



BEDIENUNGSANLEITUNG - OPERATING INSTRUCTIONS - NOTICE D'UTILISATION



512.4600

-  **COMPETITION HD-Videoskop-Satz, Ø 6,0 mm, 180° und 0° HD Frontkamera-Sonde, flexible PVC Hülle**
-  **Vidéoscope COMPETITION HD avec sonde de caméra frontale flexible 180° et 0° Ø 6,0 mm**
-  **COMPETITION HD videoscope set with 6.0 mm diameter 180° and 0° HD front camera probe, flexible PVC cover**

DE/TTE/NST/21-01-2026

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Dear customer!

We are very pleased that you decided to purchase this product from KS Tools. Thank you for your confidence in us. You can find all the information you need in these operating instructions. Please read the instructions completely with care and observe the advice given. The operating instruction is part of the item and should be kept intact.

If you have any uncertainties or further questions, please contact: customerservice@kstools.com

The manufacturer is not liable for personal injuries and material damages which result from improper use.

This is a portable digital video multi-functional endoscope.

With its 3.5-inch full-screen IPS display, high-resolution digital image sensor, and HD front-end camera equipped with 6 white LED lights with adjustable brightness, imaging is even clearer.

The modern design makes the HD front-end camera even smaller. With the photo/video recording function, you can record and save the image data. The zoom/rotate functions allow you to locate the key positions correctly.

The ergonomic design allows for one-hand operation. The user-friendly interface and simple button icons enable quick operation.

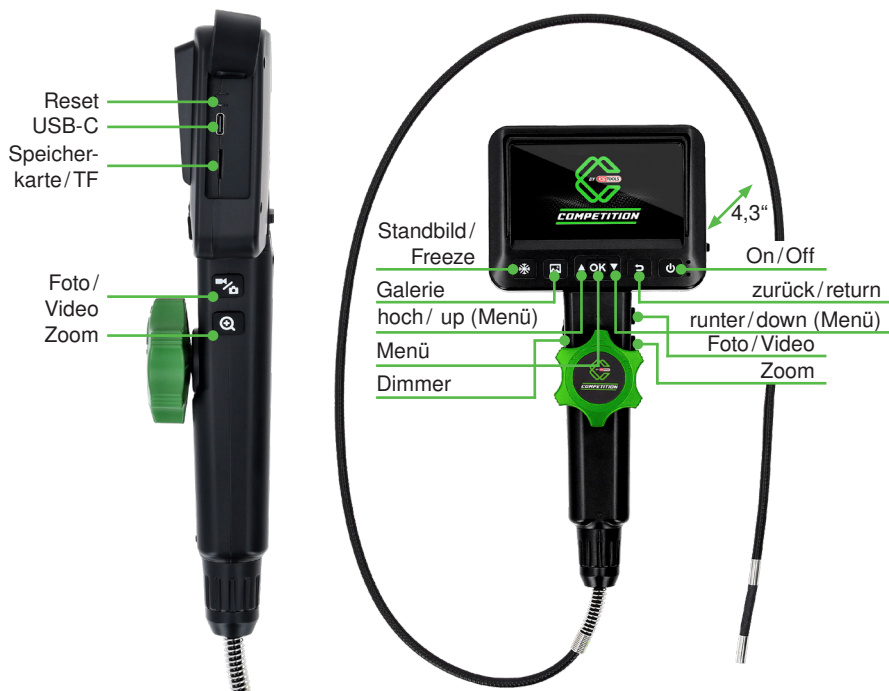
2.1 Technical data hand-held device

Screen	4.3"
Image storage format	JPEG
Video format	AVI
Storage medium	microSD
Operating duration	approx. 150 minutes
Rechargeable battery	3000 mAh
Battery technology	Lithium polymer
Connection	USB 2.0

Operating temperature	-10°C up to + 60°C
Bend radius	3 cm
Protection class	IP67
Camera resolution	1920 (H) x 1080 (V)
Viewing direction	85°
Focused depth of field	2 ~ 8 cm
Resistance	Oil-resistant
Light source	6 dimmable white mini-LEDs

If it is damaged, please do not disassemble it yourself. Contact the dealer, or the after-sales service of KS Tools.

IP67 waterproof	180° rotation	Angled tube	Highly clear recording
High capacity battery	HD resolution	HD screen	LED lighting



- Press and hold the On/Off key to turn the device on.
- Adjust the brightness of the LED illumination to achieve better imaging. There are three brightness levels.
- Up/Down key serves as zoom key or as navigation key in the menu
- Rotation: can be used to rotate the image in the display 180 degrees.
- Record key: Press the key briefly to take a picture. Give the key a long press to start video recording. Press this key again to stop the recording. TF (micro SD) card memory maximum 64 GB.
- OK key: In the preview, press the OK key to enter the system settings. When viewing the file, press OK to display the detailed information of the file.
- ESC key: Press the ESC key in the preview to go to the saved files. Otherwise, press ESC to exit the process

Instruction:

In the preview screen, press the OK key to enter the menu. In the menu, you can make adjustments to the system. In the system settings, press the OK key to confirm. To navigate in the menu, press the Up/Down key. Pressing the ESC key takes you back to the preview screen.

Diagram illustrating the cable's dimensions and bend capability. The cable has an outer diameter of 6 mm and a length of 25 mm for the bendable section. The diagram shows the cable bending at 180°.



Faulty or defective spare parts can cause damage.

6.1 How can I get the data from the TF card onto the computer?

6.2 Why is “not enough memory” displayed for a new TF card?

6.3 How do you know the battery is fully charged?

When the videoscope is switched off: Connect the USB cable. The function LED lights up red. The LED goes out when the battery is full.

6.4 Is the image unclear?

The focal length is 3 – 8 cm. In this range, the image is clear.



6.5 Does the whole device have IP67 protection (waterproof)?

The basic device is not waterproof. The camera probe is protected against temporary submersion.

7. Checks

All tools must be checked for damage.

8. Disposal

The tool must be disposed of or recycled in accordance with the legislation of the respective country.

9. Warranty and service

The KS Tools Werkzeuge und Maschinen GmbH guarantee applies for all tools that are used under normal usage conditions.

The following are excluded from the guarantee:

- **Consumables** e.g. any type of cutting tools, cutting inserts and disks, cutting and scraping tools, brooms, brushes, files, batteries, bits or bit sockets, rotor blades in pneumatic devices, isolators on heating coils, any type of fuses, carbon brushes, etc.
- **Faulty functioning** of parts that show usage-related or other natural wear and tear, as well as tool defects that can be traced back to usage-related or other natural wear and tear.
- **Defects** in the tool that can be traced back to a failure to observe the operating instructions, improper use, use under abnormal environmental conditions or unsuitable operating conditions, overloading or improper maintenance.
Also defects in tools caused by the use of accessory parts or other parts that are not KS Tools original parts.
- Tools which have been modified or equipped with additions.
- Minor deviations from the intended quality that are however insignificant for the value and suitability for use of the tool.

The guarantee period is 12 months in cases of industrial or equal use.

The guarantee period starts on the date of purchase by the commercial end customer. The date of the original purchase receipt is decisive. For technical products with limited guarantee types A, B and C, the user must principally submit the purchase receipt in addition to the serial number of the device, if present.

The guarantee applies under consideration of the guarantee type for the duration specified in the price list valid on the day the product was purchase.

If no guarantee claim exists for the product (expiration of the guarantee time, guarantee exclusion for the reasons listed in Sec. 2) but the repair is still possible, this will only be carried out following approval of the cost estimate by the user.