



HAP312-IR



FEATURES

1/3" High Performance CMOS HD-TVI 1080P IR Outdoor 23x PTZ Dome Camera

- 0 Lux illumination
- up to 360ft IR distance
- IR Light MTBF reaching up to 30,000 hours
- 1/3" high performance CMOS, up to 1920×1280 resolution
- $\pm 0.1^\circ$ 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
- RS-485 communication diagnosis
- Scheduled PTZ movement
- 360° endless pan range and -15°-90° tilt range
- Up to 360 ft IR distance
- 24VAC

Specifications	
Model Number	HAP312-IR
Image Sensor	1/3" CMOS
Max. Image Resolution	1920×1080
Frame Rate	50Hz:25fps(1920×1080) 60Hz:30fps(1920×1080)
Min. Illumination	Color: 0.02Lux@(F1.6,AGC ON) B/W: 0.002Lux@(F1.6,AGC ON) 0 lux with IR

Specifications	
HD Video Output	1 HD-TVI out - 1 Analog
Wide Dynamic Range	True WDR
White Balance	Auto / Manual / ATW / Indoor / Outdoor
AGC	Auto / Manual
S / N Ratio	≥ 50dB
3D DNR	Support
Backlight Compensation	Support
Shutter Time	PAL: 1-1/10,000s NTSC: 1-1/10,000s
Day & Night	IR Cut Filter
Optical Zoom	23X
Digital Zoom	16x
Privacy Mask	8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen
Focus Model	Auto / Semiautomatic / Manual
Focal Length	4-92mm, 23X
Zoom Speed	Approx.3.0s(Optical Wide-Tele)
Angle of View	49-2.2 degree(Wide-Tele)
Min. Working Distance	10-1500mm (Wide-Tele)
Aperture	F1.6-F3.7
Pan Range	360° endless
Pan Speed	Pan Manual Speed: 0.1°-160°/s,
Pan Speed	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s
Tilt Range	-15°-90° (Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
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
Power-off Memory	Support
Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan
PTZ Position Display	On / Off
Preset Freezing	Support
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan
RS-485 communication diagnosis	Pelco-P, Pelco-D, OSD (UTC control) via DVR
IR Distance	up to 360 ft
IR Intensity	Automatically adjusted, depending on the zoom ratio
Monitor Output	1 turbo HD1080p output

Specifications	
RS-485 Interface	Half-duplex mode Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol
Menu Language	English, Chinese
Power	24VAC, Max. 30W(IR: 9W, Heater: 6W)
Working Temperature / Humidity	-30 °C-65°C(-22°F-149°F)(outdoor dome) 90% or less
Protection Level	IP66 standard TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ8.66"×13.91"
Weight (approx.)	12.31 Lbs
Wall, Pendant Mount	W: HTH-602-ZJ, P: HTH-661(2)-ZJ
Pole, Corner Mount	P: HTH-602ZJ-POLE, C: HTH-602ZJ-CORNER