



**PTZ CAMERA SERIES**

Network IR Speed Dome Camera

# 9700 SERIES

2Megapixel Starlight Camera



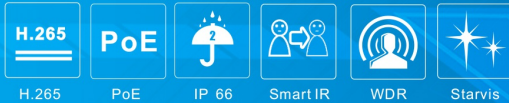
**H.265**  
Compression Code

**2M PIXEL** Network IR Speed Dome



# 9700 SERIES

2Megapixel Starlight Camera



## Feature

- 1/2.8" 2MP progressive scan CMOS
- Up to 1920 x 1080@30fps resolution
- Min. illumination: Color: 0.005 Lux@(F1.6, AGC ON)  
B/W: 0.001 Lux@(F1.6, AGC ON) 0 Lux with IR
- 20X optical zoom, 16x digital zoom
- WDR, HLC, BLC, 3D DNR, Defog
- Up to 150m smart IR distance
- PoE (802.3 at class 4)
- Support H.265+/H.265 video compression



**H.265**  
Compression Code

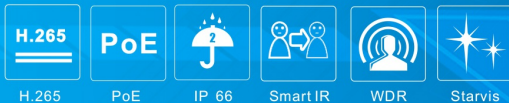
## Specification

1/2

Model	HP-97PTZ20STPE
Image Sensor	1 / 2.8" progressive scan CMOS
Min. Illumination	Color: 0.006 lux @F1.6, AGC ON B/W: 0.003lux @F1.6, AGC ON 0 lux with IR
White Balance	Auto/Manual/ATW (Auto-tracking WB) Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
S/N ratio	More than 50dB
Gain	Auto/Manual
Shutter Time	50Hz: 1/1 s~1/25,000 s 60Hz: 1/1 s~1/30, 000 s
Day&Night	IR Cut Filter
Privacy Mask	4 programmable privacy masks
Focus Mode	Auto/Manual
WDR	True WDR, 2 frames in one
<b>Lens</b>	
Focal Length	5.5-110mm, 20x optical zoom
Zoom Speed	Approx. 3.5s (optical lens, Wide-TELE)
Field of View	Horizontal field of view: 52.0° to 1.78° (Wide-TELE) Vertical field of view: 29.3° to 3.15° (Wide-TELE) Diagonal field of view: 59.7° to 3.62° (Wide-TELE)
Working Distance	Wide:1.0m-INF / Tele: 1.5m-INF
Aperture Range	F1.6 (Wide) to F3.5 (TELE)
<b>IR</b>	
IR Distance	150m
Smart IR	Support
<b>PTZ</b>	
Pan Range	360° endless
Pan Speed	Configurable, from 0.5/s to 80/s; Preset speed: 80/s
Tilt Range	From -5° to 90° (auto-flip)
Tilt Speed	Configurable, from 0.5/s to 80/s; Preset speed: 80/s
Proportional Zoom	Support
Preset	360
Cruise	8 cruises, up to 16 presets for each cruises
Track	4 tracks, record time over 3 minutes for each track
Power-off Memory	Support
Action Mode	Preset/Cruise/Track/Auto Scan/Random Scan
3D Positioning	Support
PTZ Position Display	Support
Scheduled Task	Preset/Cruise/Track/Random Scan/Boundary Scanning/Dome Reboot
<b>Compression Standard</b>	
Video Compression	H.265 / H.264 / MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile

# 9700 SERIES

2Megapixel Starlight Camera



## Feature

- 1/2.8" 2MP progressive scan CMOS
- Up to 1920 x 1080@30fps resolution
- Min. illumination: Color: 0.005 Lux@(F1.6, AGC ON)  
B/W: 0.001 Lux@(F1.6, AGC ON) 0 Lux with IR
- 20X optical zoom, 16x digital zoom
- WDR, HLC, BLC, 3D DNR, Defog
- Up to 150m smart IR distance
- PoE (802.3 at class 4)
- Support H.265+/H.265 video compression



**H.265**  
Compression Code

## Specification

2/2

Model	HP-97PTZ20STPE
Video Bit Rate	128Kbps ~ 6Mbps
SVC	Support
Smart Features	
Basic Event	Motion Detection, Video Tampering Detection, Exception
Smart Event	Object Removal Detection, Intrusion Detection, Line Crossing
Smart Record	Detection, People Intrusion and People Counting
Image	ANR (Automatic Network Replenishment)
Max. Resolution	1920 X 1080
Main Stream	50Hz: 25fps (1920 x 1080, 1280 x 720) 60Hz: 30fps (1920 x 1080, 1280 x 720)
Sub Stream	50Hz: 25fps (1280 x 720, D1, CIF) 60Hz: 30fps (1280 x 720, D1, CIF)
Third Stream	50Hz: 25fps (D1 , 480 x 240, CIF) 60Hz: 30fps (D1, 480 x 240, CIF)
Image Enhancement	WDR/HLC/BLC/3D DNR/Defog/Regional Exposure Regional Focus
Network	
Network Storage	Built-in micro SD card slot, up to 128GB
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE
API	ONVIF, support TVT API and third-party management platform
Simultaneous Live View	Up to 6 channels
User/Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
Client	VMS-9000 Client
Web Browser	IE8-11, Chrome 31.0 to 44, Firefox 30.0 to 51
Interface	
Network Interface	1 RJ45 10M/100M Ethernet, PoE (802.3at, class4)
General	
Power	12VDC, 2.0A and PoE (802.3at, class 4); 42.5 to 57 VDC, 0.6A, Class4 Max.18W, including max.7W for IR
Working Environment	-30C~55C(-22F~131F), ≤ 90% RH
Protection Level	IP 66 Standard, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	ADC12, PC, PC+10%GF