VT 70 PTZ SD
camera system brochure

DEKRA

VT 70 PTZ(L) SD camera system

Compact and watertight camera with pan-tilt function and integrated LED lighting and optional line laser

Applications

> All underwater inspections and monitoring applications in hard to reach areas
> Nuclear applications - e.g. pressure vessel inspections
> Industrial applications e.g. deep well inspections
> Decommissioning applications - e.g. pipe and tank inspections

Features

> Robust and compact design
> Zoom lens 10x optical / 16x digital
> High-resolution camera for detailed pictures
> Integrated LED lighting
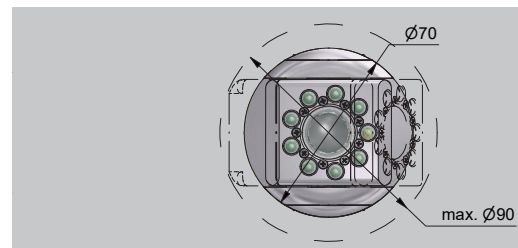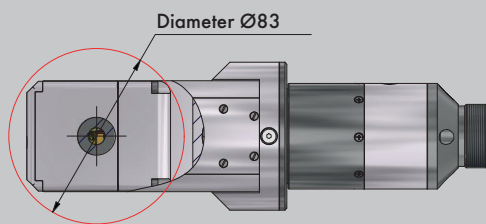> Pan and tilt functions
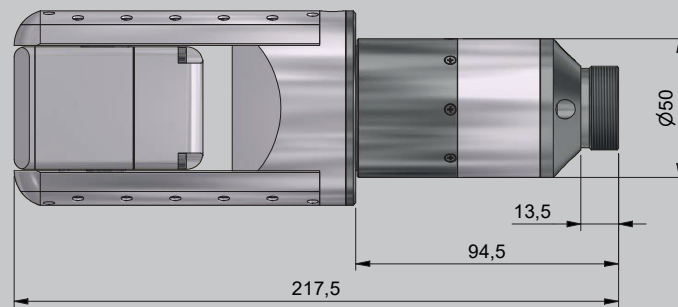> Watertight
> Slipping clutch

Technical specifications - VT 70 PTZ(L) SD camera

This document is for general information only, please consult the system manual for detailed specifications
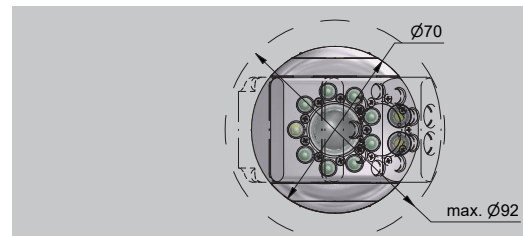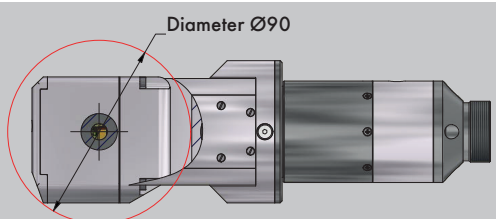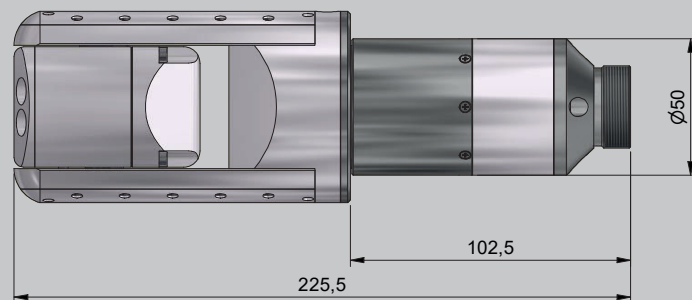
Material		Anodized aluminium
Image sensor		1/3" CMOS Sensor (app. 4 MPixel)
Resolution		600 lines
Video out		CVBS / PAL-NTSC
Zoom		10x optical / 16x digital
Field of vision		59.2° (Wide) – 6.7° (Tele)
Focal length		3.3mm - 33mm (f/1.8 - F3.4)
Minimum distance lens		5cm (1.96")
White balance		manual
Range - Pan		infinite
Range - Tilt		270° with position feedback encoder
Lighting		9 x 3 W LED
Dimensions	PTZ / PTZL	L x Ø = 217 / 225mm x 70mm (8.54 / 8.86" x 2.76")
Weight	PTZ / PTZL	approx. 1507 / 1591g (3.3 / 3.5lbs)
Operating temperature		0°C to +50°C (32°F to 122°F)
Watertight		5 bar (72.5 psi) / 50m (164ft)
Radiation resistance		5500 rad/h (55Gy/h) / total 40.000 rad (400 Gy)
Laser / laser class / line distance		2 line laser, wavelength 650nm / class 1 / approx. 12mm

