# NYX Counter 1



- High quality imaging with 4MP resolution
- H265+/H265/H264+/H264/MJPEG coding
- 3D DNR, WDR, HLC, BLC
- Built-in micro SD card slot, up to 256GB
- People counting: counts people entering and exiting separately and outputs daily/monthly/annual report
- Supports children counting
- Supports target height filtering and human head detection algorithm
- Supports three streams
- IP66

| Model | NYX Counter 1 |
|---|---|
| **Camera** | |
| Image Sensor | 1/3" Progressive Scan CMOS |
| Max. Resolution | 2560 × 1440 |
| Min. Illumination | 0.008 lux@F2.1, AGC ON; 0 lux with IR ON |
| Shutter Speed | Auto |
| WDR | 120dB |
| S/N Ratio | ≥ 50dB |
| BLC | Yes |
| HLC | Yes |
| Digital NR | 3D NR |
| **Lens** | |
| Lens Type | Fixed focal lens, 2.1mm |
| Aperture | F2.1 |
| FOV | H.FoV: 103°; V.FoV:70°; D.FoV:110° |
| Lens Mount | M12 |
| **DORI** | |
| DORI | D: 37 m, O: 15m, R: 7 m, I: 4 m |
| **Illuminator** | |
| Supplement Light Type | IR Light, 850nm |
| Supplement Light Range | Up to 10 m |
| Overexposure Control | Yes |
| Video & Audio | |
| Video Compression | Main stream: H.265+ / H.265/ H.264+ / H.264<br>Sub/Third stream: H.265+ / H.265/ H.264+ / H.264 MJPEG |
| H.264 Compression Standard | Baseline Profile/Main Profile/High Profile |
| Resolution | 4MP (2560×1440 ), 3MP (2304×1296 ), 1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, CIF, 480 ×240 |
| Main Stream | 4MP/3MP/1080P/720P(60Hz: 1~30fps; 50Hz:1~25fps) |
| Sub Stream | 720P/D1/CIF (60Hz: 1~30fps; 50Hz:1~25fps) |
| Third Stream | D1/480 ×240/CIF(60Hz: 1~30fps; 50Hz:1~25fps) |
| Bit Rate | 64Kbps ~ 8Mbps |
| Bit Rate Type | VBR/CBR |
| Audio Compression | G711A / U |
| Image Settings | ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser |
| ROI | Each ROI to be configured separately |
| **Interfaces** | |
| Network | 1 CH RJ45 10 M/100 M self-adaptive Ethernet port |
| Wi-Fi | Support 2.4G, 5G, built-in antenna |
| Audio | 2CH built-in MIC (supports audio noise reduction); 1 CH built-in Speaker; 1CH audio input; 1CH audio output |
| Alarm | 1CH alarm input; 1CH alarm output |
| RS-485 | Yes, half-duplex |
| Storage | Built-in micro SD card slot, up to 256GB |

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|---|---|
| Reset | Yes |

**Functions**

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|---|---|
| Remote Monitoring | Web Browser/NYX NVMS2.0/NVR/mobile APP |
| Web Browser | IE11(plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+ |
| Online Connection | Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission |
| Network Protocol | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPS, HTTP, QoS, HTTP POST |
| Interface Protocol | ONVIF, SDK |
| People Counting | Counts people entering and exiting separately; supports daily/monthly/annual report Supports children counting; supports target height filtering; supports human head detection algorithm |
| Smart Alarm | Motion detection, SD card error, SD card full, video exception detection (scene change, video blur and video cast detection), network disconnection, reverse entering detection, abnormal number of people detection |
| Linkage | Upload to memory card/FTP, notify surveillance center, audible warning, trigger recording, trigger capture, send email |
| General function | Watermark, heartbeat |
| Security | Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP |

**Others**

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|---|---|
| Power | DC12V/PoE |
| Power Consumption | < 9W |
| Working Environment | -30℃ to 45 ℃ (-22 °F to 113 °F). Humidity 95% or less (non-condensing) |
| Installation Height | 2.1m~6m |
| Weight (net) | Approx.0.563kg |

**Protection**

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|---|---|
| Protection | IP66 |
| Certificate | CE, FCC |
| Environmental Protection | RoHS2.0  REACH  WEEE  directive94/62/EC |