



The performance features at a glance

- Different lens options
- Micro Bolometer
- Thermal resolution D1-class (Original Scaling Technology)
- IP68
- High durability against salt damage
- Integrated TEC (Thermo Electric Cooler)
- Pan/Tilt endless rotation 360°



Standard-Camera



Marine



Rail

High versatility

With their special properties, thermal cameras are suitable for monitoring traffic, marine applications, or sensitive areas in general. Regardless of whether there is complete darkness or vision is impaired due to influences such as smoke or fog, thermal cameras continue to see clearly.

Outstanding advantages

The special feature of the ZT-PTS series thermal cameras is the extremely exactly working scaling technology. The resolution of 384 x 288 is so well prepared that it corresponds to a D1. In this way, pin sharp image results can be achieved. 360 ° continuous pan/tilt in all directions guarantee maximum visibility.

High-performance technology

Thanks to diverse digital functions, all ZT-PTS series models can be ideally adapted to the corresponding circumstances. This also includes a 4x digital zoom (thermal module) able to improve the visibility of details due to the high image quality.

Other special features

An NETD value of 40mK emphasises the high-quality technology. Since this way, significantly better results can be achieved in adverse conditions such as fog. And this at an image refresh rate of 25fps.

Order data

Order number	Product description
ZT-PTS320/-35	Thermal PTZ-camera, Microbolometer, Resolution D1-class, 40mK NETD, IP66, 12-24VDC, 24VAC

ZT-PTS Thermal camera



Advantages for the installer

The OSD menu allows for quick configuration. Thanks to the support the installation is completed equally fast. The different lens variants furthermore allow for a number of installation options.

Technical specifications	ZT-PTS
Videosystem	PAL / NTSC
Video-Out	BNC
Digital zoom	4x (15 steps)
OSD Menu	Yes
Protocols	Pelco D/P
Panangle-/speed	360° (endless), max. 200°/sec (Preset) / 100°/sec (manual)
Tileangle-/speed	360° (endless), max. 200°/sec (Preset) / 100°/sec (manual)
Presets	165 Positions
Tour	Max. 8 programable Tours
Pattern	Max. 8 programable Patterns
Auto Scan	Max. 8 Auto-Scans
Interfaces	RS485, 4x Alarm-In, 2x Relay-Out
Heater	Yes
Operating Voltage	12-24VDC, 24VAC
Power consumption	25W (max. 48W)
Protection class	IP68 (1.000h salt water spraying test certified, 3G vibration test passed)
Operating temperature	-30°C - 50°C
Weight	5,5kg
Dimensions (W x H x D)	300mm x 174.3mm x 200mm

ZT-PTS Thermal camera



Technical data	ZT-PTS
Thermal module	
Thermal module	25 µm Uncooled Microbolometer
Spectral reaction	8 – 14 µm
Thermal sensitivity	40mK, F1.0
Refresh rate	25bps (PAL)
Resolution	384 x 288 D1-class with 'Original Scaling Technology'
Temperature range	-20°C - 120°C (Normal Mode), -20°C - 650°C (High-Temperature Mode)

Lens options	Field of view	Order no
20mm	22.6° (horizontal) 17.1° (vertical)	ZT-PTS320
35mm	15.6° (horizontal) 11.7° (vertical)	ZT-PTS335

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