

V Tec X

THE INSPECTION X-PERT



State-of-the-art technology for conclusive inspections



AVIATION



POWER GENERATION



AUTOMOTIVE ENGINEERING



SECURITY



PROCESS INDUSTRY



INFRASTRUCTURE

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 KARL STORZ 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

KARL STORZ NDTec combines the expertise of two leading companies: KARL STORZ, a global leader in the field of medical endoscopy and NDTec, an experienced specialist in non-destructive testing. First-class technology that has proven its worth in the medical field is used for the industrial sector and further developed in an innovative way.

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. KARL STORZ 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.

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.

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.



360°

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.



TECHNICAL DATA

Camera sensor	CMOS
Light source	LED white light, infrared, ultraviolet
Screen	5.5" 16:9, Full HD, 1920 x 1080px
Power supply	4 rechargeable batteries, type: 18650-protected 3.6/3.7 V; 12 V power adapter, USB-C
White balance	Automatic/manual
Image storage	
Photo	.bmp, .jpg
Video	.avi, mp4
Medium	SD card, SDHC class 2, max. 128 GB
Data transmission	SD card, USB 2.0, wireless (optional)
Articulation	
Range	360°
Control	4-way motorized with joystick
Sensitivity	lock, incremental, normal
Connections	USB-C, micro USB 2.0, HDMI 2.1
Base Unit	
Protection class	Handset IP54, probe IP67
Ambient temperature	Handset -10°C to +50°C, probe -20°C to +80°C
Dimensions	38 cm (L) x 17.5 cm (W) x 13 / 10 cm (H)
Weight	2.1 kg incl. batteries; 8.5 kg including case and standard accessories

PROBE VERSIONS

Diameter	Working length					
	1 m	1.5 m	2 m	3 m	5 m	8 m
2.2 mm	•	•	•			
2.8 mm	•	•	•			
3.9 mm	•	•	•	•		
6.0 mm	•	•	•	•		
6.0 mm DM	•	•	•	•	•	•

	Depth of field DOF (mm)	Probe diameter/Field of view (FOV)			
		2.2 (120°)	2.8 (120°)	3.9 (90°)	6.0 (90°)
FN	3 - 50				
FM	8 - 150			3.9 (110°)	6.0 (110°)
FF	50 ~∞			3.9 (80°)	6.0 (80°)
SN	3 - 30			3.9 (90°)	
SM	5 - 80			3.9 (90°)	
DM	3 - 20 7 - 80				6.0 (100° 90°)

FN Forward Near

FM Forward Mid

FF Forward Far

SN Side Near

SM Side Mid

DM Dual Mode (Side+Forward)

INCLUDED ACCESSORIES

- Transportation case
- Battery charger (with 4 slots)
- Li-ion rechargeable batteries 18650-protected, 4 pieces
- Power adaptor
- SD card 32 GB incl. USB adapter
- Connection cables: USB-C, micro USB, mini HDMI

OPTIONAL ACCESSORIES

- GTR (Guide Tube Rigid) 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 (WLAN), SD USB reader
- Li-ion rechargeable batteries 18650-protected

Subject to technical changes.

DRIVING NDT SOLUTIONS

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