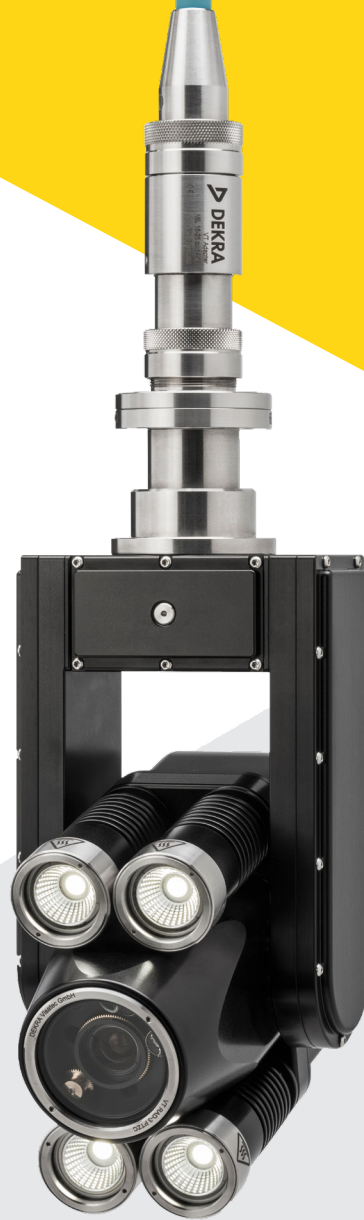


# VT RAD-3 PTZC

## camera system brochure



### VT RAD-3 PTZC high radiation resistant inspection camera

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

#### Features

- ▶ Robust design in anodized aluminum
- ▶ Pan & tilt including slipping clutch
- ▶ High radiation resistant
- ▶ Zoom lens 3x optical
- ▶ PAL signal system
- ▶ Integrated LED lighting
- ▶ Watertight up to 50 m

#### Applications

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

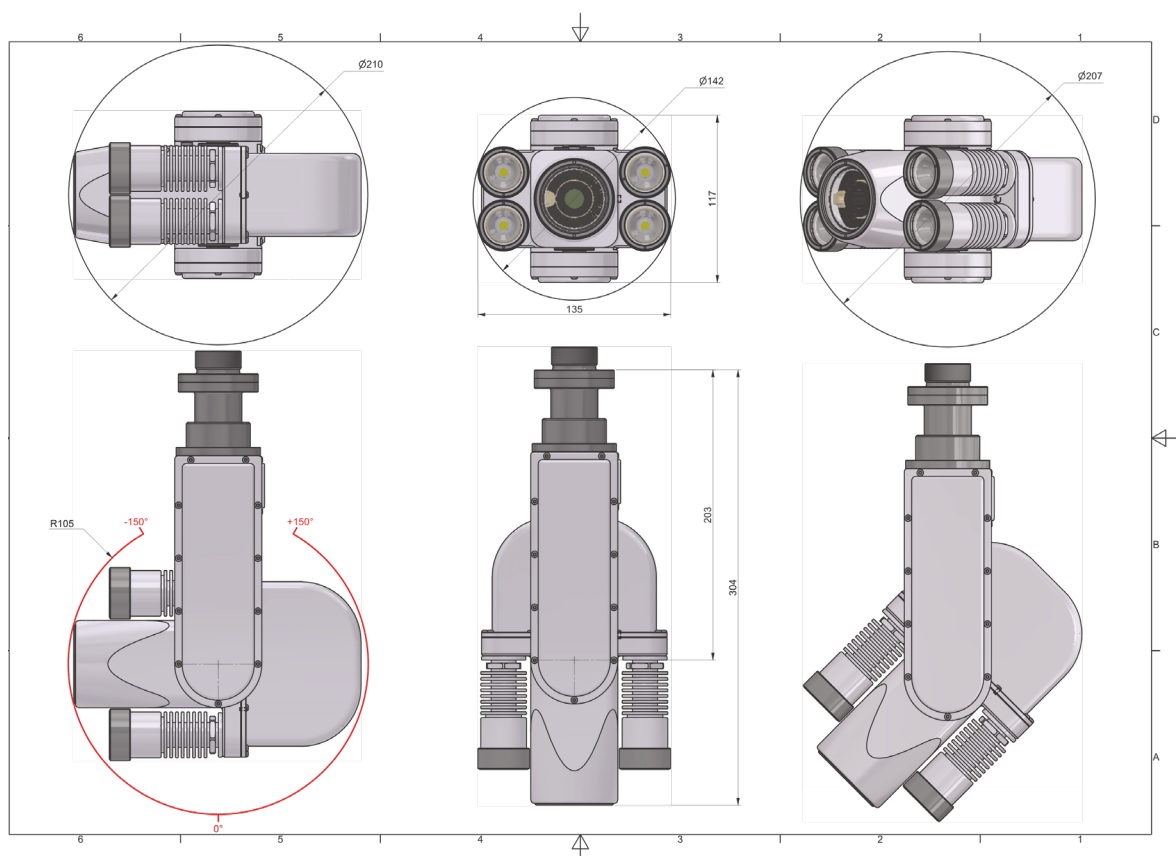
## Technical specifications – VT RAD-3 PTZC camera system

This document is for general information only.

