



IP camera with video analytics for
face/person/vehicle detection



Model	ZN8-71E5M213D-M
Image sensor	1/2.7" CMOS
Sensitivity (AGC ON)	Color: 0.01 lux @ F1.6 / B/W: 0 lux with IR
Day/Night mode	Automatic IR-cut filter
Electronic shutter	1/5 - 1/20,000 s
Iris	Auto iris
WDR mode	True WDR
Noise reduction	2D / 3D-DNR
Lens	2.7-13.5 mm, H: 102.3°-33.1°, V: 54.3°-18.5°
Illuminators	IR range up to 60 m
AV compression	H.265 H.264 MJPEG G.711U G.711A RAW
Bitrate (CBR/VBR)	Stream 1: 200 Kbps - 12 Mbit
	Stream 2: 100 Kbps - 6 Mbit
	Stream 3: 100 Kbps - 3 Mbit
Resolution and frame rate	2880x1620, 2304x1296, 1920x1080, 1280x720 (25/30 fps)
	D1, VGA, CIF (25/30 fps)
	VGA, CIF, QVGA (25/30 fps)
Image settings	Rotation, saturation, brightness, contrast, sharpness
Digital functions	HLC / BLC / ROI / DEFOG / Aisle Mode
Privacy masks	4 zones
Motion detection	22x18 grid
IVS events	Intrusion, line crossing, double-line crossing, movement, wrong direction, illegal parking and intelligent motion detection. Supports alarm triggering by specified target types (people and vehicles).
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	Standard RFC2326 (VLC Player / QuickTime)
Security	User authorization, hardware watchdog
Compatibility	ONVIF Profiles S, G, M, T; HTTP API
Ethernet interface	10/100 Base-T, RJ45
Audio	1x In / 1x Out
Audio codec	G.711 (64kb/s), 128Kbps (RAW_PCM)
Microphone	Built-in microphone
Alarm	1x In / 1x Out

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Key features:



- **Smart Encode** - dynamically adapts network stream and codec parameters to maintain recording continuity while minimizing storage requirements.
- **ROI (Region of Interest, up to 8 zones)** - based on user-defined ROI zones, the camera reduces image quality outside these zones to lower bandwidth usage (bitrate), while maintaining maximum image quality within the ROI zones.
- Supports **face/person/vehicle detection**
- Supports **P2P cloud connectivity**
- **SMART-IR** - automatically adjusts IR LED intensity to prevent overexposure of objects (e.g. a person's face) near the camera.
- **True-WDR** - digital wide dynamic range function.
- **Image sensor scheduling** - allows sensor operation to be configured by time or Day/Night mode.
- **Aisle mode** - rotates the image by 90° in 16:9 format.
- **NDA compliance** - the device complies with the U.S. National Defense Authorization Act.
- **Built-in microphone** for audio communication.

Technical specifications

Reset button	Yes
SD card support	MicroSD / SDHC / SDXC card slot, max. 256 GB
Power supply	12 VDC / PoE (802.3af / Class 3)
Power draw	Max. 6 W
Max. humidity	<90%
Certifications	CE / IP66
Size / weight	Ø 140 mm (base) x 119.2 mm / 0.88 kg
Operating temp.	-30°C ~ +60°C
Housing	Metal + Plastic

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CBC HongKong
CBC Singapore
CBC Taiwan
CBC Bangladesh

CBC Guangzhou
CBC Indonesia
CBC Thailand
CBC UK
CBC Germany

CBC Poland
CBC Italy
CBC Spain
CBC Russia
CBC India

CBC Poland sp. z o.o.
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01-793 Warszawa
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Security	
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 address-based access control, automatic logout
Data protection	Credential encryption
Secure data storage	AES-256 encryption of the SD card partition and a hardware Secure Element
Audit	Access / system / event log management
Supply chain security	SBOM

Built-in GENSTAR IVS 2.0 video analytics (AI analytics)



AI multi-object



Intrusion



Intelligent detection



Line crossing



Double line



Group loitering



Wrong direction



Illegal parking



People counting

DORI Distance						
Lens		Detection	Observation	Recognition	Identification	
2.7 – 13.5 mm		80 m - 208 m	32 m - 83.2 m	16 m – 41.6 m	8 m – 20.8 m	
OODPCVS Distance (OODPCVS distances calculated from pixel-density thresholds per IEC/EN 62676-4:2025.)						
Overview	Object outline	Object differentiation	Behavior perception	Object characteristics	Verification	Detailed analysis
100–260 m	50–130 m	25–65 m	16–41.6 m	8–20.8 m	4–10.4 m	1.3–3.5 m

Mounting adapters:



ZA8-CBK645D



ZA8-CBK101



ZA8-CBK102



ZA8-CBK501

Compatibility:



GENSTAR NVR



CORTROL VMS



NDAA compliance

External dimensions:

