VT 1000 PTZL HD EX
camera system
brochure

DEKRA

IEC · IECEx · Ex

VT 1000 PTZL HD EX
FullHD Ex classified inspection camera

ATEX zone 1 rated & watertight FullHD camera with integrated dimmable lighting, pan and tilt function, with slipping clutch and zoom function

Applications

▸ Tank inspections in the oil & gas, chemical and petro-chemical industries
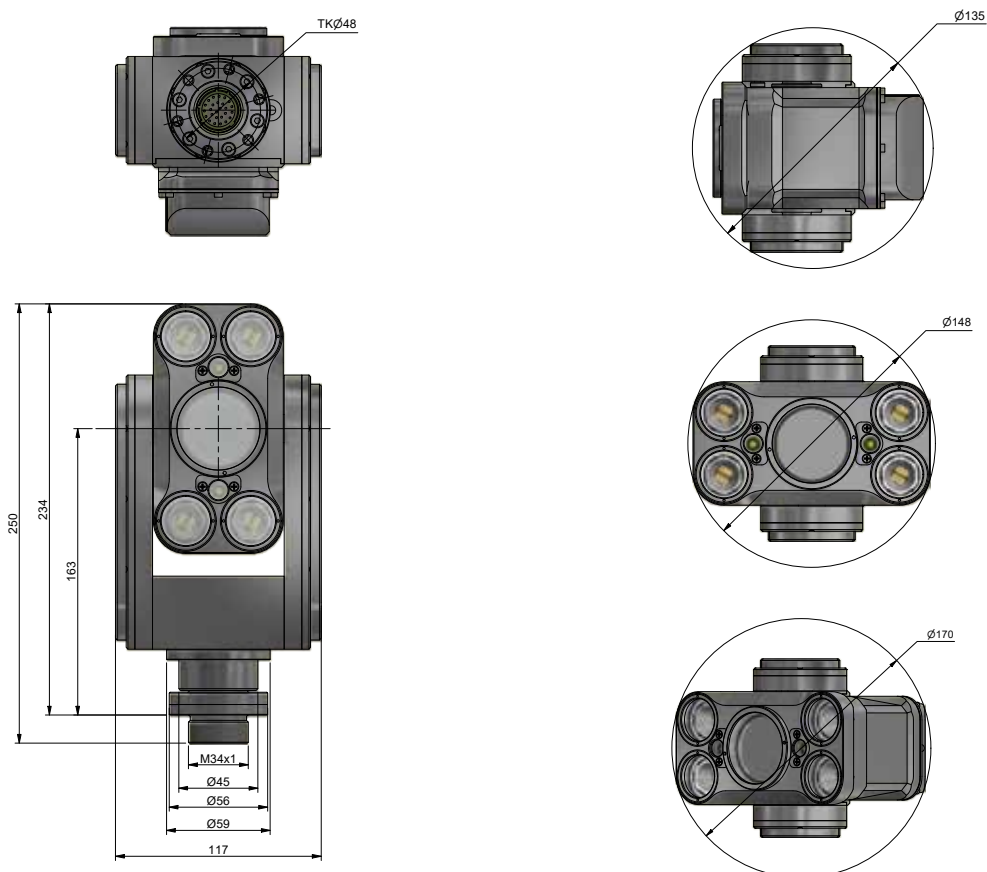▸ All visual inspections and monitoring in hazardous areas
▸ Industrial applications

