



**ONVIF**  
Profile (S) Compliant

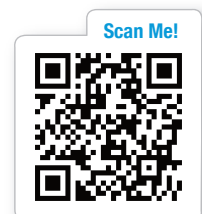
## 1080p Mini IP Bullet Camera with GXi Technology



The ZN1-N4NFN6 mini bullet features GXi Technology maximizing the camera's surveillance capabilities by bringing an added feature set of Imbedded Intelligence, WDR performance and full video recording to SD card to this already full-featured series. The Imbedded Intelligence provides intelligent analysis of video with application areas including intrusion detection, vehicle monitoring, abandoned-object detection, people counting and loitering detection, as well as camera tampering and failure detection.

### Features:

- 1080p HD resolution
- Built-in 4.3mm Lens
- Imbedded Intelligence Technology
- WDR and True Day/Night Performance
- Text overlay for easy identification of video
- Video motion detection
- Dual-Streaming IP Video - H.264 and MJPEG compression
- Full video recording to SD cards (card not included)
- ONVIF Profile (S) compliant
- PoE (IEEE 802.3af)
- SMART IR with 8 LEDs for 33' illumination range
- IP66 for all weather conditions
- Sunshield included



## ■ Specifications

Model	ZN1-N4NFN6	
Camera	Image Sensor	SONY EXMOR 1/2.9" 1080p CMOS
	Effective Pixels	1920 x 1080
	Scanning System	Progressive scanning
	AGC Control	Auto
	Minimum Illumination	Color: 1.0 Lux / B/W : 0 Lux (IR LED On)
	Lens	4.3mm, F2.0
	Angle of View	Horizontal: 74.4° / Vertical: 40.8°
	Shutter Time	1/5000s to 1/2s
	Day/ Night Performance	True Day/Night (Removable IR-cut filter)
	WDR Performance	Digital WDR
	IR LEDs	High Power IR LED x 8 (850nm)
	IR Range	32 Feet / 10m (30IRE)
	SMART IR	Automatically adjusts to the best levels on subject, according to brightness
Video	Video Compression	H.264 Baseline, Main, High profile, MJPEG (Motion JPEG)
	Video Streaming	Dual Stream, Configurable streams in H.264, MJPEG
	Resolutions	1920 x 1080, 1280 x 720, 1120 x 630, 960 x 540, 800 x 450, 640 x 360, 480 x 270, 320 x 180
	Frame Rate	H.264/MJPEG: Max 30fps in all resolution
	Image Settings	Configurable brightness, contrast, saturation, sharpness
	Orientation Control	Flip & Mirror
	Noise Filter	Supported (0 ~ 3)
	Smart Bitrate Control	Supported (It works in VBR mode)
	Exposure Adjustment	+1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV
	White Balance	ATW1 / ATW2 / Push / Manual
	Flicker Control	Normal, 50Hz, 60Hz
	DSS (Sens-up)	2X ~ 16X
	BLC	On (possible to designate zone) / Off
	Text Overlay	Time stamp and text caption overlay
	Privacy Mask	4 configurable regions
Function	Ethernet Standard	10 / 100 Base-T
	Protocol	QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP, DHCP, DNS, DynDNS, NTP, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP, SSLv2/v3, TLSv1
	Security	Multi-level access with password protection
	Application Programming Interface	Software Development Kit (SDK) available
	Event Sources	Video Motion Detection; Tamper Detection; Video Content Imbedded Intelligence; Network Setting Change; Sensor (DI)
	Event Actions	File upload: E-mail, FTP Notification: E-mail, FTP, HTTP, TCP Trigger-Alarm (DO)
	Event Metadata Streaming (RTSP/RTP)	Video Motion Detection (MD); Imbedded intelligence
	Analytics Engine	Advanced tracking algorithm with rich library of detection behaviors
Imbedded Intelligence (standard)	Detection	40 zones (Multi-segment Polygons and Lines) in total
	Zones and Rules	60 rules in total
	Tamper Detection	Supported
	Camera Shake Cancellation	Supported
Imbedded Intelligence (optional)	Detection Behavior	Enter, Exit, Appear, Disappear, Stop, Direction, Dwell filter; Tailgating
	3D Behavior	Perspective Corrected Size and Speed Filters
	Counting	20 counters in total
	Counting Line	High accuracy people and vehicle counting
	Meta Data	Plain XML Format
Physical	Material / Color	Aluminum Die-Casting; Ivory - sunshield included
	SD Memory (micro SD)	1x Micro SD/MicroSDHC memory card slot (card not included)
	Users	Live viewing for up to 10 clients
	Power Source / Consumption	PoE / Max. 5.55W @ PoE
	Operating Conditions	Humidity up to 85% RH (non-condensing)
	Operating Temperature	-4°F ~ 113°F (-20°C ~ 45°C)
	Dimensions (W x H x D)	2.9" x 3" x 9.6" / 73.5 x 76 x 245 mm (w/ sunshield & bracket extended)
	Weight	1.32lbs (600g)
	Certifications	ONVIF Compliant (Profile S) FCC, CE, KC, IP66