ALLNET IP Bullet Camera / Outdoor / 8MP / IR / Low-Light / 91° / “ALL-CAM2588-LEN”

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EAN CODE

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Highlights

- 8 MP 4K resolution (3840 × 2160) with a 1/2.8" progressive scan CMOS sensor
- 4 mm fixed lens with F1.6 and a field of view of H91° / D106° / V50°
- AI video analytics with person and vehicle detection: entry and exit from an area, line crossing, loitering, objects left behind and removed
- Integrated people counting for entrances and exits
- Smart IR II with an infrared range of up to 25 m
- 120 dB Super WDR for balanced images in difficult lighting conditions
- IP67 weather protection and IK10 vandal-proofing in a metal housing
- Integrated microphone, protected by a PTFE membrane
- H.265+ / H.265 / H.264+ / H.264 / MJPEG for efficient use of bandwidth and storage
- microSD slot for local recording up to 1 TB
- Power supply via PoE (802.3af), max. 6.6 W with IR
- ONVIF Profiles G, S, T and M, as well as SIP/VoIP support
- Operating temperature from -40 °C to +60 °C

Product description

The ALL-CAM2588-LEN is a compact, weatherproof 8 MP mini-dome network camera. It delivers crystal-clear 4K images for indoor and outdoor use. The 4 mm lens covers a horizontal field of view of 91°. This makes the camera ideal for entrances, corridors, car parks, shops and building façades, where both a broad overview and fine detail are required.

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Sophisticated image processing algorithms ensure excellent image quality even in low light. These are supported by 120 dB Super WDR as well as functions such as BLC, HLC, 2D/3D noise reduction, defog and deblur. In the dark, Smart IR II technology with adjustable illumination intensity provides a range of up to 25 metres. An IR anti-reflective lens significantly improves light transmission.

The integrated AI video analytics focuses on people and vehicles and filters out irrelevant objects. Events such as entering and leaving a designated area, crossing lines, loitering, and objects left behind or removed are detected with precision. The edge AI also counts people as they enter and leave an area. The metadata can be transferred to backend systems, thereby providing valuable insights for operational and security management.

The IK10-certified metal housing is weatherproof to IP67and reliably withstands harsh environmental conditions. The integrated microphone is fitted with a PTFE diaphragm, ensuring that the IP67 protection is fully maintained. Thanks to the 3-axis design, the viewing angle can be adjusted quickly and precisely. The version with an integrated junction box in a clamshell design offers plenty of space for the cable connection. Recessed mounting is also available as an option, allowing the camera to blend discreetly into its surroundings.

According to the manufacturer, the Mini series reduces power consumption by 20 to 40 per cent. This allows more cameras to be operated per PoE switch, and heat generation is reduced, which improves long-term stability. Thanks to ONVIF Profiles G/S/T/M, API support, NAS storage with ANR and SIP/VoIP, the camera integrates seamlessly into existing video management and communication systems.

Technical Specifications

Camera	
Product code	ALL-CAM2588-LEN
Design	AI mini-dome network camera, weatherproof
Image sensor	1/2.8” progressive scan CMOS
Minimum illumination	Colour: 0.012 lux @ F1.6 B/W: 0 lux with IR active
WDR	120 dB Super WDR
Lens	4 mm @ F1.6, fixed focal length
Lens mount	M12
Field of view	H91° / D106° / V50°
Shutter speed	1/100,000 s to 1 s
Day/Night mode	Day / Night / Auto / Custom / Schedule
IR range	Up to 25 m (Smart IR II)
Signal-to-noise ratio	> 55 dB
Video	
Max. resolution	3840 × 2160 (8 MP / 4K)
Main stream	60 Hz/50 Hz: 30 fps @ 3840×2160, 3072 × 2048, 2592 × 1944, 2592 × 1520, 2048 × 1536, 1920 × 1080, 1280×960, 1280×720, 704×576
Second stream	60 Hz: 30 fps / 50 Hz: 25 fps @ 704×576, 640×480,

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	640×360, 352×288
Third stream	60 Hz: 30 fps / 50 Hz: 25 fps @ 1280×720, 704×576, 640×480, 640×360, 352×288
Video compression	H.265+ / H.265 (HEVC) / H.264+ / H.264 / MJPEG
Video bitrate	16 Kbit/s to 16 Mbit/s (CBR/VBR adjustable)
Image	
Privacy zones	Up to 4 zones
ROI	Up to 8 zones
Image settings	Saturation / Brightness / Contrast / Sharpness
Image enhancement	BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, AGC, Anti-Flicker, Corridor mode, Deblur
Interfaces & Network	
Ethernet	1 × RJ45, 10/100 Mbit/s
Network storage	NAS (NFS, SMB/CIFS), ANR
Network protocols	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, UPnP, Bonjour, SIP, SNMP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2
Audio	
Audio compression	G.711 / AAC / G.722 / G.726
Sampling rate	8 / 16 / 32 / 48 kHz
Audio bitrate	16 to 256 kbit/s
Microphone	Built-in
Events & Intelligent Analysis	
Event triggers	Motion detection, tamper detection, audio alarm
Exceptions	Network interruption, IP address filtering, recording error, SD card full, SD card not initialised, SD card error, no SD card
Event Actions	FTP upload, SMTP upload, SD card recording, snapshot, SIP call, HTTP notification
Video analytics	Entry into area, exit from area, advanced motion detection, line crossing, loitering, object left behind, object removed
People counting	Counting people entering and leaving, including report
System	
Local storage	microSD/SDHC/SDXC, up to 1 TB
SIP/VoIP	Yes, Voice & Video over IP
Compatibility	ONVIF Profiles G, S, T & M, API

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General	
Operating temperature	-40 °C to +60 °C
Humidity	0 to 90 per cent (non-condensing)
Power supply	PoE (IEEE 802.3af)
Power consumption	Max. 4.6 W, max. 6.6 W with active IR
Housing	Metal housing, vandal-proof to IK10, weatherproof to IP67
Weight	Approx. 600 g (version with junction box) / approx. 410 g (version with cable outlet)
Dimensions	– 108 × 96.5 mm (version with junction box) / – 106 × 76.5 mm (version with cable outlet)

All specifications are based on the manufacturer’s data sheet. Subject to technical changes and errors. The actual IR range depends on the ambient conditions.

