Dekra

VT70 PTZ Inspection Camera

Compact and watertight
SD camera system with
pan-tilt function and
integrated LED lighting

Spectis Robotics

All underwater inspections and monitoring applications in hard to reach areas

Easy handling

Nuclear applications - e.g. pressure vessel inspections

Robust and compact design

Industrial applications - e.g. deep well inspections

High-resolution camera for detailed pictures

Decommissioning applications - e.g. pipe and tank inspections

Zoom lens 10x optical

Integrated LED lighting

Pan and tilt functions

Watertight

Specification

- Housing: Anodised aluminium
- Dimensions/diameter: L x ø225 x 70 mm
- Image sensor: 1/3" CMOS (Progressive Scan)
- Video output: Composite/PAL-NTSC
- Zoom/Lens: 10x optical f=3.3mm (wide) to 33.0 mm tele F1.8 to F3.4
- Field of vision: 58.2° – 6.9° hor.
- Focus: Auto or manual
- Iris/brightness: Auto or manual
- Pan/tilt range: Infinite/270° with position feedback encoder
- Illumination: 9 x 3W LED
- Laser module: Optional
- Weight: 1,55 kg
- Temperature: 0 – 50 °C
- Pressure: water tight 5 bar
- Radiation resistance:

  Total (cumulative) dose 25000 rad (250 Gy) for CCD module

  Total (cumulative) dose for camera 1MGy (change of module required)

Options and Upgrades

Control units

VT 300 CU series: 19" Rackmount/Standalone control unit

VT 6360 CU: Mobile control unit with integrated 21,5" Full HD monitor in PeliCase

Lighting

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

Deployment tools

ROV: VT 100 DAR

Carbon poles: Sealed wired and non-wired carbon poles in various lengths for easy deployment of camera system

Manipulators and holders: Various Tripods, holders and mounting units available

Cables

Cable reel: Various cable reels with adaptable cable lengths available, motor-driven if needed

Single cable: Single cable for fast and flexible cabling, various lengths

Images shown may not be an exact representation of the features listed.

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World-leading Robotic Crawlers and Camera Systems