



HAP112-OD



FEATURES

720P HD-TVI Vandal-Proof PTZ

- 1/3" Progressive Scan CMOS
- 720P Full HD resolution
- 23X Optical zoom, 16X digital zoom
- Day/Night, D WDR , 3D DNR
- 3D intelligent positioning
- Compact design

Specifications	
Model Number	HAP112-OD
Image sensor	1/3" Progressive Scan CMOS
Min. illumination	Color: 0.05 Lux@(F1.6, AGC On) ; B/W: 0.05 Lux@(F1.6, AGC On)
White balance	Auto/Manual/ATW/Indoor/Outdoor
AGC	Auto / Manual
S / N ratio	≥ 50dB
Digital noise reduction	3D DNR
Backlight compensation	HLC/BLC
Wide Dynamic Range	Digital WDR
Shutter speed	1/1~ 1/10,000s
Day & Night	IR Cut Filter
Digital zoom	16X
Focus mode	Auto / Semiautomatic / Manual
Privacy Mask	8 privacy masks programmable

Specifications	
Focal length	4 ~ 92mm, 23X
Zoom speed	Approx.1s (Optical Wide-Tele)
Angle of view	49 ~ 2.2 degree (Wide-Tele)
Min. working distance	10 ~1000mm (Wide-Tele)
Aperture range	F1.6 ~ F3.7
Pan / Tilt range	Pan: 360° endless; Tilt: -10° ~ 90°(Auto Flip)
Pan / Tilt speed	Pan manual speed: 0.1° ~160°/s, Pan preset speed: 160°/s Tilt manual speed: 0.1°~120°/s, Tilt preset speed: 120°/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
Park action	Pattern/Pan scan/Tilt scan/Patrol/Panorama scan
Power-off memory	Support
PTZ position display	Support
Preset freezing	Support
Scheduled task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output
Video output	TVI/CVI/AHD/CVBS (adjustable through dip switch in unit. chart can be found here)
Audio input	N/A
Audio output	N/A
Alarm I/O	2/1
Max. image resolution	1280 x 720
Frame rate	30 fps (1280×720)
Power	24VAC, Max 18W
Working temperature	-30°C ~ 65°C (-22°F ~ 149°F)
Humidity	90% or less
Protection level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ7.28"×12.99"
Weight	8.81lbs
Wall, Pendant Mount	W: HTH-602-ZJ P: HTH-661(2)-ZJ
Pole, Corner Mount	P: HTH-602ZJ-POLE, C: HTH-602ZJ-CORNER