ALLNET IP Fixed Dome Camera / Outdoor / 8MP / IR / MIC / Vandal-Resistant / Low-Light / Motorized Vario Lens / 100° / “ALL-CAM2595-LVEFN”

>>> Go to the shop article



EAN CODE

4 0 3 8 8 1 6 1 6 3 7 9 0

ALLNET ALL-CAM2595-LVEFN – 8MP (4K) AI dome network camera with 2.7–13.5 mm motorised zoom and P-Iris

Key features

- **8MP / 4K Ultra HD:** max. 3840 × 2160 pixels at up to 60 fps
- **Motorised varifocal lens 2.7–13.5 mm @ F1.2** with P-Iris, autofocus and remote control of zoom and focus
- **Hybrid zoom up to 40x** (optical + digital)
- **High light sensitivity:** colour from 0.006 lux @ F1.2, B/W 0 lux with IR
- **IR night vision up to 50 m** (3 IR LEDs, 850 nm)
- **120 dB Super WDR** for scenes with high contrast between light and dark
- **AI video analytics:** Person and vehicle classification, attribute recognition, object counting, heatmap, fall and violence detection, PPE detection (safety helmet/high-visibility vest)
- **Acoustic classification:** detection of gunshots, glass breaking and screams
- **Quad-stream, H.265+ / H.264+** and digital image stabilisation (DIS)
- **Edge storage:** microSD/SDHC/SDXC up to 1 TB
- **IP67 and IK10:** weatherproof, vandal-proof metal housing, operation from -40 °°C to +60 °C
- **PoE (802.3af) or DC 10–28 V**, audio input/output, alarm I/O 1/1 (for power supply, see accessories)
- **NDAA-compliant**, ONVIF Profiles G/M/S/T

Product description

ALLNET GmbH - Maistraße 2 - 82110 Germering - sales@allnet.de - 089 / 894 222 22

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

The ALLNET ALL-CAM2595-LVEFN is a professional 8MP dome network camera fordemanding indoor and outdoor surveillance tasks. With 4K resolution at up to 60 frames per second, it captures even fast-moving objects smoothly and in great detail – ideal for car parks, driveways, storage areas, retail spaces or building perimeters.

At its heart is the motorised varifocal lens with a focal length of 2.7–13.5 mm and a fast F1.2 aperture. Zoom and focus can be conveniently adjusted remotely, allowing the frame to be optimised after installation without the need to use a ladder again. The P-Iris control precisely regulates the aperture, ensuring a high depth of field and consistentimage quality. In addition, the hybrid zoom enables up to 40x magnification.

Even in difficult lighting conditions, the camera delivers &impressive results: colour images are possible from as little as 0.006 lux, whilst in darkness the integrated IR illumination takes over with a range of up to 50 metres. 120 dB Super WDR, backlight compensation (BLC/HLC), 2D/3D noise reduction, defog and digital image stabilisation ensure clear images in backlit conditions, fog or when the camera is vibrating.

The integrated AI video analytics, based on deep learning, reliably distinguishesbetween people and vehicles, thereby significantly reducing false alarms. In addition to standard functions such as intrusion detection, line crossing, area entry and exit, loitering, and abandoned or removed objects, the camera offers advanced analytics: Attribute recognition of up to 50 targets simultaneously (e.g. clothing colour, headwear, bags, vehicle type), facial detection with attributes, people and vehicle counting, heatmaps, fall and violence detection, as well as the detection of safety helmets and high-visibility vests on construction sites and in industrial environments. The acoustic classification recognises sh&footsteps, glass breaking and screams, and triggers an alarm immediately. To ensure privacy-friendly operation, faces or individuals can be automatically pixelated.

Thanks to quad-stream and efficient H.265+ compression, recording, live view, mobile access and AI processing can each be handled via their own separate stream – which saves bandwidth and storage space. Recordings can be saved locally to a microSD card (up to 1 TB), on a NAS (NFS, SMB/CIFS) or using the ANR function. Integrated SIP/VoIP support, a microphone and an audio output enable two-way communication, for example at entrances or gates.

The robust metal housing, rated to IP67 and IK10, withstands the elements and vandalism and is designed for temperatures ranging from -40 °C to +60 °C. The clamshell design of the base provides ample space for cable connections and simplifies installation. Power is supplied either via PoE (802.3af) or via DC 10–28 V. Thanks to ONVIF Profiles G/M/S/T, the camera can be easily integrated into existing video management systems; its NDAA compliance also makes it suitable for projects with heightened compliance requirements.

Technical Specifications

Camera	
Image sensor	1/2.8? progressive scan CMOS
Minimum illumination	Colour: 0.006 lux @ F1.2; B/W: 0 lux with IR
WDR	120 dB Super WDR
Shutter speed	1/100,000 s – 1 s
Day/Night mode	Day / Night / Auto / Custom / Schedule
DORI range	Detection: 93.9–304 m; Observation: 37–120 m; Recognition: 18.5–59.8 m; Identification: 9.3–29.9 m
Signal-to-noise ratio	> 55 dB

