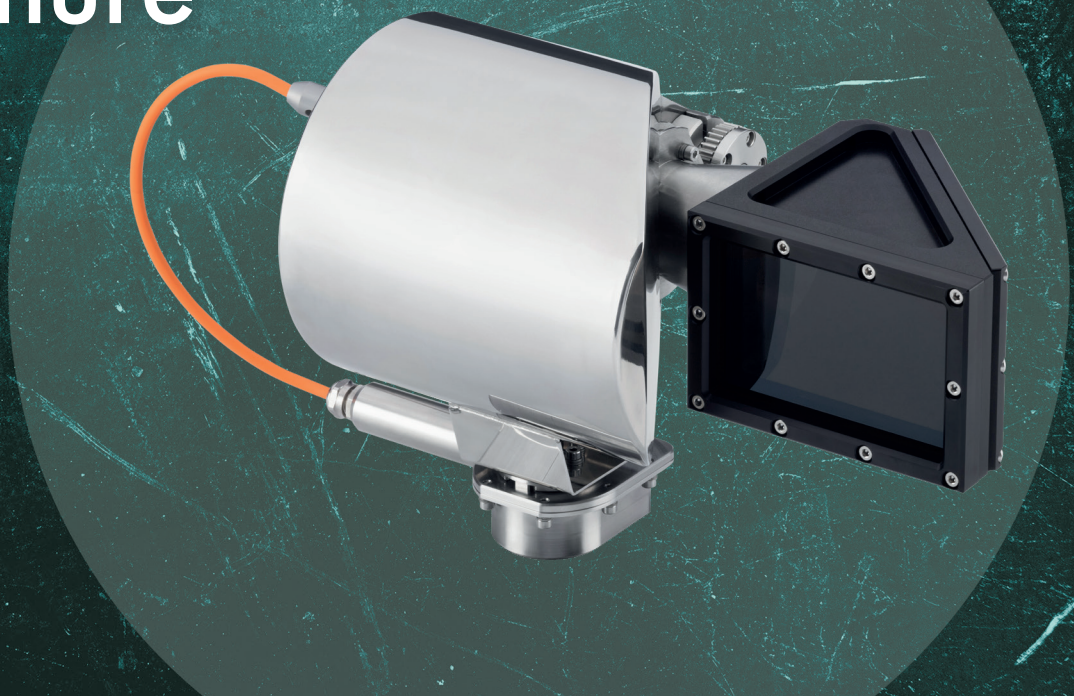
VT 1780 PTZC HD camera system brochure



VT 1780 PTZC HD FullHD high radiation resistant inspection camera

High radiation resistant & watertight FullHD camera with pan and tilt function with slipping clutch and zoom for fuel element inspection

Applications

- Inspections and monitoring applications in hard to reach areas
- Nuclear applications - e.g. fuel element inspection

Features

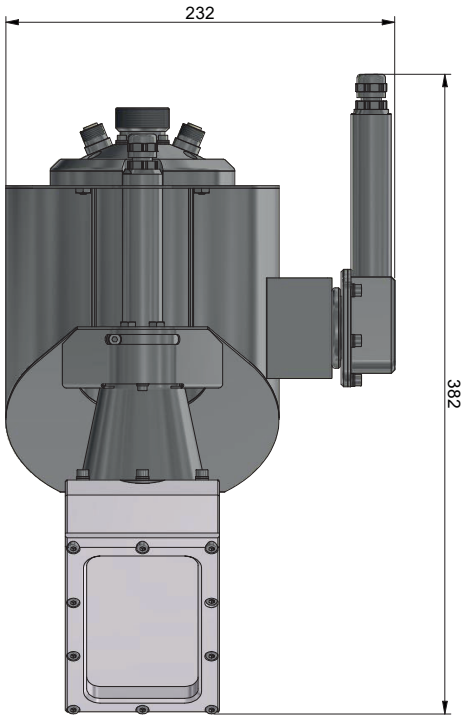
- Robust design in anodized aluminum & stainless steel
- Pan & tilt including slipping clutch
- High radiation tolerant
- Zoom lens 30x optical / 12x digital
- 1080i/60 fps Full-HD resolution
- Watertight up to 50 m

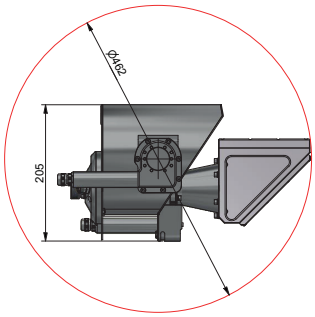
Technical specifications - VT 1780 PTZC HD camera

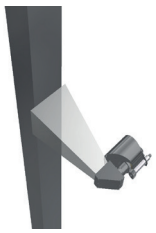
This document is for general information only, please consult the system manual for detailed specifications

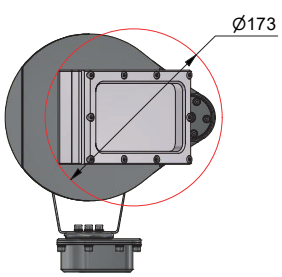
Housing	anodized aluminum & stainless steel
Image sensor / number of effective pixels	CMOS / 2130k pixels
Output pixels (HxV)	1920x1080
Signal system	1080i/60
Minimum illumination	0.01 lx
Optical zoom	30x
Digital zoom	12x
Focus	automatic or manual
FOV	---
Minimum object distance	---
Video output	Y/Pb/Pr
Range - PAN	20° (± 10°) / can be adapted according to application
Range - TILT	90° (± 45°) / can be adapted according to application
Lighting	n/a
Luminous flux	---
Dimension (LxWxH)	382x232x205 mm
Weight	30 kg
Operating temperature	---
Water tight / water depth	5 bar / 50 m
Radiation tolerant	17,200 rad/h (172 Gy/h)
Total dose	530,000 rad (5,300 Gy)
Optionals	---
Features	integrated slipping clutch for pan & tilt

*** unit in mm**









Setup

Possible combinations

1 Camera

VT 1780 PTZC HD

2 Cabling

Cable
VT 360 PTC HD KCP

3 Control unit

24 V DC

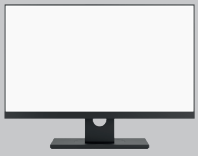
Control unit
VT CamCtrl

4 Remote control

*similar picture

Remote control
VT XLRAD BFBH

5 Add-ons



Monitor

Laptop

Inspection
Technology

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+31(0)71 - 747 0110 www.daconbv.nl info@daconbv.nl