



## Perfect Marine Surveillance

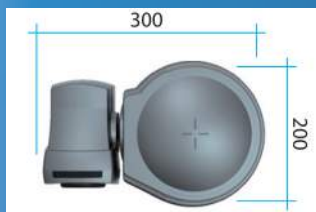
### IR-PTZ36 Infrared PTZ Camera

#### Main Features Include:

- Extreme Weatherproof use IR PTZ
- Worlds first 360° endless Pan / Tilt motion
- No blind spot monitoring
- Temperature monitoring system
- 1,000 hours Salty Waterproof - Optional
- 3G Vibration Test Certified - Optional



*Specification may change without prior notice*



Ceiling Mounted Bracket  
TB-304



Wall Mounted Bracket  
TB-305R



Pole Mount Adaptor  
TB-309R



Corner Mount Adaptor  
TB-310R



Pole Mount Stand  
TB-311R



#### Durable & Reliable

The **TBT IR PTZ Camera** has a Dupon TEFLON coating which specialises in non-adherence, low friction figures, heat-resistance, cold-resistance and chemical-resistance. This means that the camera is protected from all weather conditions.





## Perfect Marine Surveillance

### IR-PTZ36 Infrared PTZ Camera



#### Waterproof Submarine Motion

All the joints in this Camera are specially designed to be completely waterproof. When operated, the Pan / Tilt moves without any waterproof issues due to the sealing oil on the axis rotation.



#### Tempered Glass - with Condensation Prevention

The Tempered Glass is specially coated, preventing condensation, rain and dust. The toughed glass is scratch resistant giving to ensure a clear, crisp image.



#### Auto LED Brightness Distance Control



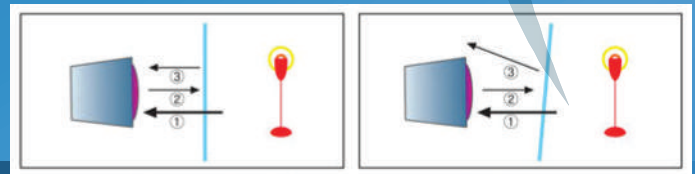
**Zoomed Out - Wide Angle:** The brightness of the LED is automatically adjusted to a lower level, to prevent image saturation.

**Zoomed In - Narrow Angle:** The brightness of the LED is maximised producing a clear image and reducing energy consumption.

• 30° LED 28 EA, 12° LED 15EA

#### Auto LED Pulse Distance Control

The pulse of LED electric current is automatically controlled, depending on the distance range. This camera produces 2 x better LED brightness but with same amount of electrical current as other cameras.



#### Tilted Glass Prevents Reflections

The lens has a tilted design which prevents reflections caused by strong lighting such as light from streetlights.

#### Pan / Tilt Torque Compensation

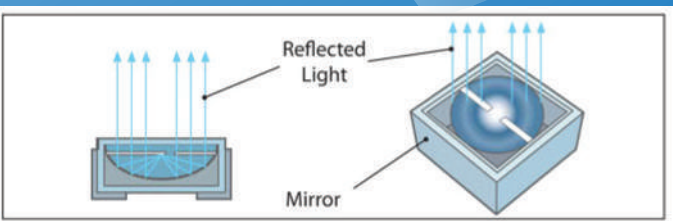
Pan / Tilt / Torque vibration sensor keeps the Pan / Tilt motor securely in place during even the strongest winds.



#### Internal Circuit Protection



The temperature sensor is equipped inside of the camera to ensure the internal circuit is protected from changing temperatures by the heater when cold and by the fan when hot. This makes the camera suitable for conditions ranging from -40°C~ 50°C The temperature is shown on the display so can be checked at any time.



#### Only the Highest Quality Mirror LED

The LED is designed with a mirror which takes the light straight that brings the low-heat with low-power and high-illumination possible.

#### 360° Endless Motion

The TBT IR PTZ Camera with digital flip can be operated from any angle!







## Perfect Marine Surveillance

### IR-PTZ36 IRPTZ Camera



#### Technical Data

<b>Pan Rotation Angle</b>	0° ~ 360° Endless					
<b>Pan Speed</b>	Manual: 0.1 ~ 200° / sec (64 step) Preset: MAX 300° / sec					
<b>Tilt Rotation Angle</b>	0° ~ 360° Endless					
<b>Tilt Speed</b>	Manual: 0.1 ~ 200° / sec (64 step) Preset: MAX 300° / sec					
<b>System Accuracy</b>	0.009°					
<b>Preset</b>	165 Positions - Freeze Preset & AF / MF Preset available					
<b>Group Tour</b>	Max. 8 Programmable group tour - Each one consisting of up to 60 preset steps with different steps					
<b>Auto Scan</b>	Programmable Auto Scan					
<b>Pattern</b>	8 Programmable Patterns - total: 480 seconds					
<b>Sector</b>	8 Selectable Sectors with 16 characters					
<b>Home Position - Recover</b>	Yes - Auto / recover   Preset   Tour   Pattern   Scan   OFF					
<b>Password Protection</b>	Yes					
<b>Privacy Zone</b>	8					
<b>Image Stabiliser</b>	Yes					
<b>Recover Origin</b>	Yes					
<b>WDR</b>	<b>SSNR</b>	<b>SSDR</b>	<b>DNR</b>	<b>DSS</b>	<b>BLC</b>	<b>HLC</b>
Yes	No	No	Yes	On / Off	On / Off	No
<b>Day &amp; Night</b>	Auto   Day   Night					
<b>Shutter Speed</b>	Auto   1/1 ~ 1/25 [DDS ON] 1/50 ~ 1/10000					
<b>Flicker-less</b>	On / Off					
<b>Alarm Input</b>	4 Alarms - with various programmable states					
<b>Alarm Actions</b>	Activate preset   Group Tour   Pattern or Relay output per alarm input					
<b>Aux Output</b>	2 Relay					
<b>Auto Flip</b>	Yes - Digital Flip					
<b>OSD Menu</b>	Yes					
<b>Communication</b>	RS - 485					
<b>Protocol</b>	Pelco D / P					
<b>IR Mode</b>	Visual Distance: 50m					
<b>Power Consumption</b>	AC 24V 1.95A 47W MAX with heater					
<b>Power Supply</b>	AC 24V 50 / 60Hz 2.5A					
<b>Construction</b>	Aluminium die casting					
<b>Motor Type</b>	Stepping motor - 2 phase					
<b>Micro Steps</b>	1/16 Micro Step					
<b>Storage Temperature</b>	-20°C ~ 60°C [-4°F ~ 140°F]					
<b>Operating Temperature</b>	-30°C ~ 50°C [-40°F ~ 122°F] 100% humidity. The first start-up camera from storage condition over 0°C [32°F] No Heater					
<b>Certifications</b>	CE, FCC, IP68					
<b>Image Sensor</b>	1/4" Sony Ex-view had ccd					
<b>Total Image Pixels</b>	ntsc: 811 H x 508 V   410 K / PAL: 795 H x 596V   470K					
<b>Horizontal Resolution</b>	600 TVL					
<b>Lens</b>	36x F= 1.6 ~ 4.5, f= 3.4 ~ 122.4mm   Digital: 12 x / Total: 432x					
<b>Min. Illumination</b>	1.4 Lux (DSS OFF) 0.1 Lux (Colour: 50 IRE) 0.01 Lux (B/W: ICR ON)					
<b>Luminance S/N Ratio</b>	More than 50dB					
<b>Video Output</b>	Composite video output 75Ω Terminated					

