![visatec logo] a DEKRA company

VT 72 PT camera series system

Watertight camera with pan and tilt function and integrated lighting

Applications and features

Applications

- All underwater inspections and monitoring applications
- Nuclear applications (refueling - offloading - maintenance)
- Industrial applications
- Decommissioning applications

Features

- Robust and modular design ➔ stainless steel or anodized aluminium body
- Zoom lens 18x optical / 12x digital
- High-resolution camera for detailed pictures ➔ available in Full-HD as VT 360 PT
- Easy handling
- Integrated LED lighting
- Pan and tilt functions
- Watertight

VT 72 PT with stainless steel body

VT 72 PT with stainless steel body with additional VT 200 LED bars
Watertight color camera with 18:1 optical zoom. Equipped with Pan-Tilt function , integrated LED lighting and extended camera functions makes it ideal for all inspections in nuclear technology. The stainless steel body it fully resistant against agressive chemicals and seawater.

VT 72 PT with anodized aluminium body

VT 72 PT with aluminium body
Watertight color camera with 18:1 optical zoom. Equipped with Pan-Tilt function , integrated LED lighting and extended camera functions makes it ideal for all inspections in nuclear technology. The lightweight aluminium body is resistant againts most chemicals contained in radioactive wastewater.

VT 72 PT with stainless steel body and protectors

Camera protectors
Stainless steel protectors for VT 72 - VT 300 and VT 360 PT HD camera series. Recommended when used in environments where rough handling cannot be avoided.

Technical data - VT 72 PT

Material	Stainless steel or anodized aluminium
Image sensor	1/4" Super HAD CCD / resolution 530 lines horizontal
Video output	Y/C or FBAS / PAL-NTSC
Zoom	18x optical / 12x digital
Field of vision	48° - 2.8° hor.
Focus	Auto or manual
Pan / tilt range	Infinite / 220°
Illumination	4 x 22W LED
Dimensions	246,5 x 117 x 134 mm (Lenght x Width x Diameter)
Weight	approx. 5 kg stainless steel / approx. 3 kg aluminium
Temperature	0 – 50 °C
Pressure water tight	5 bar
Radiation resistance	1500 rad/h (15Gy/h) / Total 25000 rad (250 Gy)

Accessories

Protector	Camera protector
Laser module	Laser module for measuement applications

Related / compatible products

Control units

VT 300-3 CU	19"-Rackmount / Standalone control unit
VT 6360 CU	Mobile control unit with integrated monitor in PeliCase
VT 42 CG CU	IP67 protected control unit with additional integrated gripper control

Software

Measurement SW	VIAS Laser measurement software for documentation purposes

Deployment tools

Carbon poles	Sealed wired and non-wired carbon poles in various lenghts for easy deploment of camera system
Manipulators and holders	Various Tripods, holders and mounting units available

Lighting

Additional lighting	Various additional lighting sources available - for increased illumination of objects and surrounding inspection area

Cables

Cable reels	Various cable reels with adaptable cable lenghts available, motor-driven if needed
Single cable	Single cable for fast and flexible cabling, various lenghts

Related products and accessories

Control unit VT 6360 CU
Compact control unit in watertight PeliCase with integrated monitor and optionally integrated text inserter

Control unit VT 300-3 CU
Rack mountable or stand-alone control unit in 19-inch case for VT 72, VT 300 and VT 360 PT HD camera series

Control unit VT 42 CG CU
Control unit with remote control for 2 cameras and 1 gripper with IP67 protection

Laser module
Laser generator to display reference lines for measure-ment software
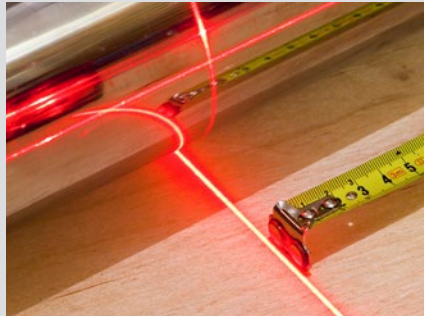
VIAS - Measurement software
Software to calculate leghts of inspected objects, e.g. scratches

Text overlay system
Video text inserter with a wide functionality range for professional applications

VT 72 SKT cable reel
Reel equipped with kevlar reinforced cable

Carbon poles - wired
Wired carbon poles for deployment of cameras and tools

Camera protectors
Stainless steel protectors to protect camera body in rough environments