Features

▸ ATEX certification (EX II 2G Ex eb ib pxb IIC T6 Gb)
▸ IECEc certification (EX eb ib pxb IIC T6 Gb)
▸ Robust design in stainless steel
▸ Pan & tilt including slipping clutch
▸ Zoom lens 30x optical / 12x digital
▸ 1080i/60 fps Full-HD resolution
▸ Integrated LED lighting and 2 line lasers
▸ Watertight up to 6 m
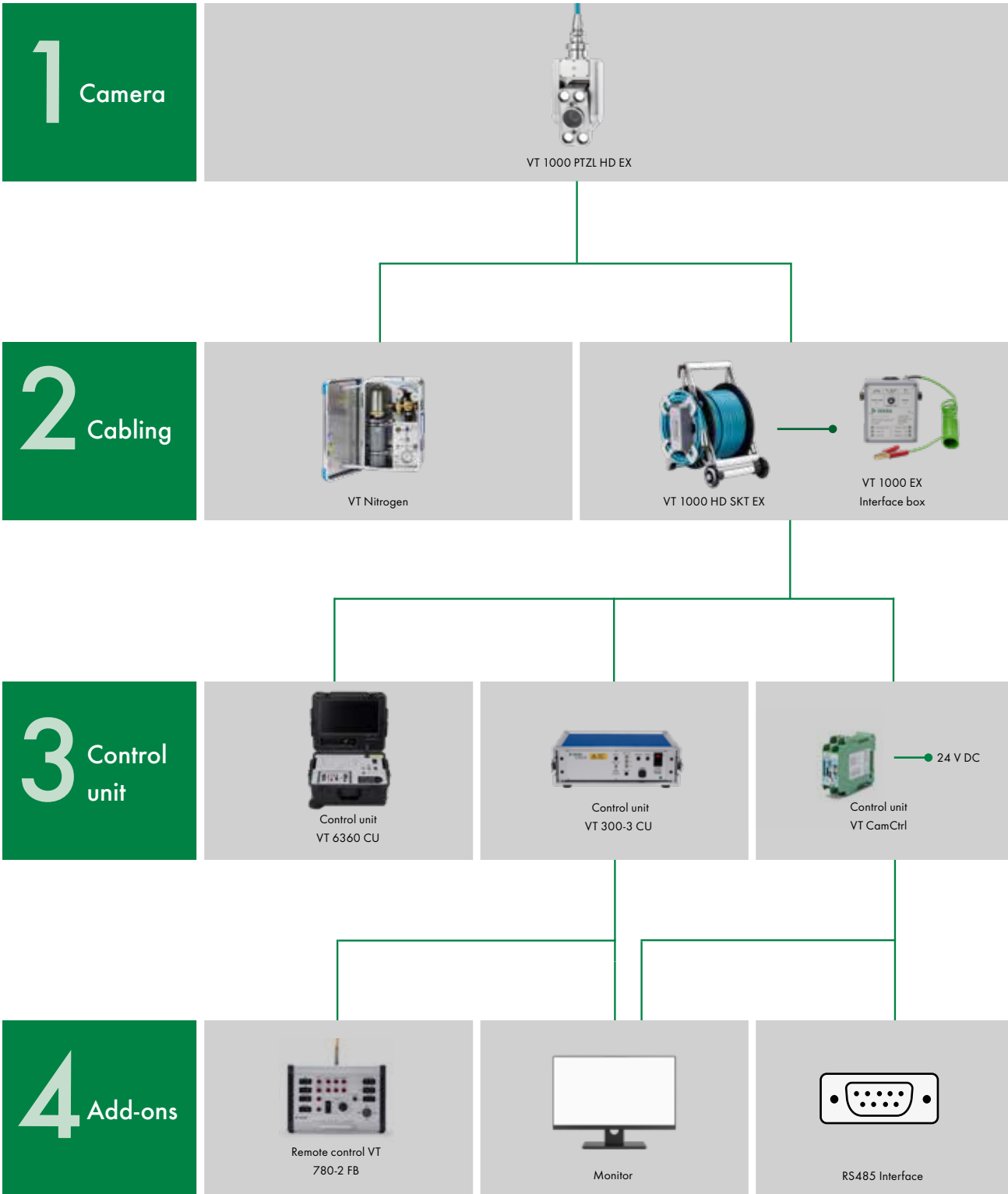
Technical specifications - VT 1000 PTZL HD EX camera

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

ATEX zone	1
ATEX certification	EX II 2G Ex eb ib pxb IIC T6 Gb
IECEc certification	EX eb ib pxb IIC T6 Gb
Housing	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	63.7° (wide) to 2.3° (tele)
Minimum object distance	10 mm (wide) to 1200 mm (tele)
Video output	Y/Pb/Pr
Range - PAN	infinite
Range - TILT	220° (± 110°)
Lighting	4x LED spots
Luminous flux	---
Dimension (LxWxø)	250x117x135 mm
Weight	5 kg
Operating temperature	+1°C to +50°C
Water tight / water depth	0.6 bar / 6 m
Radiation tolerant	---
Total dose	---
Optionals	---
Features	integrated slipping clutch for pan & tilt, two line lasers stainless steel

Setup

Possible combinations

1 Camera	VT 1000 PTZL HD EX	

2 Cabling	VT Nitrogen	VT 1000 HD SKT EX — VT 1000 EX Interface box

3 Control unit	Control unit VT 6360 CU	Control unit VT 300-3 CU — Control unit VT CamCtrl — 24 V DC

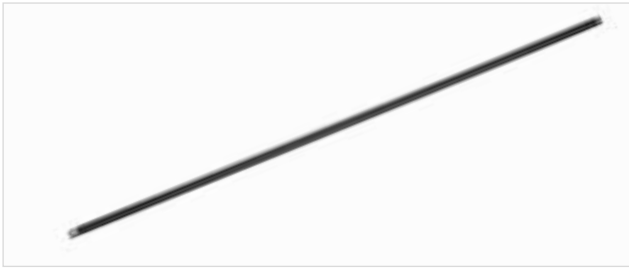|		
4 Add-ons	Remote control VT 780-2 FB	Monitor — RS485 Interface

Optional accessories - not ATEX / EX classified

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 holder

Versatile positioner for 29 or 42 mm carbon poles