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

IR illumination	
Number of IR LEDs	3
Wavelength	850 nm
Range	up to 50 m
Control	Auto, Manual
Lens	
Lens	Motorised, 2.7–13.5 mm @ F1.2
Field of view	H 100.2° – 27° / D 117.9° – 31.1° / V 51.9° – 15.1°
Minimum focus distance	Wide-angle: 1 m, Telephoto: 1 m
Orientation	Pan 0°–355°, tilt 0°–80°, rotate 0°–355°
Lens mount	F17
Focus	Auto / Manual
Aperture / Iris	max. F1.2, P-Iris (Auto / Manual)
Video	
Max. resolution	3840 × 2160 (8MP / 4K)
Main stream	60 Hz: 60 fps / 50 Hz: 50 fps @ 3840×2160, 3072×2048, 2592×1944, 2592×1520, 2048×1536, 1920×1080, 1280×960, 1280×720
Second stream	60 Hz: 60 fps / 50 Hz: 50 fps @ 704×576, 640×480, 640×360
Third stream	60 Hz: 30 fps / 50 Hz: 25 fps @ 1920×1080, 1280×720, 704×576, 640×480, 640×360
Fourth stream	60 Hz: 10 fps @ 1280×720, 30 fps @ 704×576, 640×480, 640×360; 50 Hz: 10 fps @ 1280×720, 25 fps @ 704×576, 640×480, 640×360
Video compression	H.265+ / H.265 (HEVC) / H.264+ / H.264 / MJPEG
Video bitrate	16 Kbit/s – 16 Mbit/s (CBR/VBR adjustable)
Image	
Privacy zones	up to 8 areas (mask or mosaic)
ROI	up to 8 areas
Image settings	Brightness / Contrast / Saturation / Sharpness
Image rotation	Off, 180°, horizontal/vertical flip, 90° clockwise/anti-clockwise
Image enhancement	BLC, HLC, 2D DNR, 3D DNR, AGC, Defog, AWB, Deblur, Anti-Flicker, LDC, DIS
Hybrid zoom	up to 40x
Intelligent analysis	
Video analysis	Intrusion detection, area entry, area exit, advanced

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

	motion detection, line crossing, loitering, object left behind, object removed
Attribute recognition	Up to 50 targets simultaneously; people and vehicles in real time; top/bottom clothing colour, headwear, bag; vehicle types (bicycle, car, motorbike, bus, lorry, e-scooter)
Face detection	Detection with real-time snapshots; attributes: age, gender, glasses, mask, cap
Object counting & reporting	Lane counting (people and/or vehicles), people counting in up to 4 zones
Heatmap	Yes
Noise classification	Gunshots, glass breaking, screaming – with immediate alarm triggering
PPE detection	Safety helmet (including helmet colour) and high-visibility vest; alarm triggered in the event of non-compliance
Data protection	Automatic pixelation of faces or individuals (main/secondary stream, H.265/H.264)
Additional detection features	Fall detection, violence detection
Events	
One-Click Disarm	Yes
Basic events	Motion detection, tamper detection, audio alarm, external input, external output, etc.
Exceptions	Network interruption, IP conflict, recording error, SD card full / not initialised / faulty / missing, etc.
Actions	FTP/SMTP upload, SD recording, snapshot, external output, audio playback, SIP call, HTTP notification, etc.
Network & Interfaces	
Ethernet	1 × RJ45 10/100 Mbit/s
Audio I/O	Integrated microphone, 1 × audio output
Alarm I/O	1 input / 1 output
Network storage	NAS (NFS, SMB/CIFS), ANR
Protocols	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, LLDP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, Bonjour, SIP, VPN, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL, TLS 1.2
Audio	
Compression	G.711 / AAC / G.722 / G.726
Sampling rate	8 / 16 / 32 / 44.1 / 48 kHz
Bitrate	16 – 256 kbit/s

ALLNET GmbH - Maistraße 2 - 82110 Germering - sales@allnet.de - 089 / 894 222 22

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

System	
Local storage	microSD/SDHC/SDXC up to 1 TB
Watermark	Yes
SIP/VoIP	Yes, voice and video over IP
Compatibility	ONVIF Profiles G / M / S / T, API
General	
Power supply	PoE (IEEE 802.3af) / DC 10 V – 28 V
Power consumption	Min.: 4.4 W (DC), 5.5 W (PoE) 24-hour average: 5.6 W (DC), 6.9 W (PoE) Max.: 9.7 W (DC), 12 W (PoE)
Surge protection	6 kV
Operating temperature	–40 °C to +60 °C
Humidity	0 – 95% rel. (non-condensing)
Protection rating	IP67, IK10
Dimensions	– 143 mm × 108.4 mm
Weight	net approx. 1.3 kg / gross approx. 1.6 kg
Certifications	CE-EMC (EN 55032, EN 55035), FCC (Part 15B), CE-LVD (EN IEC 62368-1), CE-RoHS (Directive (EU) 2015/863), NDAA-compliant

* Specified values (e.g. light sensitivity, IR range, DORI distances) are test values and may vary depending on environmental conditions and the device. The use of analysis functions such as face detection must be checked in accordance with applicable data protection regulations (including the GDPR). Power supply not included. Subject to technical changes and errors.

Accessories

Part No.	Name
268455	ALLNET IP Kamera zbh. Polemount/Masthalter for ALL-CAM25xx Series
268450	ALLNET IP Camera, e.g., Pole Mount/Mast Mount for the ALL-CAM25xx Series
268454	ALLNET IP Camera, e.g., Corner Mount for the ALL-CAM25xx Series
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

ALLNET GmbH - Maistraße 2 - 82110 Germering - sales@allnet.de - 089 / 894 222 22

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

Part No.	Name
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 • 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
250268	ALLNET Mini PC NAS-N355, Windows 11 Pro pre-installed, 16GB Ram, 256GB SSD, Wifi 7,

ALLNET GmbH - Maistraße 2 - 82110 Germering - sales@allnet.de - 089 / 894 222 22

Errors and technical changes that serve the interests of progress or development of the product, are reserved.

Part No.	Name
	2x USB 3.2, 2xHD out, 4x M.2 NVME

ALLNET GmbH - Maistraße 2 - 82110 Germering - sales@allnet.de - 089 / 894 222 22

Errors and technical changes that serve the interests of progress or development of the product, are reserved.