



**HNP512A-IR-36X**

**2MP 36x Network IR Speed Dome**

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| HNP512A-IR-36X 2MP 36× Network IRSpeed Dome adopts 1/1.8" progressive scan CMOS chip. With the 36× optical zoom lens, the camera offers more details over expansive areas.This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc. | **Key Features*** 1/1.8" progressive scan CMOS
* Up to 1920 × 1080 resolution
* Min. Illumination:

Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON)0 Lux with IR* 36× optical zoom, 16× digital zoom
* 120dB WDR, 3D DNR, HLC, Smart IR
* 24 VAC & Hi-PoE
* Up to 200 m IR distance
* Support H.265+/H.265 video compression
* Support rapid focus
* Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
* IK10, IP67
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**Specification**

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| **Camera Module** |
| Image Sensor | 1/1.8" progressive scan CMOS |
| Min. Illumination | Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON)0 Lux with IR |
| Shutter Time | 1/1 s to 1/30,000 s |
| White Balance | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp |
| AGC | Auto/Manual |
| Day & Night | IR cut filter |
| Digital Zoom | 16× |
| Privacy Mask | 24 programmable polygon privacy masks |
| Focus Mode | Auto/Semi-automatic/Manual |
| 3D DNR | Support |
| BLC | Support |
| HLC | Support |
| WDR | 120dB |
| Optical Defog | Support |
| EIS | Support |
| Regional Exposure | Support |
| Regional Focus | Support |
| Rapid Focus | Support |
| **Lens** |
| Focal Length | 5.7 mm to 205.2 mm, 36× Optical |
| Zoom Speed | Approx.4.4 s (optical lens, wide-tele) |
| Field of View | Horizontal field of view: 59.8° to 2.0° (wide-tele) Vertical field of view: 33.6° to 1.1° (wide-tele) Diagonal field of view: 68.6° to 2.3° (wide-tele) |
| Working Distance | 10 mm to 1500 mm (wide-tele) |
| Aperture Range | F1.5 to F4.5 |
| **PTZ** |
| Movement Range (Pan) | 360° endless |
| Pan Speed | Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s |
| Movement Range (Tilt) | From -20° to 90° |
| Tilt Speed | Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s |
| Proportional Zoom | Support |
| Presets | 300 |
| Patrol Scan | 8 patrols, up to 32 presets for each patrol |
| Pattern Scan | 4 pattern scans, record time over 10 minutes for each scan |
| Power-off Memory: | Support |
| Park Action | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan |
| PTZ Status Display | Support |
| Preset Freezing | Support |
| Scheduled Task | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output |
| **Smart Features** |
| Perimeter Protection | Intrusion, Line Crossing, Region Entrance, Region ExitingSupport alarm triggering by specified target types (human and vehicle)Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc. |



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| Event Detection | Face Detection, Audio Exception Detection |
| Smart Tracking | Manual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Event Tracking |
| Smart Record | ANR (Automatic Network Replenishment), Dual-VCA |
| ROI | Support |
| **IR** |
| IR Distance | 200 m |
| Smart IR | Support |
| **Network** |
| Max. Resolution | 1920 × 1080 |
| Main Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)50fps (1920 × 1080, 1280 × 960, 1280 × 720)60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)60fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288)60Hz: 30fps (704 × 480, 640 × 480, 352 × 240) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288)60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| ROI | Support |
| SVC | Support |
| Video Compression | Main Stream: H.265+/H.265/H.264+/H.264 Sub-Stream: H.265/H.264/MJPEGThird Stream: H.265/H.264/MJPEGH.264 with Baseline/Main/High Profile |
| Audio compression | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users3 levels: Administrator, Operator and User |
| Security Measures | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering |
| **System Integration** |
| Alarm Interface | 7-ch alarm input/2-ch alarm output |
| Audio Interface | 1-ch audio input (applicable microphone, plug-in power type), 2 to 2.4 V[p-p], 1 KΩ ± 10% 1-ch audio output, line level, impedance: 600 Ω |
| Alarm Linkage | Alarm actions, such as Preset, Patrol Scan, Pattern Scan, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc. |
| Network Interface | 1 RJ45 10 M/100 M Ethernet Interface; Hi-PoE |
| CVBS | Support |
| RS-485 | HIKVISION, Pelco-P, Pelco-D, self-adaptive |
| Storage | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR |
| API | Open-ended, support ONVIF, and CGI, support HIKVISION SDK and Third-Party Management Platform |
| Client | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect |
| Web Browser | IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51 |
| **General** |
| Power | 24 VAC (Max. 60 W) Hi-PoE (Max. 50 W) |
| Working Temperature | Outdoor: -40°C to 70°C (-40°F to 158°F) |
| Working Humidity | ≤ 90% |



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| Protection Level | IP67 Standard, IK10 (only supported by camera without wiper), TVS 6,000V LightningProtection, Surge Protection and Voltage Transient Protection |
| Dimensions | Φ 266.6 mm × 410 mm (Φ 10.50" × 16.14") |
| Weight | Approx. 8 kg (17.64 lb) |

**Dimensions**

**Order Model**

HNP512A-IR-36X

266.6

410



Unit: mm

**Accessories**



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| HTH-604ZJ | Wall Mounting Bracket |
| HTH-604ZJ-box | Wall Mounting Bracket with Junction Box |
| HTH-604ZJ-box-pole | Vertical Pole Mounting Bracket with Junction Box |
| HTH-604ZJ-box-corner | Wall Mounting Bracket with Junction Box |
| HTH-660ZJ | Parapet Wall Mounting Bracket |
| HTH-619ZJ | Gooseneck Mounting Bracket |
| HTH-661ZJ | Pendant Mounting Bracket |
| HTH-662ZJ | Pendant Mounting Bracket |
| HTH-663ZJ | Ceiling Mounting Bracket |
| HTH-667ZJ | Extendable Pole for Pendant Mounting Bracket |
| HTH-673ZJ | Horizontal Pole Mounting Bracket |
| HTH-682ZJ | Extendable Pole for Pendant Mounting Bracket |