Accessories

Part No.	Name
175246	ALLNET Gigabit PoE Injector / PoE & PoE+ (15.4 W/30 W) / 2.5 Gbps / Metal Housing / “ALL0489v4”
186548	ALLNET PoE Injector Gigabit PoE & PoE+ (15,4W/30W) / plastic
231227	ALLNET PoE Injektor Industrial MultiGigabit • PoE BT with Power-Booster (15,4W/30W/90W) • DIN • ALLNET PoE Injekt metal housing • ALL-PI2015MGPB-BT90
209904	ALLNET Switch smart managed Layer2 10 Port • PoE Budget 140W • 8x PoE at • 2x SFP • 19" • Fanless • ALL-SG8310v2PM
210085	ALLNET Switch smart managed Layer2 18 Port Gigabit • 18x GbE • PoE Budget 240W • 16x PoE at • 2x SFP • 19" • Fanless • ALL-SG8418PM
211066	ALLNET Switch smart managed Layer2 24 Port • PoE Budget 370W • 24x PoE at • 4x SFP • 19" • ALL-SG8428v2PM
213130	ALLNET Switch smart managed Layer2 28 Port • 24x 1 GbE • PoE Budget 400W • 4x SFP+ • 19" • Fanles • ALL-SG8428v2FPM-10G
215264	ALLNET Switch smart managed Layer2 54 Port • 48x 1 GbE • PoE Budget 800W • 48x PoE at • 6x SFP+ • 19" • ALL-SG8454PM-10G
219584	ALLNET Switch full managed Layer2+ 52 Port • 48x GbE • PoE Budget 850W • 48x PoE at • 4x SFP+ • 19" • JSON API • ALL-SG8652PMJ-10G-850W
221184	ALLNET Switch full managed Layer2+ 18 Port • 16x GbE • PoE Budget 280W • 16x PoE at •

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Part No.	Name
	2x SFP • 19" • Fanless • JSON API • ALL-SG8618PM
221186	ALLNET Switch full managed Layer2+ 26 Port • 24x GbE • PoE Budget 370W • 22x PoE at • 2x Combo • 2x SFP • 19" • Fanless • JSON API • ALL-SG8626PMJ
221188	ALLNET Switch full managed Layer2+ 24 Port • 24x GbE • PoE Budget 370W • 24x PoE at • 4x SFP+ • 19" • JSON API • ALL-SG8628PMJ-10G
223949	ALLNET Switch full managed Layer2+ 10 Port • 8x GbE • PoE Budget 130W • 8x PoE at • 2x SFP • 19" • Fanless • JSON API • ALL-SG8610PMJ
223952	ALLNET Switch full managed Layer2+ 16 Port • 12x GbE • PoE Budget 130W • 8x PoE at • 4x Giga LAN • 4x SFP+ • 19" • ALL-SG8616PMJ-10G
232240	ALLNET Switch full managed Layer2+ 12 Port • 8x GbE • PoE Budget 300W • 8x PoE at • 4x SFP • 10" & 19" • Fanless • JSON API • ALL-SG8612PMJ
180817	ALLNET Switch unmanaged outdoor 3 Port Gigabit 100W / 3x PoE+ / 1x SFP / Fanless / IP67 / "ALL-SGO8103P"
195716	ALLNET Switch industrial full managed Layer2+ 6 Port GbE • PoE Budget 360W • 4x PoE bt • 2x SFP • Fanless • DIN • ALL-SGI8106PMJ-BT
219054	ALLNET Industrial Smart Managed Layer 2 Switch, 10-Port GbE • 69W PoE Budget • 7x PoE Outputs • 2x SFP Ports • 1x GbE PD Port • Fanless, IP40 • ALL-SGI8010PDM
223958	ALLNET Switch industrial full managed Layer2+ 12 Port GbE • PoE Budget 240W • 8x PoE at • 4x SFP • Fanless • DIN • JSON API • ALL-SGI8112PMJ
223959	ALLNET Switch industrial full managed Layer2+ 6 Port GbE • PoE Budget 120W • 4x PoE+ • 2x SFP • Fanless • DIN • JSON • ALL-SGI8106PMJ
234849	ALLNET Switch industrial fully managed Layer2+ 12 Port GbE • PoE budget 240W • 8x PoE BT • 4x SFP • Fanless • DIN • JSON API • ALL-SGI8112PMJ-BT
124355	Networkoptix IP Nx-Professional Videomanagement Software 1 Kanal
221116	Networkoptix IP Recorder ARM Linux for 2.5" HDD/SSD NX Server Pre-installed max. 8~10 cameras
221118	Networkoptix IP Recorder ARM Linux for 3.5" HDD/SSD NX Server Pre-installed max. 8~16 cameras
253794	Networkoptix IP Recorder X86 Intel N305 incl. Win11 PRO for 2x3.5" HDD/SSD max. 20 cameras
250268	ALLNET Mini PC NAS-N355, Windows 11 Pro pre-installed, 16GB Ram, 256GB SSD, Wifi 7, 2x USB 3.2, 2xHD out, 4x M.2 NVME

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