

# NexPro PTZ 36X-2MP/5MP

## 7-Inch 5MP 36× Optical Zoom Intelligent High-Speed PTZ Camera

### Technical Specification Sheet



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### Professional-Grade 7-Inch High-Speed PTZ — Built for Perimeter Surveillance, Industrial Compounds & Large Outdoor Areas

The NexPro PT736X-5MP combines a 5-megapixel ultra-low-light CMOS sensor with a powerful 36× optical zoom lens and 150-meter infrared reach in a weatherproof IP66 housing. Advanced 2D/3D noise reduction and AE exposure algorithms keep night footage clean and usable. Full ONVIF Profile S compliance ensures seamless integration with leading NVR platforms, while **Seetong Client** and **Seetong APP** provide instant mobile and desktop access via **Seetong Cloud**. An open SDK (Linux/Windows) and CGI protocol enable rapid secondary development for custom project requirements.

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### Flexible Network Topologies

|            |                                            |
|------------|--------------------------------------------|
| Topology 1 | IPC — NVR — Seetong Cloud — Seetong Client |
| Topology 2 | IPC — NVR — Seetong Client                 |
| Topology 3 | IPC — NVR — Seetong Cloud — Seetong APP    |
| Topology 4 | IPC — Seetong Client (Direct)              |
| Topology 5 | IPC — Seetong Cloud — Seetong APP          |

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Core Highlights

|                                            |                                        |                                          |                                               |
|--------------------------------------------|----------------------------------------|------------------------------------------|-----------------------------------------------|
| 5MP @ 30fps                                | 36× Optical Zoom                       | 150m IR                                  | IP66                                          |
| 2592×1944 max resolution with smooth 30fps | f=4.6~167mm, F1.6~F4.8, 2.3°~61.2° FOV | Φ42 8-LED array, up to 150m night vision | Outdoor-rated, -40°C to +60°C operating range |

Technical Specifications

| No. | Parameter            | NexPro PT736X-2MP                                | NexPro PT736X-5MP                                                          |
|-----|----------------------|--------------------------------------------------|----------------------------------------------------------------------------|
| 1   | Image Sensor         | 1/2.8" SONY IMX 307                              | 1/3" HiSilicon 3516A + SONY 3335                                           |
| 2   | Video Compression    | H.265 Main Profile / H.264 High Profile / M-JPEG | H.265 Main Profile / H.264 High Profile / M-JPEG                           |
| 3   | Max Resolution       | 1080P (1920×1080)                                | 5MP (2592×1944)                                                            |
| 4   | Effective Pixels     | 2.0 Megapixels                                   | 5.0 Megapixels                                                             |
| 5   | Video Resolution     | 1920×1080 @ 30fps; 1280×720 @ 60fps              | 2592×1944 @ 30fps; 2592×1520 @ 30fps; 2304×1296 @ 30fps; 1920×1080 @ 30fps |
| 6   | Lens                 | 36× optical zoom, f=4.6~167mm                    | 36× optical zoom, f=4.6~167mm                                              |
| 7   | Aperture             | F1.6 ~ F4.8                                      | F1.6 ~ F4.8                                                                |
| 8   | Field of View        | 2.3° ~ 61.2°                                     | 2.3° ~ 61.2°                                                               |
| 9   | Minimum Illumination | Color: 0.01 Lux; B/W: 0 Lux (IR ON)              | Color: 0.01 Lux; B/W: 0 Lux (IR ON)                                        |
| 10  | Day/Night            | IR-CUT auto switch                               | IR-CUT auto switch                                                         |
| 11  | White Balance        | Auto                                             | Auto                                                                       |
| 12  | Gain Control         | Auto                                             | Auto                                                                       |
| 13  | Wide Dynamic         | ≥80dB                                            | ≥80dB                                                                      |
| 14  | S/N Ratio            | ≥50dB (AGC OFF)                                  | ≥50dB (AGC OFF)                                                            |
| 15  | Onboard Storage      | TF card supported                                | TF card supported                                                          |
| 16  | Electronic Shutter   | 1/2 ~ 1/20,000s                                  | 1/2 ~ 1/20,000s                                                            |

