VT XLRAD-10 PTZ
camera system
brochure

VT XLRAD-10 PTZ high radiation resistant inspection camera

High radiation resistant & watertight tube camera with integrated dimmable lighting, pan and tilt function, with slipping clutch and zoom fuction

Applications

- Nuclear applications - e.g. reactor inspection
- Decommissioning applications - e.g. pipe- and tank inspections, reactor inspecton / hot cells
- All underwater inspections and monitoring applications in hard to reach areas

Features

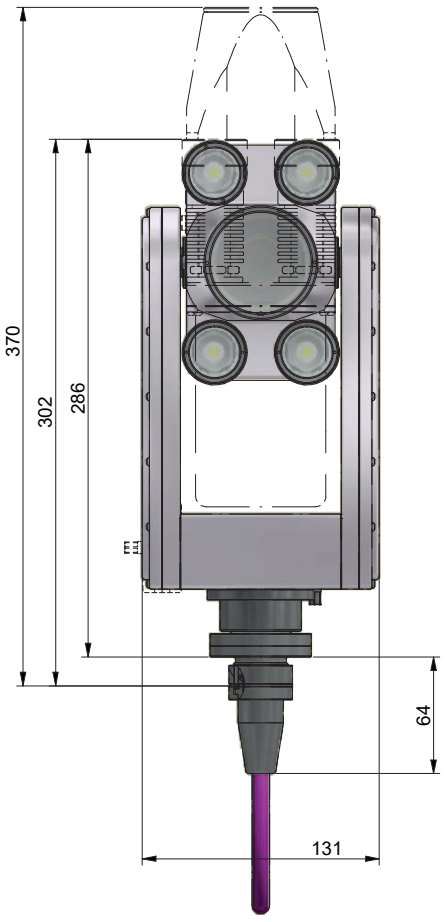
- Robust design in anodized aluminum
- Pan & tilt including slipping clutch
- High radiation resistant
- Zoom lens 10x optical
- Pal signal system
- Integrated LED lighting
- Watertight up to 50 m

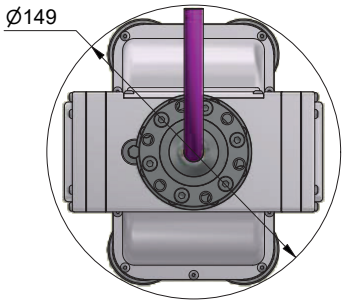
Technical specifications - VT XLRAD-10 PTZ camera system

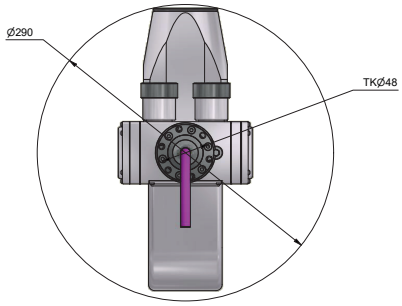
This document is for general information only, please consult the system manual for detailed specifications

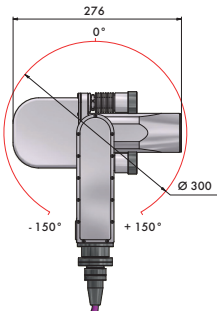
Housing	anodized aluminum
Image sensor / number of effective pixels	Vidicon pic-up tube 2/3“
Horizontal resolution	> 460 TV lines
Signal system	PAL (without bust, monochrom)
Light sensitivity	5 Lux
Optical zoom	10x
Digital zoom	n/a
Focus	manual (motorized)
FOV	---
Minimum object distance	50 mm (depending on system configuration)
Video output	VBS
Range - PAN	infinite
Range - TILT	300° (± 150°)
Lighting	4x LED spots
Luminous flux	~ 6,000 lm
Dimension (LxWxø)	302x131x149 mm
Weight	--- kg
Operating temperature	---
Water tight / water depth	5 bar / 50 m
Radiation tolerant	500,000 rad/h (5,000 Gy/h)
Total dose	110 Mrad (1.1 MGy)
Optionals	---
Features	integrated slipping clutch for pan & tilt

* unit in mm



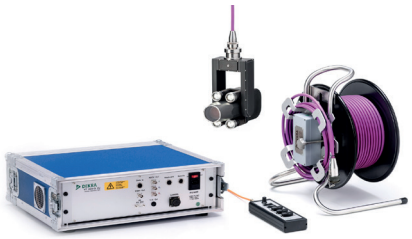






Setup

Possible combinations



Stand-alone system

DIN rail 35 mm compatible and modular control unit

1 Camera

VT XLRAD-10 PTZ

VT XLRAD-10 PTZC

2 Cabling

Cable drum with slip ring
VT 780 SKT

Cable
VT 780 K

Cable
VT 360 PTC HD KCP

3 Control unit

Control unit
VT 300-3 CU

Control unit
VT 6360 CU

24 V DC

Control unit
VT CamCtrl

4 Remote control

Remote control
VT XLRAD PT FB

*similar picture

Remote control
VT XLRAD BFBH

5 Add-ons

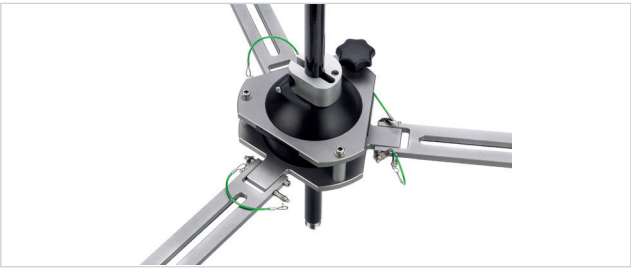
Monitor

Laptop

Accessories

VT 29 carbon poles - 29 or 42 mm diameter

Connectable carbon poles for deployment of cameras and tools - standard lengths are 1 and 2m



Manhole holder

Versatile positioner for 29 or 42 mm carbon poles

VT 72 holder

Holder for mounting the camera with VT 29 GR carbon rods

VT GH Vario tool holder

Variable railing bracket with stainless steel adapter for connecting the camera to 29 or 42 mm diameter carbon poles

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