* unit in mm

VT 70 PTZ SD

Ø50
13,5
94,5
217,5

Diameter Ø83

Ø70
max. Ø90

VT 70 PTZL SD

Ø50
102,5
225,5

Diameter Ø90

Ø70
max. Ø92

Setup

1 Camera

VT 70 PTZ(L) SD

2 Cabling

VT 780 SKT

VT 72 HD SKT

3 Control unit

Control unit
VT 6360 CU

Control unit
VT CamCtrl

Control unit
VT 300-3 CU

Remote control
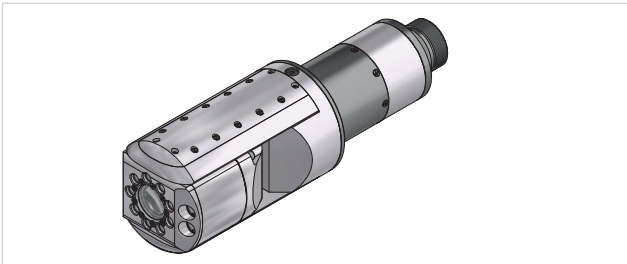VT 780-2 FB

Components, related products - and accessories

VT 6360 CU

Portable CU with integrated 21.5" monitor, text inserter, recording funtionality and removable remote control
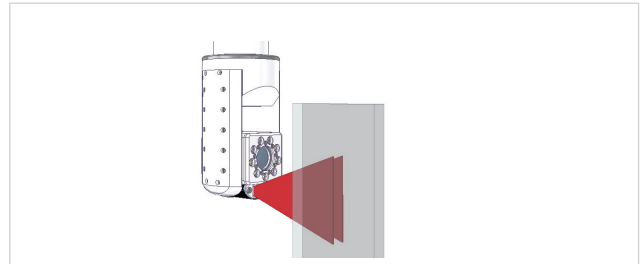

VT 300-3 CU

Rack mountable or standalone control unit in 19-inch case for different camera series
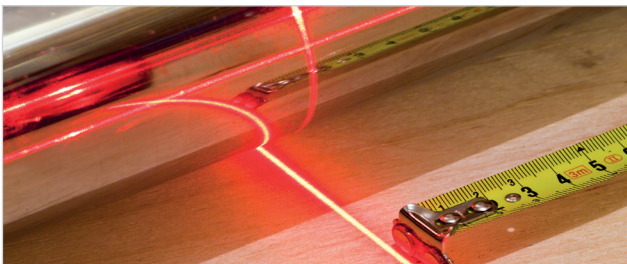

VT 70 PTZ(L) SD

The VT 70 PTZ(L) SD camera also has two line lasers with a defined distance.

Laser module

Laser generator to display reference lines for measurement software

VIAS - Measurement software

Software to calculate lengths of inspected objects, e.g. scratches (alu body only)

VT 780 SKT cable reel with wheels

Reel equipped with kevlar reinforced cable and extendable arm

Optional accessories

VT 29 Carbon poles - 29 or 42mm diameter

Carbon poles for deployment of cameras and tools

VT GH Vario tool holder with pole adaptor

Variable rail holder with stainless steel pole adaptor to connect the camera to carbon poles - 29 or 42mm diameter

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On the safe side.