Please consult the system manual for detailed specifications

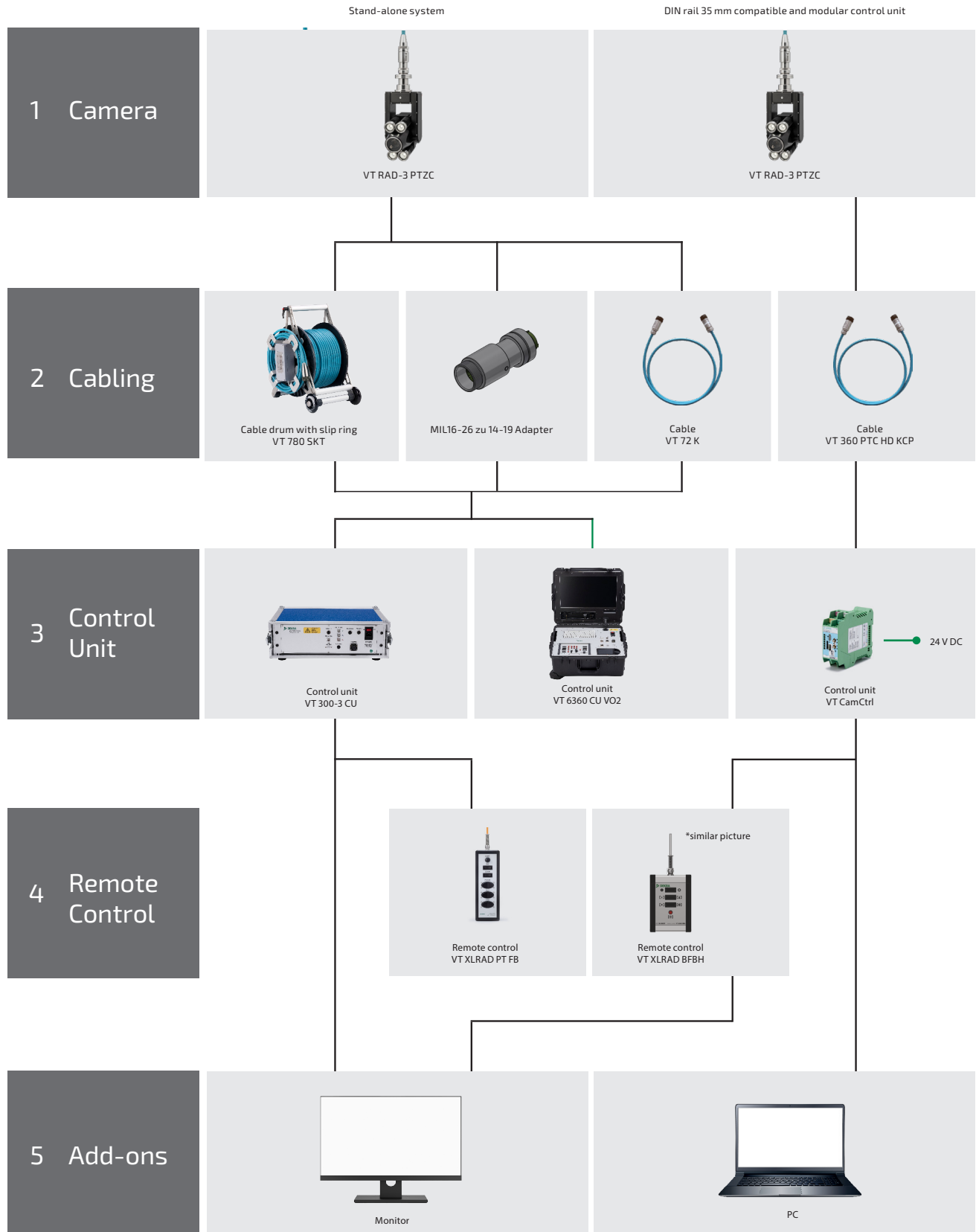
Housing	anodized aluminum
Image sensor / number of effective pixels	Resistron pic-up tube 2/3"
Horizontal resolution	PAL > 460 TV lines
Signal system	PAL/NTSC (without bust, monochrom)
Light sensitivity	5 Lux
Optical zoom	3x
Digital zoom	n/a
Focus	manual (motorized)
FOV	---
Minimum object distance	100 mm (depending on system configuration)
Video output	VBS 1VPP @ 75 Ohm
Range - PAN	infinite
Range - TILT	300° (± 150°)
Lighting	4x LED spots
Luminous flux	~ 1.565 lm
Dimension (Lx Wx o)	304x117x135 mm
Weight	3.5 kg
Operating temperature	---
Water tight / water depth	5 bar / 50 m
Radiation tolerant	360 krad/h (3.6kGy/h)
Total dose	100 Mrad (1.0 MGy)
Optionals	---
Features	integrated slipping clutch for pan & tilt

\* unit in mm



# Setup

## Possible combinations



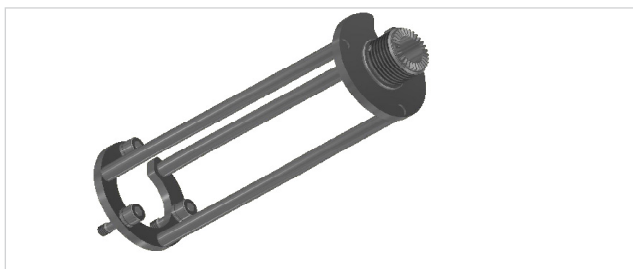
## Accessories



VT 29 carbon poles - 29 or 42 mm diameter  
Connectable carbon poles for deployment of cameras and tools  
- standard lengths are 1 and 2 m



Manhole tripod  
Versatile positioner for 29 or 42 mm carbon poles



VT 72 holder  
Holder for mounting the camera with VT 29 or VT 42 carbon poles



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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