hour to fully charge the battery from 0 % to 100 %.

**NOTE**

Be sure to close the USB-C charging port completely after charging to protect the camera from dust and moisture.

Charge the camera fully before using it for the first time. A green LED indicates that the battery is fully charged.

Application notes

The charger may become warm during continuous charging cycles or multiple consecutive charging cycles without interruption. This is normal and does not indicate a technical defect in the device.

A significantly reduced operating time after charging indicates that the batteries are worn out and need to be replaced.

Transportation

The battery has been tested in accordance with UN Manual ST/SG/AC.10/11/Rev.3, Part III, Subsection 38.3. It features effective protection against internal overpressure and short circuits, as well as mechanisms to prevent violent rupture and dangerous reverse current.

The lithium equivalent content of the battery is below the applicable limits. Therefore, the battery is not subject to national dangerous goods regulations, either as a single item or when installed in a device. However, dangerous goods regulations may apply when transporting multiple batteries. In this case, it may be necessary to comply with specific requirements (e.g., regarding packaging).

Maintenance and cleaning

The unit is maintenance-free. Always keep the unit and ventilation slots clear and clean. If the unit should ever malfunction despite careful manufacturing and testing procedures, have it repaired by an authorized service center.

For all inquiries and spare parts orders, please be sure to provide the part number as indicated on the charger's nameplate.

Disposal

Chargers, accessories, and packaging should be recycled in an environmentally responsible manner.

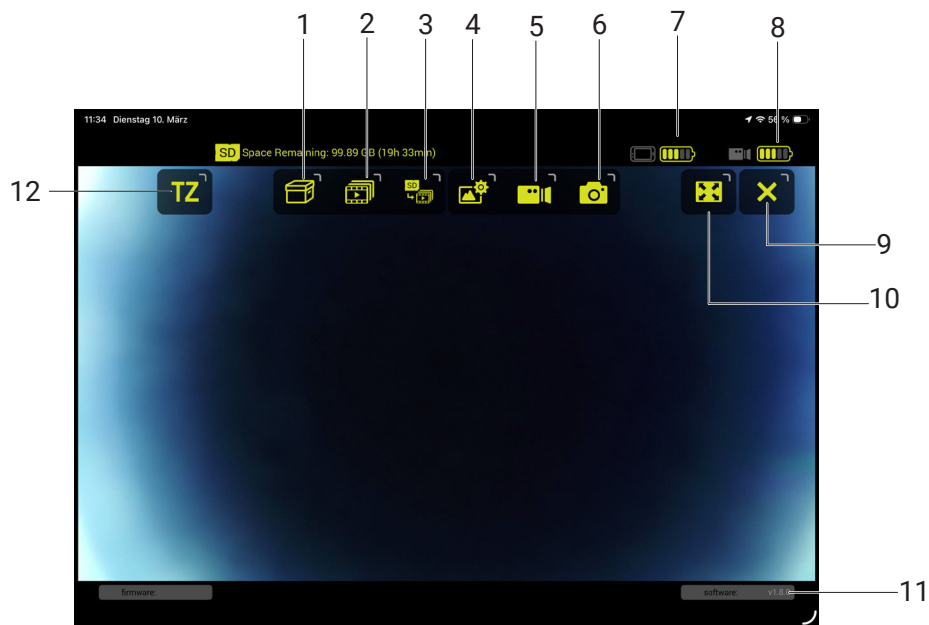


Do not dispose of chargers in household trash!

In accordance with European Directive 2012/19/EU on Waste Electrical and Electronic Equipment and its implementation into national law, chargers that are no longer usable must be collected separately and recycled in an environmentally sound manner.

