

# PTZ ST-SP 27X NITEDEVIL DOME

PTZ505K



**27X  
ZOOM**

An attractive modern PTZ dome - Standard Speed - 27x zoom + IR Sensitive - 500TVL+ looks great on modern buildings!



## Features

- ✓ 270x Zoom (27x Optical, 10x Digital)
- ✓ 64 Presets & 6 Tours
- ✓ Metal Case - Double lined
- ✓ Endless 360° Rotation
- ✓ Standard Speed - 15°/s
- ✓ Built-in Pelco P & D & Others
- ✓ Ultra Modern Design
- ✓ Proportional Speed
- ✓ HR 500TVL camera
- ✓ True Day-Night Mech-Filter

## Description

The smooth and sleek lines of the new PTZ505 dome coupled with the Iridium Silver finish add a touch of class to any install.

The camera used within this dome is a 27x Optical, 10x Digital Zoom module with 500TVL resolution and mechanical day-night filter.

### Disclaimer

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This dome is IR sensitive and can be used with IR illuminators.

As a new feature, this 27x camera module has the ability to put your Company name in the camera's OSD for free advertising and a truly professional image. This needs to be done in the factory and a small charge will be levied for this.

The PTZ505K is a standard speed dome (rotating about 15°/s) and if its being used for remote monitoring purposes this can be the best choice as the slower rotation speed is easier to control remotely. With hi-speed domes that are controlled over the Internet by a DVR the operator needs to be very quick as the dome can do a full 360° in around 1 second!

If you need Alarm inputs and picture flip and a few other extra features have a look at the hi-speed domes that have these additional features. By using the alarm input module (Order code PTZ752) it is possible to add alarm inputs to the PTZ505K if required.

The Key features of this dome are as follows;

1-The module used within this dome is a 27x Mechanical day-night camera that is IR sensitive.

2-The Camera has a high resolution of 500TVL.

3-Attractive Iridium Silver case that looks great on modern buildings.

4-This dome can store up to 64 preset positions in non-volatile memory that are not lost with a power failure.

5-Standard speed rotation - rotating about 15°/s.

6-Six sets of tours (patrols) each with 16 preset positions.

7-Proportional pan function. The dome's travel speed will depend upon the extent of the zoom coverage. In telephoto zoom mode, the pan and tilt speeds will be slower for a given amount of joystick movement than that in wide zoom mode. This keeps the image from moving too fast on the monitor when there is a large amount of zoom coverage. This slowing down does not occur when going to a preset to retain dome performance. The minimum pan and tilt speeds are 0.1 degree per second at full zoom.

8-Proportional joystick control means if you "lightly" move the joystick on the keyboard the dome moves slowly, if you press harder then the dome moves faster. It's a similar principle to the accelerator pedal on a car and gives the operator more precise control of the dome.

**\*\* The ExcelPTZ range as a whole \*\***

The new excelPTZ range provides unrivalled performance at the lowest possible prices with a dome to suit everybody's budget and requirements. Based all around the same decoder electronics, once you learn one of the excelPTZ domes you've learnt them all. This makes installation fast and efficient. Integrated multi-protocol means the excelPTZ range will work with most other equipment on the market straight out of the box.

**\*\* Where would I use this dome? \*\***

The domes smooth and sleek lines, coupled with the Iridium Silver finish add a touch of class to any install, looking great on modern retail outlets or trendy industrial developments. All ExcelPTZ domes that state "Mechanical Day/Night" in the specification are IR sensitive as is the PTZ505K. This means you can use the dome with IR illuminators. The extra high resolution is useful for a clearer sharper picture on high-end

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DVRs.

**\*\* What can you use to control the dome? \*\***

The domes can be controlled with either a keypad or directly by a suitable DVR. If the DVR that controls the domes has a remote monitoring facility that allows itself to be controlled over the internet, you will be able to control the domes from anywhere in the world! A suitable DVR for this kind of application is one of the DVR365 range. Several different keyboards are available to control the excelPTZ range. When referring to keyboards, "2-D" generally means the joystick lever can Pan & Tilt the camera. "3-D" means the joystick lever can Pan, Tilt and Zoom the camera without pressing any other keys. This means that 3-D keyboards give a better one-handed control over domes than 2-D keyboards. On a 2-D keyboard one hand generally is used to direct the dome and the other hand presses the zoom in and out button, the 3-D joystick can be operated all with one hand.

We have now produced two keyboards with a built in LCD's this means that the operator can control the dome with greater ease than before with greater eye and hand coordination. See products PTZ715 and PTZ720.

**\*\* What protocols can I use with this particular dome? \*\***

All the ExcelPTZ range of domes uses the industry standard Pelco D&P plus extra ones. This particular dome can use the following list of protocols;

- 1-Pelco-D
- 2-Pelco-P
- 3-SAMSUNG
- 4-B01
- 5-NEON
- 6-PANASONIC
- 7-Longcomity
- 8-HUNDA-600
- 9-LiLin
- 10-VICON
- 11-MOLYNEX
- 12-KALATEL
- 13-VCL
- 14-ALEC
- 15-ULTRAC

Note about protocol compatibility!

Whilst most features can be checked between different protocols many manufacturers bring in new features all the time and it is impossible to guarantee that the dome would be 100% compatible with every protocol feature. As Pelco-D is a more defined and mature protocol we recommend that this is what you use. We actually set the dome to Pelco-D 2400 as its factory default. Most DVR's and keyboards also support this common protocol so we strongly suggest you stick to it.

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### Specifications

|                               |  |
|-------------------------------|--|
| Image Sensor . . . . .        | 1/4" Sony Colour                         |
| Resolution . . . . .          | 500TVL                                   |
| Image Output . . . . .        | 1 Volt Peak-Peak 75 ohm                  |
| Min. Illumination . . . . .   | 0.5 Lux                                  |
| Day/Night Function . . . . .  | Electronic & Mechanical                  |
| Input Voltage . . . . .       | 24V AC                                   |
| Current Consumption . . . . . | 1.7 Amp                                  |
| IP Rating . . . . .           | IP66                                     |
| Video Connection . . . . .    | BNC Socket                               |
| Power Connection . . . . .    | Terminal Strip                           |
| Protocol . . . . .            | Pelco P and D                            |
| Other Protocols . . . . .     | 3 others                                 |
| Bracket . . . . .             | Supplied                                 |
| Finish . . . . .              | Iridium Silver                           |
| Build . . . . .               | Metal Construction                       |
| Optical Zoom . . . . .        | 27 x IR Sensitive                        |
| Digital Zoom . . . . .        | 10 x                                     |
| Pre-sets . . . . .            | 64                                       |
| Tours . . . . .               | 6  |
| Pan Speed . . . . .           | 15deg/sec                                |
| *Extras . . . . .             | Blower                                   |
| *Extras . . . . .             | Continuous Rotation                      |
| *Extras . . . . .             | Double Lined                             |
| *Extras . . . . .             | Heater                                   |
| Dimensions . . . . .          | 416mm Max From Wall Dome Housing 236mm I |

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