



VTecX

THE INSPECTION **X**-PERT



State-of-the-art technology for conclusive inspections



The new VTec X - MORE FOR LESS

The VTec X offers you everything you need for less than you think.

The VTec X videoscope from NDTec has been designed to meet the specific demands of rugged industrial use. Razor-sharp images, easy handling, mobility and an unbeatable price-equipment ratio make the VTec X an all-rounder for multiple inspections.

Know-how that provides safety

NDTec combines specialists with many years of experience in non-destructive material testing. We rely on first-class technology and innovation in our product development. The VTec X is an excellent example of this.

Service you can rely on

We possess sound expert knowledge in many areas of application and know what users in many different branches of industry really need. NDTec offers a customized range of products that includes comprehensive services such as leasing equipment, rapid repair service and favorable contract conditions.

BRILLIANT FULL HD LED-DISPLAY

The high-resolution, contrast-rich display can be adjusted to the brightness of the environment.

LARGE TOUCH SCREEN

For intuitive and simple handling.

INTUITIVE AND EASY: JOYSTICK CONTROL

For precise, lag-free probe control, with automated and patented locking brake for steady probe orientation.

HIGH COMPATIBILITY

Slot for SD memory card, USB port for data transmission and HDMI port for image transmission.

COMPATIBLE BATTERY PACK

Suitable for standard batteries.

SHOCKPROOF HOUSING FOR ROBUST INDUSTRIAL USE

Made of wear- and chemical-resistant synthetic material with shock-absorbing buffers.

ROBUST PROBE WITH 4-WAY ARTICULATION

Robust – for challenging inspection areas. With stainless steel probe head and tungsten braiding.

RAZOR-SHARP DETAILS

High-resolution CMOS sensor in HD quality.

BRIGHT AND CLEAR: HIGH-POWER LED LIGHT

High-power LED light source and high-performance fiber optic light guide.



TECHNICAL DATA

Camera technology

CMOS

Illumination

LED or Fiber-optic (available in white-, infrared- or ultraviolet-light)

Screen

Full HD 5.5" touch screen

Power supply

4 rechargeable batteries, Type: 18650-protected; power adapter USB-C automatic or manual

White balance

Image storage

Photo

BMP, JPG, PNG

Video

MPG

Medium

SD card or PC through Micro USB

Articulation

Control

2-/4-way motorized with joystick

Real time with lock function

Explore mode

SD card, USB, HDMI

Connections

Base unit

Protection class

Handset IP54, probe IP67

Ambient temperature

Handset -10°C bis +50°C, probe -20°C bis +70°C

Dimensions

38 cm (L) x 17.5 cm (W) x 13 / 10 cm (H)

Weight

from 1.6 kg, depending on probe

PROBE VERSIONS

Diameter [mm]	Working length						
	1 m	1.5 m	2 m	3 m	5 m	8 m	10 m
2.3 mm	•	•	•				
2.9 mm*	•	•	•				
3.9 mm**	•	•	•	•			
6.1 mm	•	•	•	•	•	•	•

	FN		FM		FF		SN		SM		DM	
	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]
2.3 mm	3 - 50	120										
2.9 mm*	3 - 50	120										
3.9 mm**	3 - 50	70/120	7-80/5-150	110	50 - ∞	60	3-30	70	8 - 150	60		
6.1 mm	3 - 50	90/120	7-80/8-150	(90/100)/110	50 - ∞	60/70					7-80 3-30	(100 90)

FN Forward Near

FM Forward Mid

* Tolerance max. 0.1 mm

Customized performance on request.

FF Forward Far

SN Side Near

** Tolerance max. 0.2 mm

SM Side Mid

DM Dual-Cam Mid

INCLUDED ACCESSORIES

- Transportation case
- Battery charger (with 4 slots)
- Li-ion rechargeable batteries 18650-protected, 4 pieces
- Power adaptor
- SD card incl. USB adapter
- Connection cables: USB-C, micro USB, mini HDMI

Subject to technical changes.

OPTIONAL ACCESSORIES

- Guide Tube Rigid (GTR) with handle
- Dekabon tubing (semiflexible guide tube)
- Centering aid (for centering video probes in tubes)
- „Magic Arm“ (large or small holder)
- Magnetic stand
- Wireless SD card, SD USB reader
- Li-ion rechargeable batteries 18650-protected