Outdoor Dual-Lens Camera (Bullet + Dome)



- PoE power supply
- One camera, dual views: the bullet lens captures the panorama, the dome lens captures the details
- Auto human tracking — follows the target wherever it goes. Once enabled, when the dome lens detects a human target, it automatically rotates to follow the target
- Dual-lens coordinated tracking for double protection. Once enabled, the bullet view is set as the priority protected view; when a human target is detected in the bullet view, the dome lens automatically rotates to track the target until it disappears
- Manual tracking, one tap to aim. When enabled, an aiming point appears on the live bullet view; move the aiming point manually and the dome lens automatically tracks it
- Multiple AI detections: motion / human / vehicle / zone detection, etc.
- Two-way audio talk and sound & light alarm
- Effective audio pickup range: 5 m
- Max. IR monitoring distance: 30 m, full-color night vision supported
- Bullet lens adjustable within a 15° tilt range
- Bracket manually adjustable; the whole camera body can be rotated 180° horizontally

Product Information	Product Model	C298 PoE Pro (New)	C298 PoE MAX (New)
	Product SKU	1PC-2988HM-US	1PC-29810HM-US
	Hardware Version	HW.V1.HHD10.8	HW.V1.HHL10.10
Camera	Pixels	Bullet: 4MP	Bullet: 5MP
		Dome: 4MP	Dome: 5MP
	Max. Image Size	2560×1440	2880×1620
	Aspect Ratio	16:9	16:9
	Frame Rate	15 fps for both bullet and dome lenses	15 fps for both bullet and dome lenses
	AI Computing Power	1 TOPS (INT8) 1 TOPS = 10^{12} OPS (1 trillion integer operations per second)	1 TOPS (INT8) 1 TOPS = 10^{12} OPS (1 trillion integer operations per second)
	Digital Noise Reduction	3D DNR	3D DNR
	Backlight Compensation	Yes	Yes
	Wide Dynamic Range (WDR)	/	/
	Highlight Suppression	Yes	Yes
	Day/Night Switch Threshold	Soft light sensor: day to night < 2 Lux; night to day > 4 Lux	Soft light sensor: day to night < 2 Lux; night to day > 4 Lux
	Day/Night Switch Mode	ICR (infrared cut-off filter)	ICR (infrared cut-off filter)
Image	Image Sensor Type	1/3″ sensor	1/2.7″ sensor
	Image Sensor Technology	BSI	FSI
	Resolution	Bullet/Dome: HD 2560×1440 Bullet/Dome: SD 640×360	Bullet/Dome: HD 2560×1620 Bullet/Dome: SD 640×360
	Stream Type	Variable bitrate	Variable bitrate
	Image Settings	HD/SD; watermark; brightness/chroma/saturation/contrast (adjustable via NVR)	HD/SD; watermark; brightness/chroma/saturation/contrast (adjustable via NVR)
Audio & Video Compression	Video Compression Standard	H.265(Main Profile)	H.265(Main Profile)
	Bitrate	HD: 5 Mbps SD: 512 Kbps	HD: 5 Mbps SD: 512 Kbps
	Bitrate Type	Variable	Variable
	Audio Sampling Rate	8 kHz	8 kHz
	Audio Bitrate	128 kbps	128 kbps
	Audio Compression Standard	G.711A	G.711A
Lens	Lens Mount Type	M12	M12
	Focal Length	Bullet: 3.0 mm	Bullet: 3.0 mm
		Dome: 6.0 mm	Dome: 6.0 mm
	Focus Type	Fixed focal	Fixed focal
	Aperture Type	Fixed aperture	Fixed aperture
	Lens Aperture	Bullet: F1.6	Bullet: F1.6
		Dome: F1.6	Dome: F1.6
	Depth of Field	Bullet (3.0 mm): 1 m ~ ∞ Dome (6.0 mm): 4.4 m ~ ∞	Bullet (3.0 mm): 1 m ~ ∞ Dome (6.0 mm): 4.4 m ~ ∞

