



HAP312-ID



FEATURES

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

- 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
- RS-485 communication diagnosis
- Scheduled PTZ movement
- UTC (Up the Coax) function
- 360° endless pan range and -5°-90° tilt range
- 24VAC

Specifications	
Model Number	HAP312-ID
Image Sensor	1/3" CMOS
Effective Pixel	1920×1080
Frame Rate	50Hz:25fps(1280×1080) 60Hz:30fps(1280×1080)
Min. Illumination	Color: 0.05Lux@(F1.6,AGC ON), B/W: 0.005Lux@(F1.6,AGC ON)
Max Image Resolution	1080p
Wide Dynamic Range	DWDR

Specifications	
Shutter Time	NTSC: 1-1/10,000s
Focal Length	4-92mm, 23X
Optical Zoom	23X
Digital Zoom	16x
HD Video Output	1 HD-TVI out - 1 Analog
White Balance	Auto / Manual / ATW / Indoor / Outdoor
AGC	Auto / Manual
S / N Ratio	≥ 50dB
3D DNR	Support
Backlight Compensation	Support
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
Focus Model	Auto / Semiautomatic / Manual
Zoom Speed	Approx.3.0s(Optical Wide-Tele)
Angle of View	49-2.2 degree(Wide-Tele)
Min. Working Distance	10-1000mm (Wide-Tele)
Aperture	F1.6-F3.7
Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan
Pan Range	360° endless
Pan Speed	Pan Manual Speed: 0.1°-250°/s, Pan Preset Speed: 300°/s
Tilt Range	-5°-90° (Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.1°-150°/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 Memor	Support
PTZ Position Display	On / Off
Preset Freezing	Support
Monitor Output	1 turbo HD1080p output 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
RS-485 communication diagnosis	Pelco-P, Pelco-D, OSD (UTC control) via DVR
RS-485 Interface	Half-duplex mode Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol
Menu Language	English, Chinese
Power	24VAC, Max. 20W
Operating Temperature	-30 °C-65°C(-22°F-149°F)

Specifications	
Dimension	φ9.65"×9.29"
Weight	6.61lbs