30X 5G/4G Auto tracking HD IP PTZ Camera



ASP30R-5.0MP

Key features:

- 30X optical zoom + 300X digital zoom, auto focus
- SSC377DM + IMX335 1/2.8" CMOS
- 5.0MP
- True Day/Night, 3D DNR, Digital WDR
- Backlight compensation, and auto gain control (AGC)
- 3D intelligent positioning, 254 programmable presets
- Support the P2P on Android, IOS
- Pan tilt rotation, horizontal: 360° & vertical: 90°
- Support ONVIF2.6
- H.265+/H.265/H.264 main profile dual-stream encoding, two simultaneous video streams
- Standard SDK, CGI, easily to be integrated with other digital systems
- Colorful video when day and night, will alarm when detect people
- Support zoom in and out when auto tracking
- Support 5G/4G, net-cable
- Built-in Two-way Audio (Mic + Speaker)

Key Applications:

Surveillance and Security:

- 5G's high-speed, low-latency connectivity allows for real-time monitoring and quick response to security incidents.
- 5G IP cameras can stream high-definition video with minimal lag, enabling comprehensive surveillance coverage.
- 5.0 MP with 30X Optical Zoom + 300X Digital Zoom provides exceptional detail for long-range monitoring.
- Support four defense modes: Intrusion detection, Enter Area detection, Leave Area detection, and Area Invasion detection.
- Voice broadcasting capability for predefined alerts or notifications.
- Auto zoom in/out tracking for following subjects of interest.

Smart City Deployments:

- 5G IP cameras can be used for traffic monitoring, parking management, and infrastructure monitoring in smart city initiatives.
- The increased bandwidth and low latency of 5G enables real-time data processing and decision making for city operations.
- 5G IP cameras can be integrated with other IoT devices and sensors to create a comprehensive smart city ecosystem.
- 30X optical zoom allows monitoring of wide areas with ability to zoom in on specific incidents or license plates.

Remote Monitoring and Inspection:

- 5G enables live video streaming from IP cameras in remote or hard-to-access locations, such as construction sites, power plants, or oil rigs.
- Professionals can perform real-time inspections and maintenance checks using the high-quality video feed from 5G IP cameras.
- 360° horizontal and 90° vertical pan-tilt rotation provides complete area coverage.
- Two-way audio (Mic + Speaker) enables remote communication with on-site personnel.

Public Safety and Emergency Response:

- 5G IP cameras can be deployed in public spaces, transportation hubs, and emergency response vehicles to provide situational awareness.
- The low latency of 5G allows for immediate transmission of critical video data to command centers during crisis situations.
- 5G IP cameras can be integrated with public safety systems for enhanced coordination and decision-making.
- AI-powered human and vehicle detection with intelligent alarm systems for rapid threat identification.

Main Feature Highlights:

- Supports 5G and 3G/4G LTE networks across global frequency bands.
- Professional design for HD network camera, compact, durable, and refined.
- Material: aluminum alloy, innovative patented heat dissipation structure, makes HD camera work well under high temperature.
- Outdoor IP Camera, IP66 Waterproof and Weatherproof.
- 5.0 megapixel, IMX335 1/2.8" illumination CMOS sensor.
- Advanced digital signal processing technology, high brightness imported SMT IR source, shows the best HD video effects in both day and night environment.
- 5.0 Megapixel HD lens with 30X optical zoom (4.7-141mm) auto focus lens plus 300X digital zoom
- 1pcs Laser IR LED + 8pcs Smart IR Array LEDs and 8pcs White LEDs, IR Distance 180m.
- Support 3D DNR, auto white balance, auto electronic shutter, auto electronic gain, real color reproduction, high resolution image.
- Support RTMP (Real-Time Messaging Protocol) to blend audio, video, and text together. It is also possible to have many variations of media channels.
- Built-in two-way audio (Mic + Speaker) for remote communication.
- Support AI Human Recognition & Detection with Automatic Human Tracking.
- Support 512G max TF card for storage, support Cloud storage.
- ONVIF protocol, provide the SDK for easy integration.

Technical Specifications:

Model No.	**ASP30R-5.0MP**
Image sensor	5.0M Pixels Progressive Scan CMOS
Chipset	SSC377DM + IMX335, 1/2.8" CMOS
Signal System	PAL/NTSC
Focal length	30X optical zoom (F=4.7-141mm) + 300X digital zoom Total Zoom: 30X Optical + Digital 300X
IR LEDS	1pcs Laser IR Leds + 8pcs Smart IR Array LEDs and 8pcs White Leds, IR Distance 180m
Aperture Range	F1.5~F1.9
Angle of View	55.3° (Wide) / 5.8° (Tele)
Zoom speed	Approx 3s (Optical Wide-Tele)
Image Resolution - Main stream	5MP 25FPS@2592×1944, 30FPS@(2560×1440, 2304×1296, 1920×1080, 1280×720)
Image Resolution - Sub-stream	25FPS@720×480, D1, VGA, 640×360 1-25(30)fps: 640×480, 480×360, 352×288, 176×144
Min. Illumination	Color: 0.05Lux@(F1.6, AGC ON) B/W: 0.01Lux@(F1.6, AGC ON)
Wide dynamic range	Digital WDR, ≥100dB
S/N ratio	≥50dB (AGC OFF)
AGC	Auto / Manual

White balance	Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Digital noise Reduction	DNR, 3DNR
Exposure mode	Auto/Manual/shutter mode (shutter range variable)
Shutter speed	1/2 - 1/20,000s
Day & Night	Day / Night / External control (IR Cut Filter)
Number of preset	254
Auto tracking	YES
5G/4G, net-cable	YES
TF card slot	Optional (512G max)
Two way audio	Built-in (Mic + Speaker)
PTZ function	8 Patrol, 8 Pattern
Pan tilt rotation	Horizontal: 360° & Vertical: 90°
Streams	Dual streams
Bitrate	CBR/VBR, bitrate: 32Kbps~10Mbps variable
Video Compression	H.265+/H.265/H.264 Main Profile
Audio Compression	G711A
OSD	Support zoom, camera name, time display, OSD position can be adjusted
APP	Videolink
Intelligent alarm	Humanoid detection, Vehicle detection, Motion detection, shadow alarm, network cable break, IP address conflict
Privacy Zone Masking	4 area
Protocol	TCP/IP, HTTP, NTP, IGMP, DHCP, UDP, SMTP, RTP, RTSP, ARP, DDNS, DNS, P2P, RTMP, Support Private protocol XM NVR, Private protocol Hikvision Protocol, Work iVMS-4200, UC2
Power Supply	12VDC 2A
5G Technical parameters Standard	5G Sub-6 TDD-NR N38/41/77/78/79 5G Sub-6 FDD-NR N1/3/5/8/20/28 LTE FDD Band B1/3/5/7/8/19/20/28 LTE TDD Band B38/40/41/42/43 WCDMA Band 1/3/5/8/19
5G Technical parameters NA (North America)	5G Sub-6 TDD-NR N41/48/77/78 5G Sub-6 FDD-NR N2/5/7/12/25/66/71 LAA Band 46 LTE FDD Band 2/4/5/7/12/13/14/17/25/26/29/30/66/71 LTE TDD Band 41/42/43/48 WCDMA Band 1/2/4/5/8
Package size	285mm×175mm×285mm (L×W×H)
Working Temperature	-30°C ~60°C, Humidity≤90%RH