| No. | Parameter                     | NexPro PT736X-2MP                                                              | NexPro PT736X-5MP                                                              |
|-----|-------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 17  | <b>Day/Night Mode</b>         | ICR infrared filter auto switch                                                | ICR infrared filter auto switch                                                |
| 18  | <b>Audio Compression</b>      | G.711, PCM                                                                     | G.711, PCM                                                                     |
| 19  | <b>Network Protocols</b>      | TCP/IP, HTTP, NTP, IGMP, DHCP, UDP, SMTP, RTP, RTSP, ARP, DDNS, DNS, P2P       | TCP/IP, HTTP, NTP, IGMP, DHCP, UDP, SMTP, RTP, RTSP, ARP, DDNS, DNS, P2P       |
| 20  | <b>Software Compatibility</b> | IE, CMS, HCMS, Hikvision NVR & iVMS-4200 (V2.02.03.03+), ONVIF, Seetong Client | IE, CMS, HCMS, Hikvision NVR & iVMS-4200 (V2.02.03.03+), ONVIF, Seetong Client |
| 21  | <b>Mobile View</b>            | Windows, Symbian, iPhone, Android via Seetong APP                              | Windows, Symbian, iPhone, Android via Seetong APP                              |
| 22  | <b>P2P</b>                    | Supported (Seetong Cloud)                                                      | Supported (Seetong Cloud)                                                      |
| 23  | <b>Presets</b>                | 128 positions                                                                  | 128 positions                                                                  |
| 24  | <b>Cruise Groups</b>          | 8 groups                                                                       | 8 groups                                                                       |
| 25  | <b>Guard Points</b>           | Up to 16 points, dwell time user-selectable                                    | Up to 16 points, dwell time user-selectable                                    |
| 26  | <b>Pan Range</b>              | 0° ~ 360° continuous                                                           | 0° ~ 360° continuous                                                           |
| 27  | <b>Tilt Range</b>             | 0° ~ 90°                                                                       | 0° ~ 90°                                                                       |
| 28  | <b>Pan Speed</b>              | 0.1° ~ 220°/s                                                                  | 0.1° ~ 220°/s                                                                  |
| 29  | <b>Tilt Speed</b>             | 0.1° ~ 60°/s                                                                   | 0.1° ~ 60°/s                                                                   |
| 30  | <b>Position Display</b>       | Supported                                                                      | Supported                                                                      |
| 31  | <b>IR LED Control</b>         | PWM; 1-15 grades adjustable                                                    | PWM; 1-15 grades adjustable                                                    |
| 32  | <b>IR LEDs</b>                | Φ42, 8-LED array                                                               | Φ42, 8-LED array                                                               |
| 33  | <b>IR Distance</b>            | 150m (night vision)                                                            | 150m (night vision)                                                            |
| 34  | <b>Operating Humidity</b>     | ≤95% non-condensing                                                            | ≤95% non-condensing                                                            |
| 35  | <b>Power Supply</b>           | DC 12V ≤4A                                                                     | DC 12V ≤4A                                                                     |
| 36  | <b>Power</b>                  | <20W                                                                           | <20W                                                                           |

| No. | Parameter             | NexPro PT736X-2MP                           | NexPro PT736X-5MP                           |
|-----|-----------------------|---------------------------------------------|---------------------------------------------|
|     | Consumption           |                                             |                                             |
| 37  | Operating Temperature | Indoor: 0°C ~ +40°C; Outdoor: -40°C ~ +60°C | Indoor: 0°C ~ +40°C; Outdoor: -40°C ~ +60°C |
| 38  | Surge Protection      | Instant 6000V                               | Instant 6000V                               |
| 39  | Interfaces            | 1× RJ45 network, power input                | 1× RJ45 network, power input                |
| 40  | Weight                | 4.5 kg                                      | 4.5 kg                                      |
| 41  | Certifications        | IP66, CE, FCC, ROHS                         | IP66, CE, FCC, ROHS                         |

## Advanced Imaging Engine

### 2D/3D Noise Reduction & AE Exposure Algorithm

The NexPro PT736X series employs intelligent 2D and 3D noise reduction combined with an advanced auto-exposure algorithm. In low-light scenes, the image remains clean and noise-free — no muddy artifacts that plague lesser PTZs at night. The 1-15 grade adjustable IR PWM control lets integrators fine-tune illumination intensity to match the actual installation distance, preventing overexposed foreground objects while maintaining background detail.

### Seamless Platform Integration

Full ONVIF 2.4 Profile S compliance guarantees plug-and-play compatibility with Hikvision NVRs and iVMS-4200 PC software (version V2.02.03.03+). The open architecture — with Linux and Windows SDK development kits plus CGI protocol — allows rapid secondary development for custom VMS platforms, access control 联动 , or IoT sensor integration.

## What This Means for Your Project

**For Hotel Integrators:** The 36× optical zoom covers expansive parking lots and entrance plazas from a single mounting point. 128 presets and 8 cruise groups allow automated patrol routes across lobby zones, pool areas, and delivery bays. The IP66 rating and -40°C to +60°C operating range mean reliable outdoor operation year-round.

**For Industrial & Factory Sites:** The 150-meter IR reach and 6000V surge protection handle the demands of perimeter fences, loading docks, and material storage yards. The 1-15 grade IR adjustment prevents washout at close range while maintaining long-distance visibility. P2P connectivity via Seetong Cloud enables remote inspection without complex VPN setup.

**For IT Managers:** An open SDK and CGI protocol allow integration into existing monitoring infrastructure without vendor lock-in. ONVIF compliance means the PTZ drops into any standards-compliant NVR environment. The dual-stream H.265+ encoding keeps bandwidth manageable even at 5MP resolution.

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For system design assistance and PTZ integration support: contact your NexPro solutions team.