NDTec

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.

VTecX
THE INSPECTION X-PERT

SECURITY

PROCESS INDUSTRY

INFRASTRUCTURE

BRILLIANT FULL HD LED-DISPLAY

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

SHOCKPROOF HOUSING FOR ROBUST INDUSTRIAL USE

Made of wear- and chemicalre-sistant synthetic material with shock-absorbing buffers.

LARGE TOUCH SCREEN

For intuitive and simple handling.

ROBUST PROBE WITH 4-WAY ARTICULATION

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

INTUITIVE AND EASY: JOYSTICK CONTROL

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

RAZOR-SHARP DETAILS

High-resolution CMOS sensor in HD quality.

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.

BRIGHT AND CLEAR: HIGH-POWER LED LIGHT

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

VTec X
Videoscope

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
White balance	automatic or manual
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
Connections	SD card, USB, HDMI
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
FF Forward Far
SM Side Mid
FM Forward Mid
SN Side Near
DM Dual-Cam Mid

* Tolerance max. 0.1 mm
** Tolerance max. 0.2 mm

Customized performance on request.

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

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