Lens	Field of View	Bullet: Horizontal (H-FOV): 114° Vertical (V-FOV): 62° Diagonal (D-FOV): 138° Dome: Horizontal (H-FOV): 52° Vertical (V-FOV): 28.4° Diagonal (D-FOV): 60°	Bullet: Horizontal (H-FOV): 114° Vertical (V-FOV): 62° Diagonal (D-FOV): 138° Dome: Horizontal (H-FOV): 52° Vertical (V-FOV): 28.4° Diagonal (D-FOV): 60°
	Monitoring Distance	Optimal: 8 m; max. monitoring distance: 20 m	Optimal: 8 m; max. monitoring distance: 20 m
	Monitoring Area (m²)	Optimal coverage (height 2.5 m): 60 m²; max. coverage (height 3.5 m): 160 m²	Optimal coverage (height 2.5 m): 60 m²; max. coverage (height 3.5 m): 160 m²
Illumination	Night Vision Type	Full-color / black-white / smart night vision	Full-color / black-white / smart night vision
	LED Board	Bullet: 4 IR LEDs / Dome: 6 IR LEDs	Bullet: 4 IR LEDs / Dome: 6 IR LEDs
		Bullet: 2 white LEDs / Dome: 4 white LEDs	Bullet: 2 white LEDs / Dome: 4 white LEDs
	Night Vision Lighting	IR supplement, white light supplement	IR supplement, white light supplement
	IR Wavelength	850 nm (faint red glow)	850 nm (faint red glow)
	Light Luminous Flux	140lm	140lm
	Color Temperature	4500K	4500K
	IR Night Vision Distance	30 m	30 m
PTZ	Horizontal Rotation Angle	330°	330°
	Vertical Rotation Angle	120°	120°
	Horizontal Motor Gear Ratio	1/25	1/25
	Horizontal Motor Step Angle	5.625° /64	5.625° /64
	Horizontal Motor Output Torque	⩾ 400 gf • cm	⩾ 400 gf • cm
	Vertical Motor Gear Ratio	1/64	1/64
	Vertical Motor Step Angle	5.625° /64	5.625° /64
	Vertical Motor Output Torque	⩾ 800 gf • cm	⩾ 800 gf • cm
AI Algorithms	Motion Detection	Yes	Yes
	Human Detection	Yes	Yes
	Vehicle Detection	Yes	Yes
	Zone Detection	Yes (zone intrusion / zone exit / vacancy detection / pass-in & pass-out detection / loitering detection)	Yes (zone intrusion / zone exit / vacancy detection / pass-in & pass-out detection / loitering detection)
	People Counting	Yes	Yes
	Dual-Lens Coordinated Tracking	Yes	Yes
	Human Tracking	Yes	Yes
	Manual Tracking	Yes	Yes

Camera Features	Alarm Linkage	Smart sound & light alarm (built-in buzzer + strobe light), App push notification	Smart sound & light alarm (built-in buzzer + strobe light), App push notification
	Privacy Masking	Up to 5 customizable zones	Up to 5 customizable zones
	Two-Way Audio	Yes	Yes
Network Settings	Network Connection	Wired connection	Wired connection
	Supported Protocols	TCP/IP, HTTP, DHCP, DNS, MQTT, P2P, RTSP, ONVIF	TCP/IP, HTTP, DHCP, DNS, MQTT, P2P, RTSP, ONVIF
	Voice Assistant	/	/
	Firmware Upgrade	Local upgrade	Local upgrade
Recording & Storage	Local Storage	NVR	NVR
	Recording Mode	Continuous recording / alarm recording	Continuous recording / alarm recording
	Recording Resolution	Main stream	Main stream
	Recording Format	Video stream format	Video stream format
	Recording Size		70 GB per camera per day
	Cloud Storage	/	/
Ports & Buttons	Ethernet Port	Yes, RJ45 10M/100M adaptive Ethernet port	Yes, RJ45 10M/100M adaptive Ethernet port
	Audio Input	Built-in high-sensitivity microphone	Built-in high-sensitivity microphone
	Audio Output	Built-in speaker	Built-in speaker
	Button	Reset button	Reset button
General	Material	Dome: metal rear shell; housing: plastic (ABS)	Dome: metal rear shell; housing: plastic (ABS)
	Ingress Protection	IP66, waterproof and dustproof	IP66, waterproof and dustproof
	Operating Temperature / Humidity	-10 ℃ ~ 55 ℃, humidity < 95% (non-condensing)	-10 ℃ ~ 55 ℃, humidity < 95% (non-condensing)
	Power Supply	PoE IEEE 802.3af / DC 12V	PoE IEEE 802.3af / DC 12V
	Power Connector	Ø5.5 mm barrel connector	Ø5.5 mm barrel connector
	Dimensions (mm)	Wall mount: 260×150×180; Ceiling mount: 290×150×135	Wall mount: 260×150×180; Ceiling mount: 290×150×135
	Weight (g)	725g	725g
	Installation	Flat / wall / ceiling / pole mount (screws included)	Flat / wall / ceiling / pole mount (screws included)
	Supported Clients	App: Zosi Smart PC: AVSS (remote live view, alarm push, multi-device management)	App: Zosi Smart PC: AVSS (remote live view, alarm push, multi-device management)
	Certifications	FCC, CE	FCC, CE
	Packing List	Camera, network cable, screw pack, lens adjustment handle, reset pin, user manual	Camera, network cable, screw pack, lens adjustment handle, reset pin, user manual
	Application Scenarios	Indoor home / outdoor home / shops	Indoor home / outdoor home / shops