Working with the *JetScan 2.1* app

Main inspection view

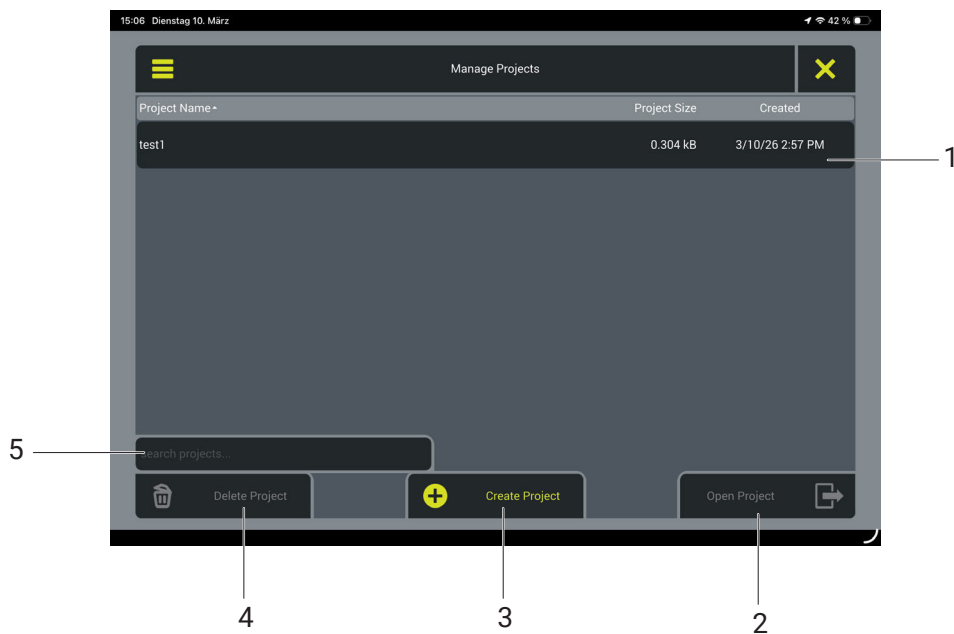


- | | |
|------------------------------|----------------------------------|
| 1 Project management | 7 Tablet / iPad battery |
| 2 Project gallery | 8 Camera battery |
| 3 Camera videos | 9 Turn off camera |
| 4 Resolution | 10 Full screen / hide/show icons |
| 5 Start/Stop video recording | 11 Software version |
| 6 Screen recording | 12 Time zone |

Project management

Here you can

- open,
- create,
- delete,
- search for,
- and rename projects.



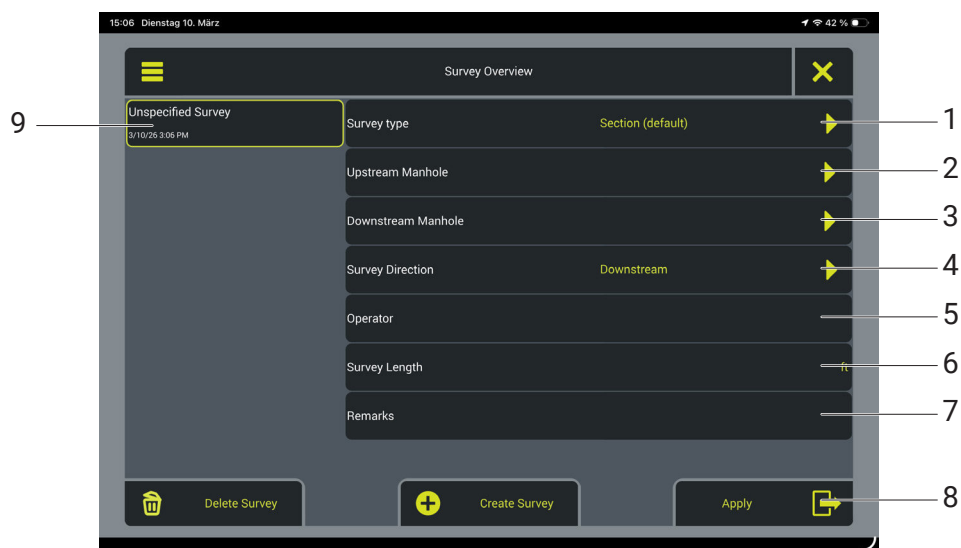
- 1 Project list
- 2 Open project
- 3 Create project

- 4 Delete project
- 5 Search for project

Project gallery

In the project gallery, you can create, manage, and select inspections and surveys. The following input options are available for each inspection:

