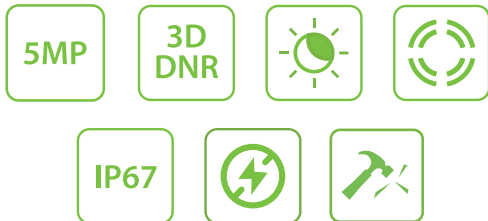# DL-855L28B-E3 | BioEco Series

5MP Motorized Lens Face Detection Dome IP Camera

- 1/2.8" Sony STARVIS CMOS sensor
- H.265+ dual stream encoding
- High quality optical lens: 3.6~10.8mm
- IR effective range 30m
- Built-in PoE
- An embedded face detection algorithm
- Intelligent video analytics available
- Multiple web browsers supported
- P2P cloud remote viewing by Mobile Application/VMS
- Lightning protection up to 6kV
- IP67 metal casing

5MP | **3D DNR** | **IP67**

System Overview

BioEco Series is a super cost-efficient solution that is powered by cutting-edge technology for crystal clear video monitoring with embedded face detection algorithm, the camera supports White/Black list event alarm deployment in different scenarios. The camera also supports multiple industry-leading Intelligent video analytic functions, such as Face Detection, Line Crossing, Intrusion, Object Left/Lost, Counting for smart event alarms. The P2P cloud function is built-in for every device , allowing more convenient and flexible remote real-time viewing and monitoring.

Functions

H.265+
H.265+ technology is an evolutionary optimization of H.265 and the traditional H.264. It includes a series of encoding strategies such as dynamic ROI, smart 2D&3D noise reduction for delivering high-quality videos and greatly saving up to 70% bandwidth and storage.

Protection
With the precise mechanical and rugged metal casing design, IP cameras of the BioEco series rated IP67 could stand against water and dust for a long time.
With 10% of input voltage tolerance, the cameras could work safely under extreme or unstable power conditions.
With a working temperature range from -30°C ~ 60°C, the cameras could adapt to a variety of harsh outdoor environments.

Technical Parameters

Camera

Model	DL-855L28B-E3	Flash / DDR	128Mb / 1Gb
Image Sensor	1/2.8" Sony STARVIS CMOS	IR LED No.	4
Effective Pixels	2560*1920	IR Distance	30m
Min. Illumination	Color: 0.1Lux@F1.7 (AGC ON) B/W: 0.001Lux@F1.7 (AGC ON)	S/N Ratio	>52dB

Lens

Lens Type	Motorized	Aperture	F1.7~F3.3
Mount Type	Board-in	FOV	29.8°~93.5°
Focal Length	3.6mm~10.8mm	Optical Zoom	3X

Video

Compression	H.265+ / H.265 / H.264		WDR	DWDR
Resolution	5MP(2560x1920) / 4MP (2688 x 1520) / 3MP (2304 x 1296) / 1080P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720)		Day / Night	Support
Bitrate Control	CBR / VBR		White Balance	Support
Bitrate	H.265+: 4Mbps - 16Mbps H.265: 4Mbps - 16Mbps H.264: 5Mbps - 20Mbps		Defog	Support
Multi-Streaming	Main stream	5MP@20FPS/ 4MP@25FPS / 3MP@25FPS / 1080P@25FPS / 960P@25FPS / 720P@25FPS	Noise Reduction	2D/3D DNR
	Sub stream	D1@25fps / VGA@25fps / CIF@25fps	Mirror/Flip	Support
	Third stream	N/A	Corridor Mode	Support
Motion Detection	Support		HLC	Support
Digital Zoom	Support		BLC	Support
Audio Compression	G7.11u		ROI	4 areas
Privacy Mask	5 areas		Anti-flicker	Support

IVA

Intelligent Video	Face Detection / Line Crossing / Intrusion / Object Left / Lost / Counting / Video Tampering

Facial Detection

Face Templates	N/A	Face Quality Filtering	Support
Face Detected per Frame	30	Detection Area	User-defined
Detected Face Size	80x80~300x300 Pixels	Capture Response	≤1s

Network

Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, NTP	Management Software (VMS)	AntarVis 2.0 ZKBioSecurity IVS BioAccess IVS
Interoperability	ONVIF Profile S, SDK, API	Operation System	Windows
Max. Online Users	3	Mobile APP	AntarView Pro
Web Browser	IE / Firefox / Chrome / Safari	P2P Cloud Service	Support

Note: Video streaming is not available for Firefox/Chrome/Safari

Interface

Ethernet	1 RJ-45 port (10/100Mbps)	Reset Button	N/A
Audio I/O	1/0	Micro-SD Slot	N/A
Alarm I/O	N/A	ANR	N/A
RS485	N/A	USB	N/A

General

Power Supply	PoE (IEEE802.3af), DC 12V±10%	Working Temperature	-30℃ ~ 60℃
Power Consumption	<3W	Working Humidity	10% ~ 90%
Ingress Protection	IP67	Net Weight	0.50kg
Dimensions	Φ102 * 93.3 (mm)	Gross Weight	0.70kg

Order Information

Camera	Model	Description
5MP Camera	DL-855L28B-E3	5MP Motorized Lens Face Detection Dome IP Camera

Dimensions (mm)