

**This Micro-designed 3’’ PTZ Mini Dome Camera shows the easiest installation, adjustment and maintenance that you have ever seen. It is a fantastic and practical camera for outdoor. In addition, the HNP103-OD4X support 4X zoom technology, and PoE&12VDC power supply. Embedded with 1/2.8’’ progressive scan CMOS chip makes DWDR and 3MP real-time resolution possible. With the pan/tilt and 4X zoom Day/Night lens, the camera offers more details in the outdoor environments.**

**Perfect View Mini PTZ Dome Cameras also features a wide range of functions, including intrusion detection, line crossing detection, motion detection and audio exception, benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs.**

**Key Features**

* **1/ 2.8” progressive scan CMOS**
* **Up to 2048x1536 resolution**
* **4X Optical Zoom**
* **DWDR**
* **Support IP67/IK10**
* **PoE(802.3af)**
* **Support RS485**
* **Support plug & play**

**HNP103-OD4X**

**3MP Network Mini PTZ Dome Camera**

**Function Description**

**Basic Function**

* High performance CMOS, up to 2048x1536@30fps resolution
* ±0.1° Preset Accuracy
* ONVIF (Open Network Video Interface Forum), CGI (Common Gateway Interface), ISAPI, to ensure greater interoperability between different platforms and compatibility
* 3D intelligent positioning function
* Power-off memory function: restore PTZ & Lens status after reboot
* Support RS485
* Support IP67/IK10
* PoE(802.3af)

**Functions**

* Detections: intrusion detection, line crossing detection, audio exception detection, motion detection
* Recording: edge recording, support smart search in smart NVR
* Support low bit rate, ROI

**Camera Function**

* Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
* Min Illumination: 0.05 Lux @ (F1.6, AGC ON)(Color), 0.01 Lux @ (F1.6, AGC ON)(B/W)
* Support 8 privacy masks

**PTZ Functions**

* 0-350° pan range and 0°-90° tilt range
* 0.1°-60°/s Manual pan speed and 0.1°-50°/s manual tilt speed
* 300 presets programmable
* 8 patrols, up to 32 presets per patrol

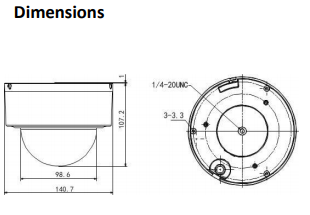
**Network Function**

* Built-in Web server
* Micro SD card local storage, up to 128 GB
* Support up to 8 NAS storage; Transmit the videos from SD card to the NAS after network resumed
* HTTPS encryption and IEEE 802.1x port-based network access control
* Support three streams H.265+/H.265/H.264+/H.264/MJPEG video compression; Basic and advanced video configuration; Real time video at 2048 x 1536
* Multiple network protocols supported: IPv4/IPv6, TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS Support IP67/IK10
* 1 audio input and 1 audio output
* 1 alarm input and 1 alarm output, alarm linkage support preset, recording, relay output, upload center, etc.

|  |  |
| --- | --- |
| **Specifications** | |
| ***Camera Module*** | |
| Image Sensor | 1/ 2.8” Progressive Scan CMOS |
| Min Illumination | F1.6, AGC On : Color : 0.05 lux, B/W : 0.01 lux |
| Max Image Resolution | 2048x1536 |
| Focal Length | 2.8~12mm, 4X |
| Digital Zoom | 16X |
| Zoom Speed | Approx 1s (Wide-tele) |
| Angle of View | 105~33.5 degree (Wide-tele) |
| Aperature Range | F1.6~F2.7 |
| Focus Mode | Auto/Semiautomatic/Manual |
| DWDR | Support |
| Shutter Time | 1/1-1/10,000s |
| AGC | Auto/Manual |
| White Balance | Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp |
| Day & Night | IR Cut Filter |
| Privacy Mask | 8 privacy masks programmable |
| Enhancement | 3D DNR, HLC/BLC |
| ***Pan and Tilt*** | |
| Range | Pan: 0~350°; Tilt: 0°~90° |
| Speed | Pan Manual Speed: 0.1°~60°/s  Tilt Manual Speed: 0.1°~50°/s |
| Number of Preset | 300 |
| Patrol | 8 patrols, up to 32 presets per patrol |
| Park Action | Preset/Patrol |
| Scheduled Task | Preset/Reboot/Patrol/Self test/Aux Output |
| ***Features*** | |
| Detection | Intrusion detection, line crossing detection, audio exception detection, motion detection |
| ROI encoding | Support 4 areas with adjustable levels |
| ***Alarm*** | |
| Alarm I/O | 1/1 |
| Alarm Trigger | Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action | Preset, Recording, Relay output, Upload center, Upload FTP, Email linkage |
| ***Input/Output*** | |
| Audio Input | 1 audio input (Mic/Line in), 2~2.4V[p-p]; output impedance: 1KΩ, ±10% |
| Audio Output | 1 output, Line level, impedance: 600Ω |
| ***Network*** |  |
| Ethernet | 10Base-T/100Base-TX, RJ45 Connector |
| Stream | Support three streams |
| Main Stream | 50Hz:25fps (2048×1536,1920×1080,1280×960,1280×720), 50fps (1280×960,1280×720)  60Hz: 30fps(2048×1536,1920×1080,1280×960,1280×720), 60fps (1280×960,1280×720) |
| Sub Stream | 50Hz: 25fps (704 × 576), 25fps (640 × 480), 25fps (320 × 288)  60Hz: 30fps (704 × 480), 30fps (640 × 480), 30fps (320 × 240) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480, 320 × 288)  60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480, 320 × 240) |
| Image Compression | H.265+/H.265/H.264+/H.264/MJPEG |
| Audio Compression | G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM |
| Protocols | IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IG MP,ICMP,DHCP, PPPoE |
| Simultaneous Live View | Up to 20-ch |
| User/Host level | Up to 32 users, 3 levels: Administrator, Operator, User |
| Security measures | User authentication (ID and PW); Host authentication (MAC address); IP address filtering |
| Mini SD Memory Card | Support up to 128GB Micro SD/SDHC/SDXC card. Support Edge Recording |
| ***System Integration*** | |
| Application Programming | Open-ended API, support ONVIF, ISAPI, CGI and Genetec |
| Web Browser | IE 7+, Chrome, Firefox, Safari |
| Power | POE (802.3af, class3) & 12 VDC, Max 8W |
| Working Temperature | -30°C ~ 65°C (-22°F ~ 149°F) |
| Humidity | 90% or less |
| Protection Level | IP67, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection |
| Certification | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1 |
| Dimensions | Φ140.7×107.2mm |
| Weight | 950g |
| Mount Option | Wall mount: DS-1273ZJ –PT6; In-ceiling Mount: 1227ZJ-PT6; Junction Box: DS-1280ZJ –PT6 |

**Available Models:**

HNP103-OD4X



**050401160509**

**050401160405**