- Inspection type
- Inspection direction (upstream or downstream)
- Manhole flow direction
- Operator name
- Inspection length
- Optional comments

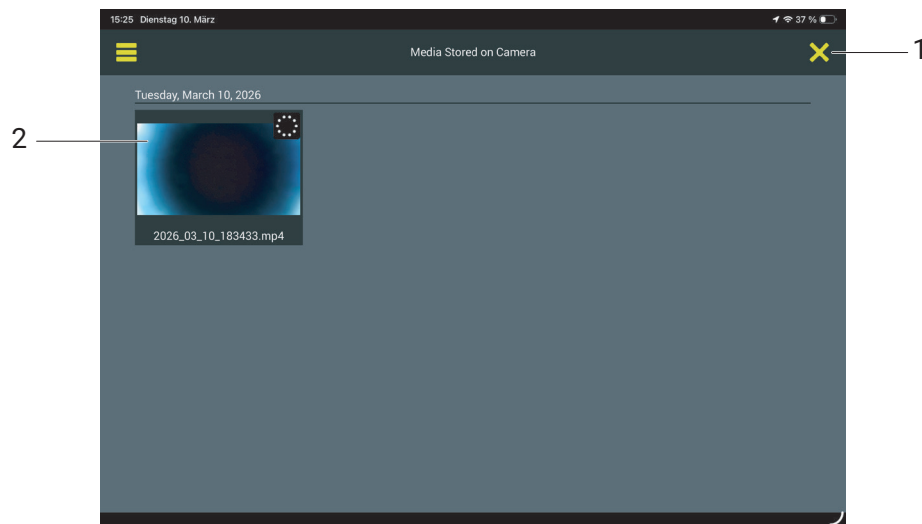


- 1 Inspection type
- 2 Upper manhole
- 3 Lower manhole
- 4 Inspection direction (upstream / downstream)

- 5 Operator name
- 6 Inspection length
- 7 Remarks
- 8 Back
- 9 Active project

Camera videos

You can play back the recordings as soon as the connection to the tablet is established. Videos can then either be deleted or saved to the tablet.



1 Closing the camera video menu

2 Tap to play the video, or press and hold to select, download, or delete the video

Resolution

You can select from the following video resolutions:

- 720p
- 1080p
- 1440p

Record / Pause / Stop

These control functions allow you to start, pause, or stop video recording.

Screenshot

You can use the screenshot function to take screenshots as long as there is an active live connection to the camera.

Full screen / show/hide icons

This feature allows you to show or hide the display options. This does not affect video recording; it continues uninterrupted.

Camera and tablet battery

The two icons display the current charge level of the tablet and camera in real time.

Camera on/off

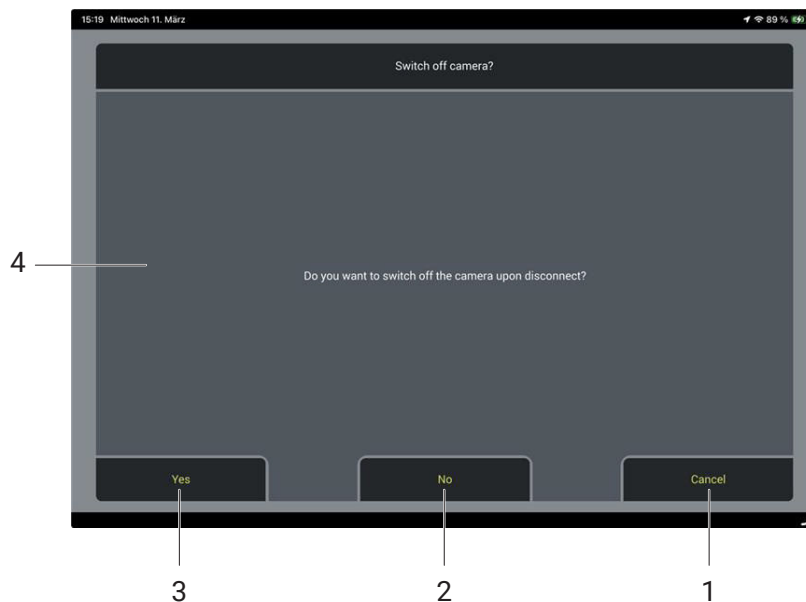
Here, you can disconnect the SewerLink app from the camera.

