



IP camera with AI video analytics



Model	ZN8-80B8M213D
Sensor	1/2.8" CMOS
Sensitivity (AGC ON)	Color: 0.01 Lux @ F1.6 B/W : 0 Lux (IR ON)
Day/Night Mode	IR-Cut automatic filter
Electronic Shutter	1/5 - 1/20.000
Aperture	F-Iris fixed)
WDR mode	True WDR > 96dB
Noise reduction	2D / 3D-DNR
Lens	Moto-Zoom AF: 2.7 - 13.5mm Viewing angles: H: 98.1° ... 30.9° / V: 52.6° ... 17.3°
IR illuminator	4 x IR LED, range up to 40 meters
Range of motion	Pan: 0° ... 360° / Tilt: 0° ... 90° / Rotation: 0° ... 360°
Video compression	H.265 / H.264 / MJPEG / Smart Encode
Bitrate (CBR/VBR/VBR+)	Stream 1: 200 Kbps ~16 Mbit Stream 2: 100 Kbps ~6 Mbit Stream 3: 100 Kbps ~3 Mbit
Resolution and refresh rate	Stream 1: Max. 3840×2160 (25 fps) Stream 2: D1, VGA, 640×360, CIF (25 fps) Stream 3: VGA, CIF, QVGA (25 fps)
Image settings	Rotation, saturation, brightness, contrast, sharpness
Security	User authentication, hardware WatchDog
Digital functions	HLC / BLC / DEFOG / True WDR
Corridor mode	Yes (9:16)
Privacy masks	Available
Events	GenSTAR IVS Analytics Support for face, character, vehicle detection
Network protocols	TCP, UDP, IPv4/6, HTTP/S, DHCP, FTP SMTP,DNS, DDNS, NTP, RTP, RTSP, RTCP Unicast, uPNP, WS-Discovery, SSL, PPPoE
RTSP support	RFC 2326 standard (VLC Player / QuickTime).
Compatibility	ONVIF profile S, G, M, T HTTP CGI

ZN8-80B8M213D



Special features:

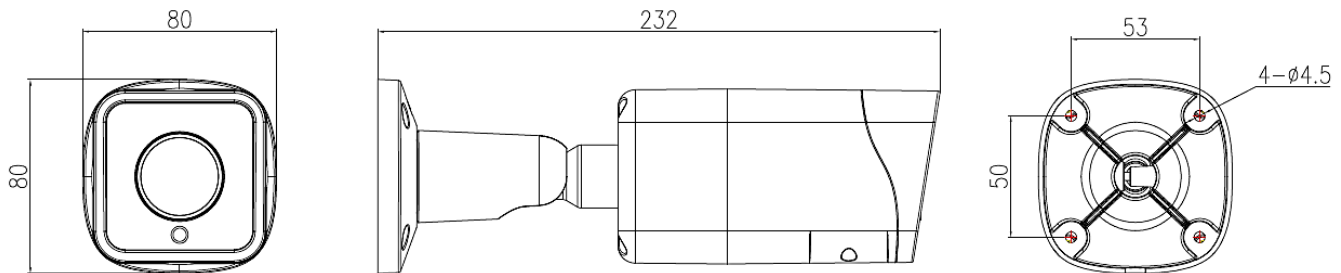
- **Smart Encode** - dynamically adaptable network stream and codec parameters for continuous recording while minimizing archive space requirements.
- **Moto-Zoom** lens with 5x optical zoom.
- **ROI** (Region of Interest) - based on user-specified ROI zones (areas of interest), the camera downgrades the image quality outside the zones to reduce the bandwidth occupancy (bitrate), while maintaining maximum image quality in the ROI zones.
- Built-in **AI-based GenSTAR IVS 2.0** image analytics functions (virtual perimeter line, protected zones) supported by GenSTAR series DVRs and GenSTAR VMS.
- **Face/person/vehicle** detection support.
- **SMART-IR** - the intensity of IR light emitted by the diodes IR-LEDs is automatically adjusted to avoid overexposure of objects (e.g., people's faces) located in the vicinity of the camera.
- **True-WDR** - digital wide-dynamic function.
- **Scheduling** of the image sensor - the ability to configure the operation of the image sensor depending on the time or Day/Night mode.
- **IP address filter** - the ability to blacklist and whitelist access to the camera's web interface based on IP address.
- **Corridor mode** - adjusting the field of view to a scene characterized by a significant disproportion between height and width of the usable area.
- **NDAA-compliant** - devices that comply with an act of the US Congress called the "National Defense Authorization Act."

Technical parameters

Ethernet interface	10/100 Base-T, RJ45
Audio	1x In / 1x Out
Alert	1x In / 1x Out
Analog output	N/A.
Operating temperature	-40°C ... +55°C
Ambient humidity	≤90 %
Reset button	Yes
SD card support	MicroSD / SDHC / SDXC slot, max. 256GB
Power supply / power consumption	12 VDC / Max. 9.5W
Dimensions / weight	232mm x 80mm x 80mm / 810 g
Certifications and classes	CE / FCC / IP67

DORI Distance				
Lens	Detection	Observe	Recognition	Identification
2.7 mm	88 m	35.2 m	17.6 m	8.8 m
13.5mm	280 m	112 m	56 m	28 m

External dimensions:



Mounting accessories:



ZA8-JBMP-2 (C hole)



ZA8-CBK627B*

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

Compatibility:



PixelMASTER



GenSTAR NVR



CORTROL VMS



NDA Directive