

## DS-TP1423

HiWatch™



### Key Features

- 1/3" Progressive Scan CMOS
- 1280x720
- 23X Optical Zoom
- DWDR
- Up to 100m IR distance
- 3D intelligent positioning function
- Support Turbo HD and CVBS output

## Function Description

### **System function:**

- *1/3" high performance CMOS, up to 1280x720 resolution*
- *±0.1° Preset Accuracy*
- *Self-adaptive to HIKVISION, Pelco-P/D protocol*
- *3D intelligent positioning function*
- *Power-off memory function: restore PTZ & Lens status after reboot*
- *Built-in temperature sensor, with display of internal temperature*
- *Lightning protection, surge protection and voltage transient protection*
- *IP66 standard (outdoor dome)*
- *RS-485 communication diagnosis*
- *Scheduled PTZ movement*
- *UTC(Up the Coax) function*
- *CVBS output*

### **Camera function:**

- *Auto focus, auto white balance, backlight compensation and auto/manual day & night switch*
- *Privacy masks programmable*
- *3D DNR*
- *DWDR*

### **PTZ function:**

- *360° endless pan range and -15°-90° tilt range*
- *80° /s Pan Preset Speed and 80° /s Tilt Preset Speed*
- *0.1°-80° /s Manual Pan Speed and 0.1° -80° /s Manual Tilt Speed*
- *256 presets programmable; preset image freezing capability*
- *8 patrols, up to 32 presets per patrol*
- *4 patterns, with the total recording time not less than 10 minutes*
- *Proportional zoom function*
- *Park action: auto call up of PTZ movement, after a defined time of inactivity*

### **IR function:**

- *0 Lux minimum illumination*
- *Up to 100m IR distance*
- *IR light MTBF reaching up to 30,000 hours*

## Function Description

### **System function:**

- 1/3" high performance CMOS, up to 1280x720 resolution
  - $\pm 0.1^\circ$  Preset Accuracy
  - Self-adaptive to Pelco-P/D protocol
  - 3D intelligent positioning function
  - Power-off memory function: restore PTZ & Lens status after reboot
  - Built-in temperature sensor, with display of internal temperature
  - Lightning protection, surge protection and voltage transient protection
  - IP66 standard (outdoor dome)
  - RS-485 communication diagnosis
  - Scheduled PTZ movement
  - UTC(Up the Coax) function
  - CVBS output
- Manual Tilt Speed*
- 256 presets programmable; preset image freezing capability
  - 8 patrols, up to 32 presets per patrol
  - 4 patterns, with the total recording time not less than 10 minutes
  - Proportional zoom function
  - Park action: auto call up of PTZ movement, after a defined time of inactivity

### **IR function:**

- 0 Lux minimum illumination
- Up to 100m IR distance
- IR light MTBF reaching up to 30,000 hours
- Smart IR mode

### **Camera function:**

- Auto focus, auto white balance, backlight compensation and auto/manual day & night switch
- Privacy masks programmable
- 3D DNR, digital zoom
- DWDR, EIS

### **PTZ function:**

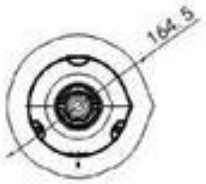
- 360° endless pan range and -15° -90° tilt range
- 80° /s Pan Preset Speed and 80° /s Tilt Preset Speed
- 0.1° -80° /s Manual Pan Speed and 0.1° -80° /s

<b>Model</b>	<b>DS-TP1423</b>
<b>Camera Module</b>	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.05Lux@( F1.4,AGC ON); B/W: 0.005Lux@( F1.4,AGC ON), 0 Lux with IR
Max. Image Resolution	1280 × 720
Focal Length	4-92.0mm, 23x
Digital Zoom	16X
Zoom Speed	Approx.3s(Optical Wide~Tele)
Angle of View	49-2.2 degree(Wide~Tele)
Min. Working Distance	10~1,000mm(Wide~Tele)
Aperture Range	F1.4-F3.5
Focus Mode	Auto / Semiautomatic / Manual
DWDR	Support
S / N Ratio	≥ 50dB
Shutter Time	1-1/10,000s
AGC	Auto / Manual
White Balance	Auto / Manual / ATW / Indoor / Outdoor
Day & Night	IR Cut Filter
Privacy Mask	8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen
Enhancement	3D DNR, BLC, EIS
<b>Pan and Tilt</b>	
Range	Pan:360°endless; Tilt: -15°~90°(Auto Flip)
Speed	Pan Manual Speed: 0.1°~80°/s, Pan Preset Speed: 80°/s
	Tilt Manual Speed: 0.1°~80°/s, Tilt Preset Speed: 80°/s
Number of Preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 minutes
Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Panorama scan
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Panorama scan
RS-485 communication diagnosis	Support
<b>Infrared</b>	
IR Distance	Up to 100m
IR Intensity	Automatically adjusted, depending on the zoom ratio
<b>Input/ Output</b>	
Turbo HD Output	1 turbo HD720P/1080P output, 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
CVBS Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
RS-485 Interface	Half-duplex mode
	Self-adaptive Pelco-P, Pelco-D protocol
<b>General</b>	
Menu Language	English
Power	12VDC, Max.18W
Working	-30 °C-65°C(-22°F-149°F)

HD TVI PTZ Camera

Temperature /	
Humidity	90% or less
Protection Level	IP66 standard
	TVS 4,000V lightning protection, surge protection and voltage transient protection
Mounting	Various mounting modes optional
Dimensions	Φ164.5(mm)×295(mm)
Weight (approx.)	2Kg (4.41lbs)

## Dimensions



Unit:mm