The camera itself remains on, and any recording in progress will not be interrupted.



NOTE!

The camera can only be turned off using the app.



- 1 Cancel action
- 2 Do not turn off camera

- 3 Turn off camera
- 4 Confirmation dialog

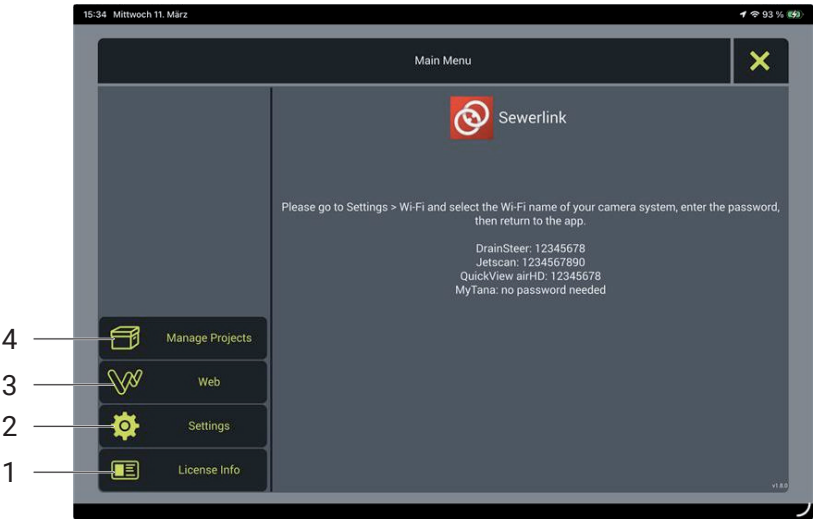
Software version

Displays the currently installed version of your software.

Time zone

Adjusts the app settings to match the time zone of your current location.

Main menu



- 1

License information
- 2

Settings
- 3

Open WinCan Web
- 4

Project management

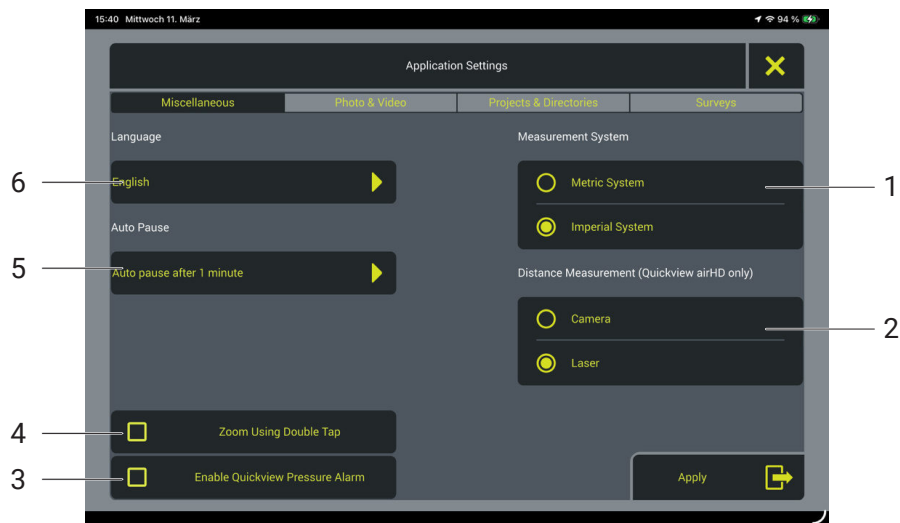
License information

Displays information about the licenses for the software being used.



Settings

Miscellaneous



- | | |
|---------------------------------------|---------------------------------------|
| 1 Select measurement system | 4 Feature available only in QuickView |
| 2 Feature available only in QuickView | 5 Feature currently unavailable |
| 3 Feature available only in QuickView | 6 Select language |

Select Language

Select the desired display language for the application.

Feature currently unavailable

This option is currently disabled.

