



IP camera with GenSTAR IVS 2.0 analytics



Model	ZN8-81DT4F28NL
Sensor	1/2.7" CMOS --- SC500AI
Sensitivity (AGC ON)	Color: 0.03lux @ F1.2 / IR ON: 0lux
Day/Night Mode	IR-Cut automatic filter
Electronic shutter.	1/5 - 1/20.000
Aperture	Auto-Iris
WDR mode	d-WDR
Noise reduction	2D / 3D-DNR
Lens	2.8mm (102°)
IR illuminator	2 x IR LED, range up to 25 meters
AV compression	H.265 H.264 MJPEG G.711U G.711A RAW
Bitrate (CBR/VBR)	Stream 1: 512 Kbps - 6 Mbit
	Stream 2 and 3: 128 Kbps - 3 Mbit
Resolution and cages	2560x1440 and 2304x1296 (25fps).
	1920x1080 and 1280x720 (25fps).
Video streams	Stream 1: 2560x1440 (4MP) max.
	Stream 2: 720x576 (D1) max.
	Stream 3: 640x480 (VGA) max.
Image settings	Rotation, saturation, brightness, contrast, sharpness
Digital functions	HLC BLC ROI DEFOG
Corridor mode	Yes (9:16)
Privacy masks	4 zones
Events	Motion detection (22x18 grid),
	GenSTAR IVS 2.0 analytics , D/N switching,
Network protocols	TCP, UDP, IPv4/6, HTTP/S, DHCP, FTP, SMTP,
	DNS, DDNS, NTP, RTP, RTSP, RTCP, Multicast
	Unicast, uPNP, WS-Discovery, SSL, PPPoE
RTSP support	RFC2326 standard (VLC Player / QuickTime).
Security	User authentication, hardware WatchDog
Compatibility	ONVIF, HTTP API
Ethernet interface	10/100 Base-T, RJ45
Audio	N/A
Alert	N/A
Analog output.	N/A

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Special features:

- **GenSTAR IVS 2.0 - AI (Artificial Intelligence) analytics** - artificial intelligence using *DeepLearning* algorithms to provide instant and precise detection and recognition of objects like person, vehicle.
- **Smart Encode** - dynamically adaptable network stream and codec parameters for continuous recording while minimizing archive space requirements.
- **Scheduling of the image sensor** - the ability to configure the operation of the image sensor depending on the time or Day/Night mode.
- **Corridor mode** - adjusting the field of view to a scene characterized by a significant disparity between the height and width of the usable area.
- **NDA-compliant** - devices that comply with a US congressional law called the National Defense Authorization Act.

Functional capabilities of AI analytics: GenSTAR IVS 2.0

AI engine features (Artificial Intelligence)	Object detection: DeepLearning engine
	Detection: face of a person, person, vehicle.
	Object classification: person, vehicle (Detector)
Behavioral detection	Track multiple objects simultaneously (Tracker)
	Trespassing, Swagging,
	Intersection of single/double perimeter lines.

Technical parameters

Reset button	Yes
SD card support	Micro SD slot SDHC SDXC, max. 256GB
Power supply	12VDC / PoE (802.3af / class-3)
Power consumption	4W (IR-LED OFF) / 7W (IR-LED ON)
Power output	N/D
Operating temperature	-30°C ... +50°C
Max humidity	90%
Certifications and classes	CE / FCC / IP67 / IK10
Dimensions / weight	Ø 110 (base) x 86 mm / 420g
Range of adjustment	350° (H) / 75° (V) / 180° (Transducer Rotation)

Mounting adapters:



ZA8-JBMP-2



ZA8-CBK627B

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

Compatibility:



NDA
Directive

External dimensions:

