

Small size Weather-resistant PTZ Camera

PTZ SIZE COMPARISON

PT 8637
(FULL SIZE PTZ)



570 NIGHT
TVL
0.02 NIGHT
LUX

×100 Total Zoom

- Weather-resistant with Heater and Blower
- Extra small size
- Vandal-resistant Case
- Day & Night
- ×100 Zoom (×10 Optical, ×10 Digital)
- 127 presets / Auto Flip
- Pattern / Swing / Group / Privacy Mask

PT 970 x100 Total Zoom / 500 TVL / Auto-Flip / DC 12V / Vandal-Resistant / Weather-Resistant

The PT 970 is a very special PTZ camera because of its size. 6 inches in diameter and 5.5 inches in height make PT 970 as small as a regular dome camera. People won't think it is a user controllable camera. But, don't let the size fool you. This small PTZ comes with about same or even better features that you will find on regular size PTZ camera, such as, 360° endless panning, 127 presets, group and pattern feature, Day and Night and more. Pelco control protocol is fully integrated which means it is completely compatible with any DVR systems that supports Pelco-D protocol. Using with PTC TP 3000 joystick controller, it can be controlled independently from the DVR system. Another nice feature is that the nearly indestructible metal housing and poly-carbonate cover which protects the camera module from getting damaged. Also, the razor sharp 500 TV lines of resolution provides a rich color picture. The 100 times zoom lens shows every detail of an object you would like to see from a distance.

AUTO FLIP

In case that tilt angle arrives at the top of tilt orbit (90°), zoom module camera keep moving to opposite tilt direction (180°) to keep tracing targets. As soon as zoom module camera passes through the top of tilt direction (90°), images should be reversed automatically. Tilt movement range is 0°~95°

CAMERA SPECIFICATIONS

- CCD Sensor : 1/4" Interline Transfer CCD
- Zoom Magnification : x10 Optical Zoom, x10 Digital Zoom (combine x100 Zoom)
- Day & Night Function
- Various Focus Mode : Auto-Focus / Manual Focus / Semi-Auto Focus
- Independent & Simultaneous Camera Characteristic Setup in Preset operation

POWERFUL PAN/TILT FUNCTIONS

- Max. 360°/sec high speed Pan/Tilt Motion
- Using Vector Drive Technology, Pan/Tilt motions are accomplished in a shortest path. As a result, time to target view is reduced dramatically and the video on the monitor is very natural to watch.
- For jog operation using a controller, since ultra slow speed 0.05°/sec can be reached, it is very easy to locate camera to desired target view. Additionally it is easy to move camera to a desired position with zoom-proportional pan/tilt movement.

PRESET, PATTERN, SWING, GROUP, PRIVACY MASK AND MORE...

- Max. 127 Presets are assignable and characteristics of each preset can be set up independently, such as White Balance, Auto Exposure, Label and so on.
- Max. 8 set of Swing action can be stored. This enables to move camera repetitively between two preset positions with designated speed.

MOUNT OPTION

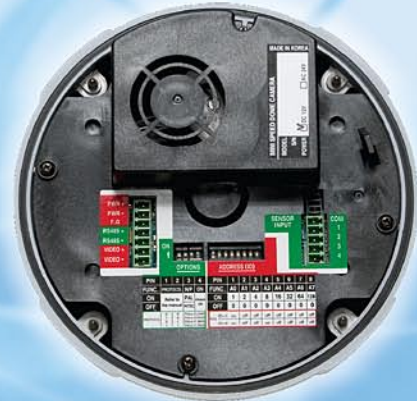
Mount not included with the camera. Camera is still mountable without mounts



CEILING MOUNT



WALL MOUNT



- Max. 4 of Patterns can be recorded and played back. This enables to move camera to follow any trajectory operated by joystick as closely as possible.
- Max. 8 set of Group action can be stored. This enables to move camera repetitively with combination of preset or Pattern or Swing. A Group is composed of max. 20 entities of Preset/Pattern/Swings.
- Privacy Masks are assignable, not to intrude on other's privacy. (4 Privacy Zones)

PTZ (PAN/TILT/ZOOM) CONTROL

- With RS-485 communication, max. 255 of cameras can be controlled at the same time.
- Pelco-D or Pelco-P protocol can be selected as a control protocol in the current version of firmware.

OSD (ON SCREEN DISPLAY)

- OSD Menu is provided to display the status of camera and to configure the functions interactively.
- The information such as ID, Pan/Tilt Angle, Alarm Input and Preset can be displayed on screen.

RESERVED PRESETS FOR SPECIAL PURPOSE

- Most camera characteristics can be set up easily and directly with reserved preset, not entering into OSD menu. For more information, refer to "Reserved Preset" in this manual.

EASY INSTALLATION AND PERFECT OUTDOOR ENVIRONMENT COMPATIBILITY

- Fans and heaters are built-in in camera for cold and hot temperature environment. Also idealistic mechanical design protects camera from water and dust. (IP66 when installed properly with wall mount bracket only)
- It is easy to install and repair camera.

		PT 970	
Camera	Camera	1/4" Interline Transfer CCD	
	Max. Pixels	811(H) x 508(V) 410K	
	Effective Pixels	768(H) x 494(V) 380K	
	Horizontal Resolution	500 TV Line(Color) / 570 TV Line(B/W)	
	S/N Ratio	50 dB (AGC Off)	
	Zoom	x10 Optical Zoom x10 Digital Zoom	
	Focal Length	F1.8, f=3.8~38mm	
	Min. Illumination	0.7 Lux (Color) / 0.02 Lux (B/W), 50 IRE	
	Day & Night	Auto / Day / Night (ICR)	
	Focus	Auto / Manual / SemiAuto	
	Iris	Auto / Manual	
	Shutter Speed	x128 ~ 1/120,000 sec.	
	AGC	Normal / High / Off	
	White Balance	Auto / Manual (Red, Blue, Gain Adjustable)	
	BLC	Low / Middle / High / Off	
	Flickerless	Selectable	
Pan / Tilt	SSNR	Low / Middle / High / Off	
	Range	Pan : 360° (Endless) Tilt : 180°(Auto-Flip), 95° (Normal)	
	Pan / Tilt Speed	Preset : 360°/sec Manual : 0.05 ~ 360°/sec (proportional to zoom) Swing : 1~180°/sec	
	Preset	127 Preset (Label, Camera Image Setting)	
	Pattern	4 Pattern, 1200 commands (about 5 minute) / Pattern	
	Swing	8 Swing	
	Group	8 Group (20 action entities per Group)	
	Other Functions	Auto Flip, Auto Parking, Power Up Action etc.	
General	Communication	RS-485	
	Protocol	Pelco-D, Pelco-P selectable	
	Privacy Zone	4 Zone	
	Alarm Input	4 Input	
	OSD	Menu / PTZ information etc	
	Rated Power	DC Type : DC 12V / 2.5A (with Heater & Blower)	
	Operating Temp.	32F ~ 104F(0°C~40°C) w/o Heater & Blower -22F ~ 122F (-30°C ~ 50°C) w/ Heater & Blower	
	Dimension	Dimension	Dome : 04.53 in Surface Mount : 06.61 in x 6.32 (H) in Ceiling Mount : 07.48 in x 7.81 (H) in Wall Mount : 07.48 in x 10.35 (H) in x 11.7 (W) in