Feature available only in QuickView

This setting can only be used in QuickView mode.

Feature available only in QuickView

This setting can only be used in QuickView mode.

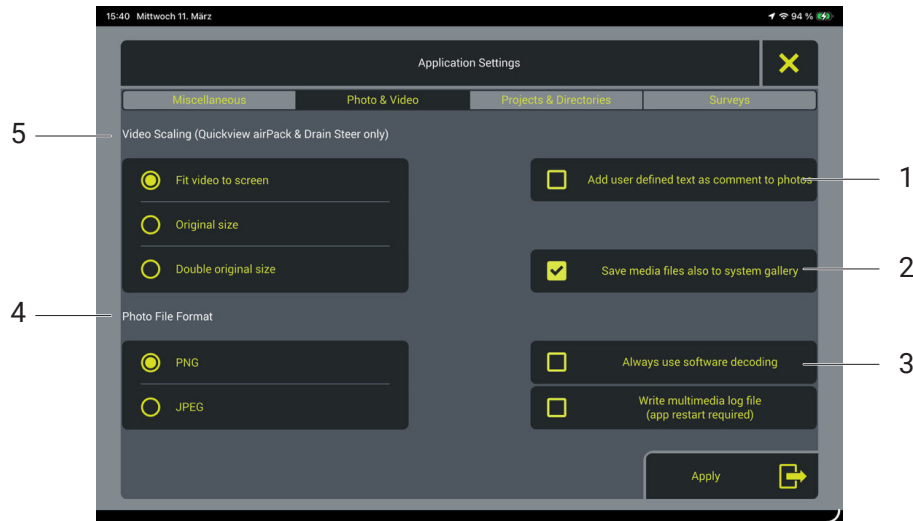
Select measurement system

Specify which measurement system should be used.

Feature available only in QuickView

This setting can only be used in QuickView mode.

Photo and video



- | | |
|---|-----------------------|
| 1 Add comments | 4 Select image format |
| 2 Save media data | 5 Video scaling |
| 3 This feature is currently unavailable | |

Add comments

Add predefined text as comments to photos you've taken.

Save media

Save media files to your device's system gallery as well.

Feature currently unavailable

This option is not currently available and will be enabled in a future version.

Select image format

Choose between the supported image formats: PNG or JPEG.

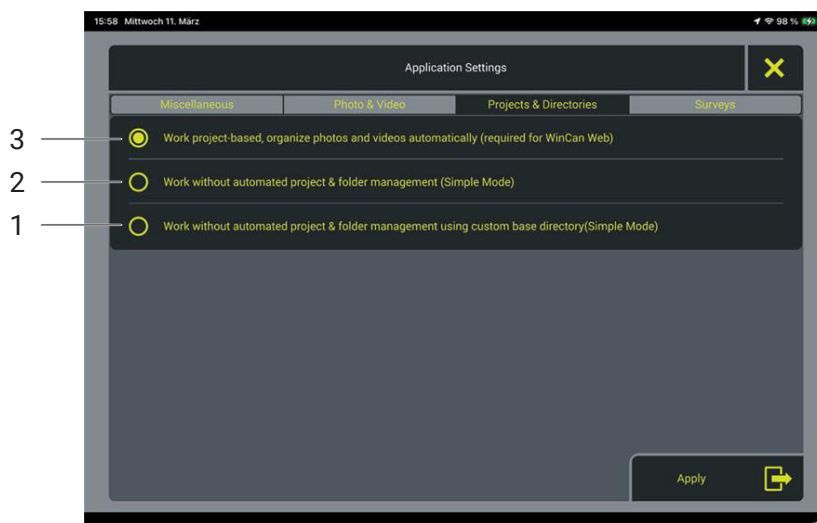
Video scaling

This setting can only be used in QuickView mode.

