



Cameras

High Performance Thermal Cameras

ZT-PTD Series

Dual
Type

Features:

- High Resolution • High Sensitivity(NETD:40mK)
- High Durability Against Salt Damage and Vibration
- Advance Micro Bolometer
- Dual Cameras(Thermal & Visible)
- Pan / Tilt Endless Rotation



Thermal Imaging Camera

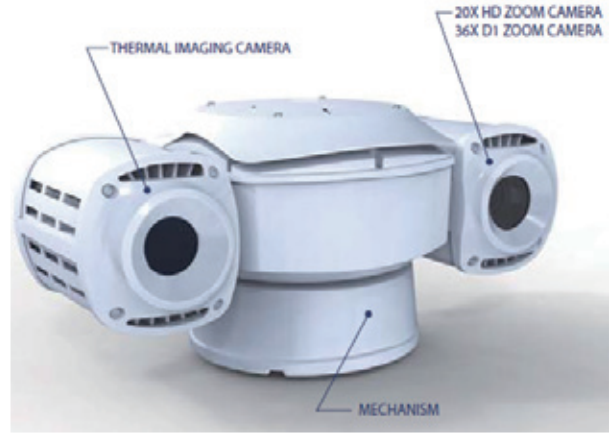
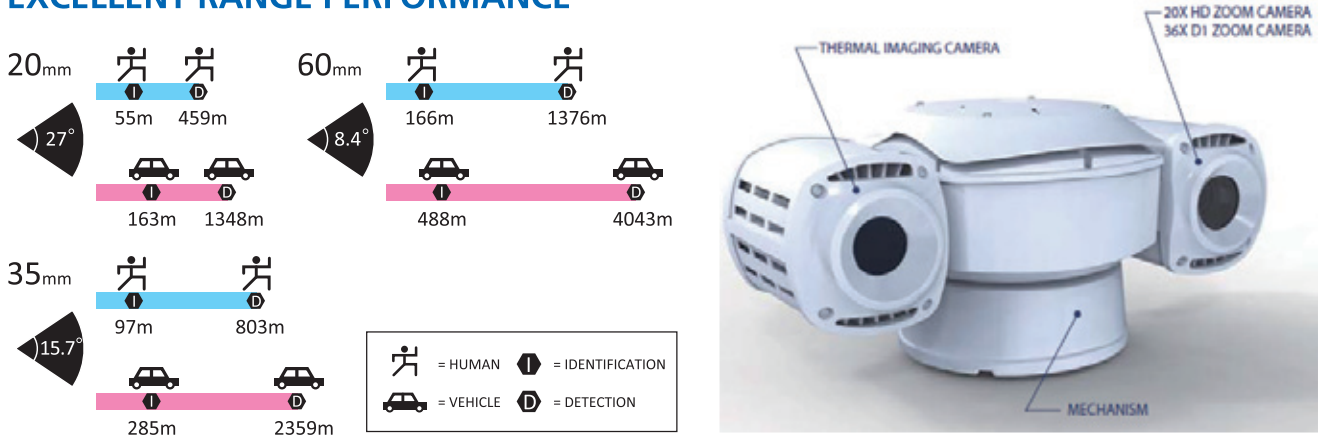


20x HD / 36x D1 Camera

ZT-PTD Series

■ Featured with the extended Micro Bolometer thermal imaging technology, GANZ ZT-PTD series presents irreplaceable solutions for applications such as Marine, Power Plants, Petros, Law enforcements, where exceptionally high performance on the thermal imaging is mandated under any visibility conditions.

EXCELLENT RANGE PERFORMANCE



| Specifications (Tentative) | | ZT-PTD | ZT-PTDHD | |
|----------------------------|------------------------------|--|---|--|
| Thermal Module | Type | Uncooled Micro bolometer | | |
| | sensor | Cell Size | 25µm | |
| | | Pixel Number | 384 x 288 | |
| | | Resolution | D1 Class with Original Scaling Technology | |
| | Measuring Wave Length | 8 ~ 14 µm | | |
| | Video Output | NTSC/PAL (Switchable) | | |
| | Output Frequency | NTSC : 59.94Hz(30fps), PAL : 50Hz(25fps) | | |
| | Range of Observation Display | -20°C ~ 120°C (Normal Mode) -20°C ~ 650°C (High Temperature Mode / T.B.D) | | |
| | NETD | 40mK / F1.0 | | |
| | Lens | 20mm(Standard) , 35/60mm Option | | |
| D-Zoom | x4 (15steps) | | | |
| Camera Module | Image Sensor | 1/4" Sony Exview HAD CCD | 1/2.8" Sony Exmor CMOS Sensor | |
| | Total Image Pixels | NTSC: 811(H) x 508(V) 410K / PAL: 795(H) x 596(V) 470K | 1920 x 1080p | |
| | Lens | x36 F=1.6~4.5, f=3.4~122.4mm (Digital : x12 / Total : x432) | x20 F=1.6~3.5, f=4.7~94mm | |
| | Min. Illumination | 1.4 Lux(DSS Off) 0.1 Lux(Color : 50IRE) 0.01 Lux(B/W : ICR On) | 0.095Lux(HSM On / DSS Off) 0.3Lux(HSM Off / DSS Off) 0.005Lux(HSM On / DSS Off) | |
| | Luminance S/N Ratio | More than 50dB | | |
| PAN/TILT | Pan Angle | 0°~360°(Endless) | | |
| | Manual Speed | 0.5 ~ 200°/sec | | |
| | Preset Speed | Max 200°/sec | | |
| | Tilt Angle | 0°~360°(Endless) | | |
| | Manual Speed | 0.5 ~ 200°/sec | | |
| | Preset Speed | Max 200°/sec | | |
| FUNCTION | Preset Positions | 165 | | |
| | Preset Tours | 8 Programmable group tours (1Group/ 60 steps) | | |
| | Pattern | 8 Programmable Patterns | | |
| | Auto Scan | Programmable Auto Scan | | |
| | Camera ID | 1~255 address | | |
| | On Screen Display | Camera ID, Name, Area Name, Preset Name, Tour Name, Angle | | |
| | Alarm | 4 Alarms | | |
| | Aux Out | 2 Aux Out | | |
| | Heater | Yes | | |
| | Defrost Device | Option | | |
| | Controller Interface | RS-485 (Pelco-D/P, 2400/4800/9600bps), Ethernet | | |
| | IP Rating | IP68 (Defrost version: IP66) | | |
| | Housing | Die-cast Aluminum & "O"-ring Sealed. (All internal parts - Anticorrosive Coating) 1,000 hours salt water spraying test certified 3G vibration test passed | | |
| etc | Operating Temperature | -30°C ~ +55°C | | |
| | Storage Temperature | -40°C ~ 70°C | | |
| | Operating Voltage | DC12V 6.5A / DC24V 2.73A or AC24V 2.86A 50/60Hz | | |
| | Power Consumption | DC12V 5.0A(Max:60W) / DC24V 2.1A(Max:50.4W) / AC24V 2.2A(Max:52.8W) | | |



HEAD QUARTERS

Image & Information Technology Div.

2-15-13, Tsukishima, Chuo-ku, Tokyo 104-0052, Japan

Tel: +81(0)3 3536 5179 | <http://www.cbc.co.jp>

sekiya@cbc.co.jp