



HAP312-OD



FEATURES

1/3'' High Performance CMOS HD-TVI 1080P Outdoor 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
- IP66 standard (outdoor dome)
- 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-OD
Video Format	PAL/NTSC
Frame Rate	60Hz:30fps(1280×1080)
Image Sensor	1/3'' CMOS
Effective Pixels	1920 x 1080
Min. Illumination	Color: 0.05Lux@(F1.6,AGC ON), B/W: 0.005Lux@(F1.6,AGC ON)
Max Image Resolution	1080p

Specifications	
Wide Dynamic Range	DWDR
Shutter Speed	PAL: 1-1/10,000s NTSC: 1-1/10,000s
Frame Rate	60Hz:30fps(1280×1080)
Focal Length	4-92mm, 23X
Alarm I/O	2/1
Optical Zoom	23X
Digital Zoom	16x
HD Video Output	1 HD-TVI out - 1 Analog
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
Tilt Range	-5°-90° (Auto Flip)
Pan Speed	Pan Manual Speed: 0.1°-250°/s, Pan Preset Speed: 300°/s
Tilt Speed	Tilt Manual Speed: 0.1°-150°/s, Tilt Preset Speed: 200°/s
Day & Night	IR Cut Filter
Protection Level	IP66 standard (outdoor dome) TVS 4,000V lightning protection, surge protection and voltage transient protection
Power	24VAC, Max. 20W
White Balance	Auto / Manual / ATW / Indoor / Outdoor
AGC	Auto / Manual
S / N Ratio	≥ 50dB
3D DNR	Support
Backlight Compensation	Support
True WDR	100dB
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
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
PTZ Position Display	On / Off
Preset Freezing	Support

Specifications	
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
UTC function	HDCAM_C *Need UTC controller if DVR don't support UTC function
Menu Language	English, Chinese
Operating Temperature	-30 °C-65°C(-22°F-149°F)
Dimension	φ8.66"×12.00"
Weight	6.61 Lbs
Wall, Pendant Mount	W: HTH-602-ZJ, P: HTH-661(2)-ZJ
Pole, Corner Mount	P: HTH-602ZJ-POLE, C: HTH-602ZJ-CORNER