Project and folder management

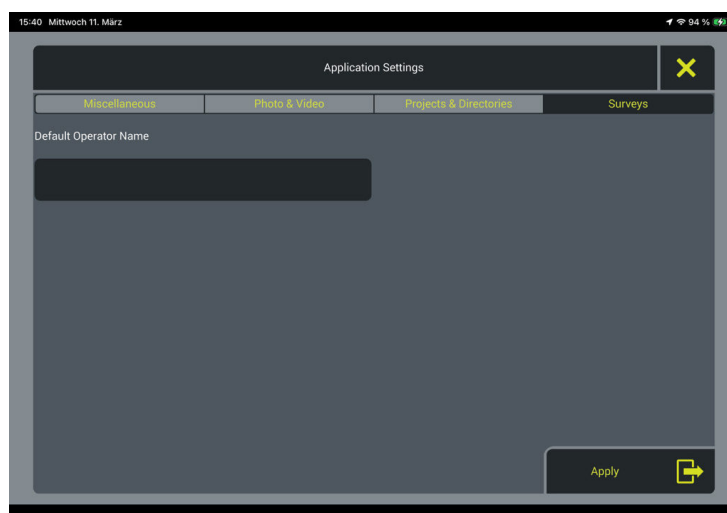
Three working modes are available in the application settings.

- Simple mode with a user-defined base directory (1) also does not include automatic management, but additionally allows you to select your own main storage folder to use custom folder structures.
- Simple mode (2) operates without automatic project and folder management and offers a streamlined, clear working environment.
- Project-based mode (3) automatically organizes projects, photos, and videos and is required for use with WinCan Web.



Surveys

Here you can specify a default operator name that will be used automatically in new surveys (inspections).



Open WinCan Web

**NOTE!**

An active internet connection is required to log in to WinCan Web.

General

If you are using a tablet that can only connect to the internet via Wi-Fi, follow these steps:

- Connect the tablet to the desired Wi-Fi network (Main menu → Wi-Fi connection)
- Open the app (Project management → Open WinCan Web) and continue.
- Enter your username and password, then tap “Log in”.
- If you want to save your login information, check the “Save login” box.
- Follow the instructions on the screen.
 - You can now transfer projects to WinCan Web.

Project management

Create, open, or delete projects

- When creating a new project, you also have the option to create an inspection.

Working with the system

Inserting and securing the camera

- Carefully insert the camera into the skid's mounting frame.
 - Make sure the camera is correctly aligned and not tilted in the mounting frame
- Secure the camera to the skid using the provided mounting device so that it cannot slip during the inspection.

Inserting into the pipe

- Carefully insert the skid with the camera in place into the pipe to be inspected.
 - Take care to avoid obstacles or potential damage in the insertion area.

Starting the JetScan recording

- Start the JetScan recording while the camera is still visible and a stable connection to the tablet is maintained.
 - Make sure the recording is running properly.

High-pressure flushing

- Do not begin high-pressure flushing until the recording has started successfully.

High-pressure flushing and ending the recording

Removing the camera

- Stop the high-pressure flushing once the inspection is complete.
- Carefully pull the **JetScan 2.1** out of the pipe.
- Be careful not to damage the camera while pulling it out.

Ending the recording

- Wait until the connection between the camera and the tablet is restored.
- As soon as the live image appears on the tablet, stop recording in the JetScan software.
- The saved recording will then be available for playback under “Play camera video.”

Reviewing and saving the recording

- Check the condition of the line using the recorded video.
- If you are satisfied with the quality of the recording, save the video to your tablet.
- Then turn off the camera.



INFORMATION

- If the connection between the camera and the app is not immediately restored and the live video does not appear right away, open your device’s Wi-Fi settings again. Select the camera again, and then restart the app.

Technical data

JetScan 2.1	
Scope of application	DN 50 to DN 300 40 mm HD camera, self-leveling
Cable length	60 meters
Material	Steel (powder-coated)
Dimensions*	420 x 690 x 1250 mm
Weight	34 kg
Meter counter	Yes
Reel brake	Yes, adjustable
Control unit interface	1xLAN, 1xUSB, 1xW-LAN
External power supply	Yes
Wireless standard	Wi-Fi 2.4 GHz
Voltage	110 – 230 VAC
Control unit battery replacement	No
Battery life**	Approx. 6 hours
Battery capacity	20,000 mAh/battery
Operating temperature range	0 °C to 40 °C
Storage temperature range***	-10 °C to 50 °C
Camera protection class	IP 68
Compatible with	– WinCanWeb (data transfer via browser)
	– Reporting in WinCanWeb / WinCanVX possible

Includes push rod; camera, batteries, control panel, and trolley not included. **Battery life depends on the controller and camera used, as well as environmental conditions. *Batteries not included*

End-of-life equipment return

The device supplied to you by **iPEK** is subject to the provisions of European Directive 2012/19/EU and the corresponding transpositions into the laws of EU member states (in Germany: ElektroG3). This allows you to return the device at the end of its service life for proper disposal and recycling.

