



8MP IP Camera with AI Analytics



ZN8-80DT8M213DL



Key Features:

- 1/2.8" STARVIS™ Progressive Scan CMOS image sensor
- Max. 8 MP (3840 × 2160) resolution at 25/30 fps
- 2.7–13.5 mm F1.6 motorized zoom lens with autofocus
- True WDR 120 dB, 3D DNR, ROI, Defog, HLC and BLC
- Video analytics with face, human and vehicle detection & capture and attribute analysis
- Intelligent analytics: intrusion, single and double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running, fall and fight detection, and people counting
- Built-in microSD card slot, up to 256 GB
- 12 VDC or PoE (IEEE 802.3af) power supply
- IP67 and IK10 housing protection ratings
- NDAA compliant** – compliant with the U.S. National Defense Authorization Act.

Model	ZN8-80DT8M213DL
Image Sensor	1/2.8" STARVIS™ CMOS, 8 MP
Min. Illumination (AGC ON)	Color: 0.01 Lux @ F1.6, AGC ON B/W: 0.005 Lux @ F1.6, AGC ON; 0 Lux with IR on
Day/Night	Auto IR-Cut filter
Electronic Shutter	1/5–1/20.000 s
Iris	Fixed Iris
WDR	True WDR (120 dB)
Noise Reduction	2D / 3D-DNR
Lens	Moto-Zoom AF 2.7–13.5 mm, F1.6 Field of View: H: 102.7°–30.2° / V: 53.8°–16.8°
IR Illuminator	Smart IR 850 nm, range up to 60 m
Angle Adjustment	Pan: 0°–355° / Tilt: 0°–75° / Rotacja: 0°–355°
Video Compression	H.265 / H.264 / MJPEG / Smart Encode
Bitrate (CBR/VBR/VBR+)	Stream 1: 200 Kbps–16 Mbps Stream 2: 100 Kbps–6 Mbps Stream 3: 100 Kbps–3 Mbps
Resolution / Frame Rate	Stream 1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 (25/30 fps) Stream 2: D1, VGA, CIF (25/30 fps) Stream 3: VGA, CIF, QVGA (25/30 fps)
Image Adjustment	Brightness, sharpness, contrast, saturation – adjustable
Security	IP filter, HTTPS, brute-force protection, IEEE 802.1X
Digital Functions	WDR / HLC / BLC / Defog / ROI
Corridor Mode	Yes (9:16)
Privacy Masking	4 areas
Events	GENSTAR IVS 2.0 Analytics Face, human and vehicle detection
Network Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, 802.1X, SNMP, Multicast
RTSP Support	Standard RFC 2326 (VLC Player / QuickTime)
Compatibility	ONVIF (Profile S/T/G/M), SDK, CGI

Technical Specifications

Ethernet Interface	10/100 Base-T, RJ45
Audio	1× IN / 1× OUT
Alarm	1× IN / 1× OUT
Analog Output	N/A
Operating Temperature	-40°C ... +55°C
Operating Humidity	< 95% RH
Reset Button	Yes
SD Card Support	microSD card slot, up to 256 GB
Power Supply / Consumption	12 VDC / PoE (802.3af) / max. 8.5 W
Dimensions / Weight	Ø130 × 113.3 mm / 0.8 kg
Certifications / Ratings	CE / FCC / IP67 / IK10

Network & Cybersecurity

Network & Access	
Max. Concurrent Streams	10 concurrent streams
Users / Levels	32+ users; Administrator, Operator, Media User
Web Browsers	IE11 or earlier, Chrome, Firefox, Microsoft Edge
Security / Cybersecurity	
OS / Firmware Protection	Encrypted firmware, Secure Boot, signed firmware
User Authentication	Digest authentication; brute-force attack protection
Network Authentication	IEEE 802.1X (EAP-TLS)
Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
Access Control	IP-based access control; automatic logout
Data Protection	Credential encryption
Audit	Access, system and event logs
Secure Storage	SD card partition encryption (AES-256), Secure Element
Supply Chain Security	SBOM

Built-in GENSTAR IVS 2.0 Video Analytics (AI Analytics)

AI Multi-Target	Face, human and vehicle detection & capture; attribute analysis; display modes: Full Frame, Four-Corner Frame, Mosaic
Human Attributes	Gender, age, glasses, headwear, bag, upper/lower clothing color and style, reflective vest
Vehicle Attributes	Type, color, brand and vehicle orientation
Intelligent Analytics	Intrusion, SMD, single and double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running, fall and fight detection
Additional Functions	People counting, accurate human/vehicle target classification and alarm triggering for selected object types

Built-in GENSTAR IVS 2.0 Video Analytics (AI Analytics)



AI Multi-Target



Intrusion



Smart Motion Detection



Line Crossing



Double Line Crossing



Loitering



Wrong-way Detection



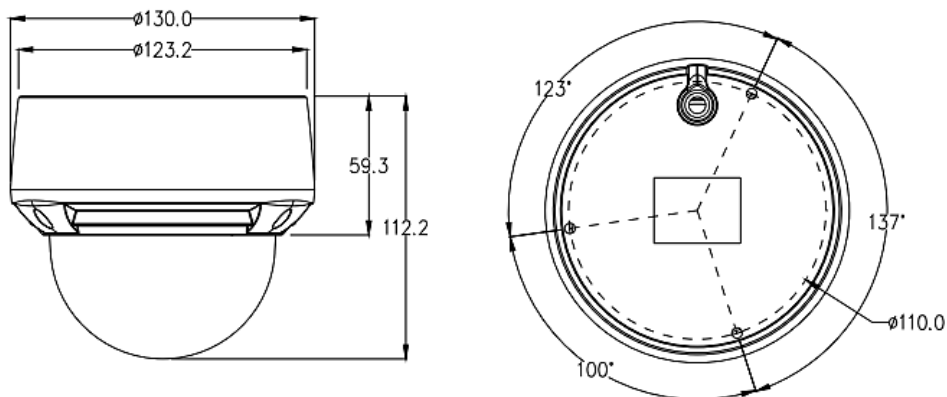
Illegal Parking



People Counting

DORI Distance						
Lens		Detect	Observe	Recognize	Identify	
2.7–13.5 mm		88–280 m	35.2–112 m	17.6–56 m	8.8–28 m	
OODPCVS Distance (calculated based on pixel-density thresholds according to IEC/EN 62676-4:2025.)						
General Overview	Object Outline	Object Discrimination	Behaviour Perception	Object Characterization	Verification	Detailed Analysis
110–350 m	55–175 m	27.5–87.5 m	17.6–56 m	8.8–28 m	4.4–14 m	1.5–4.7 m

External Dimensions:



Camera Mounting Accessories:



ZA8-JBMP-2
(holes C)



ZA8-CBK344



ZA8-CBK627B*

***ZA8-CBK627B** only in combination with adapter **ZA8-JBMP-2**

Compatibility:



CORTROL VMS



GENSTAR NVR