This results in the following regulations for disposal at the end of the device's service life:

- This device must not be disposed of with unsorted commercial waste.
- This device contains a built-in battery that cannot be removed by the end user. Proper removal and recycling are carried out by authorized waste management companies in accordance with applicable laws.
- The user is responsible for deleting any personal data that may be stored on the device.
- Under the WEEE Directive, this device is classified as a “device used exclusively for commercial purposes” and must not be disposed of at municipal collection points along with consumer appliances such as washing machines, VCRs, or standard PCs.
- For information on disposal, please contact iPEK directly (or your local sales partner).
- Disposal outside Germany: Dispose of this device properly and in accordance with applicable regulations and laws.



The WEEE symbol – a crossed-out trash can – on your device indicates that it is a WEEE-regulated item that must be disposed of separately. While this symbol is not strictly required in EU countries such as Germany for devices used exclusively for commercial purposes, **iPEK** uses it consistently throughout Europe. The symbol does not mean that the device should be returned to municipal collection points!

Warranty statement

Congratulations on the purchase of your new **ipek** sewer inspection system. Our equipment is the result of many years of experience and continuous development.

Meticulous craftsmanship and quality control are key priorities at our company. Should any defects nevertheless arise – which, of course, can never be completely ruled out – our generous warranty provides you with a high degree of assurance.

Please keep in mind, however, that even the best product can only function properly and reliably over the long term if it is properly maintained and operated.

Scope of warranty

We provide a twelve-month warranty for the product you purchased from **ipek International GmbH**, which was manufactured and tested in accordance with our production and quality guidelines.

Any defects that can be proven to be due to material and/or manufacturing defects will be remedied by us free of charge during the warranty period. We reserve the right, at our sole discretion, to repair the device, replace it entirely or replace the defective parts, or reimburse you for the remaining value if repair or replacement is not possible.

Warranty terms and conditions

Opening the devices or the control electronics in any way is prohibited without the manufacturer's consent. Failure to comply with this provision will void all warranty claims.

The warranty period begins on the date of delivery.

Damage resulting from improper use of the equipment, lack of maintenance, normal wear and tear, and force majeure (lightning, fire, frost) is excluded from the warranty.

Furthermore, the warranty does not cover wear-and-tear parts such as front lenses, shaft seals, lamps, cables, etc., nor does it cover damage that does not impair the equipment's functionality.

If you wish to make a warranty claim, please contact us, the dealer, or the nearest service center, presenting the original invoice.

Limitations of liability

Our liability under the above terms and conditions is limited exclusively to repair, replacement, or refund.

iPEK is not liable for consequential or incidental damages that may arise in connection with the sale or operation of the product. This also applies to consequential damages that can be classified as commercial losses, such as loss of profits, downtime, damage to reputation, as well as damage to equipment and/or property.

We wish you every success and enjoyment in working with your new **iPEK** sewer inspection system! Please feel free to contact us with any questions. We welcome your suggestions for improvements and other feedback!

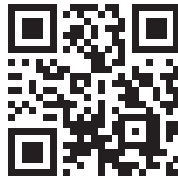
iPEK International GmbH
Sulzberg, June 2026

EC Declaration of Conformity

This product complies with applicable EU directives and relevant harmonized standards. The complete EC Declaration of Conformity is available from the manufacturer.

Customer service addresses

You can find all customer service addresses on the following website.



<https://ipek.at/partners>

Legal notice

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Version 4 EN

Replaces all previous versions

June 2026

FCC Statement

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



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