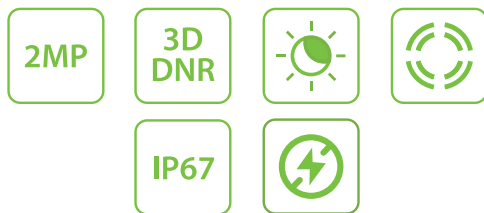# DL-852Q28B | BioUltra Series
2MP Motorized Lens Facial Recognition Bullet IP Camera

- 1/2.8" 2MP Sony STARVIS CMOS sensor
- H.265+ triple stream encoding
- High-quality optical lens 3.35-10.05mm
- 30m IR effective range
- Built-in PoE
- An embedded facial recognition algorithm
- The capacity of 2,000 face templates in the camera
- White/Black-list alarm deployment
- Intelligent video analytics available
- Multiple web browsers supported
- Remote viewing with mobile application or VMS
- Lightning protection up to 6kV
- IP67 metal casing

2MP **3D DNR** **IP67**

System Overview

The BioUltra series of 2MP Starlight Facial Recognition Cameras offers computer vision technology at the edge-performing complex real-time facial recognition and facial feature comparison without the need for an external face database.

With the embedded facial recognition algorithm, cameras of the BioUltra series could accurately capture and compare the acquired face data with face templates stored in the database. The series also supports White/Black-list event alarm deployment in different scenarios.

Meanwhile, benefited from the outstanding Sony STARVIS sensor and ISP optimization, it's capable of balancing light throughout the scene and promising crystal-clear images in dark environments.

BioUltra series 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 cloud function is built-in for every device, which is more convenient and flexible for remote real-time viewing.

BioUltra series IP cameras also support registration of face templates remotely from the mobile Application AntarView Pro which provides excellent and convenient user experience.

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 significantly saving up to 70% bandwidth and storage.

Protection
With its precise mechanical and rugged metal casing design, IP cameras of the BioPro 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℃ to 60℃, the cameras could adapt to a variety of harsh outdoor environments.

Technical Parameters

Camera

Model	DL-852Q28B	Flash / DDR	1Gb / 4Gb
Image Sensor	1/2.8" Sony STARVIS CMOS	IR LED No.	4 (Smart IR)
Effective Pixels	1920*1080	IR Distance	30m
Min. Illumination	Color: 0.001Lux@F1.7 (AGC ON)	S/N Ratio	>52dB

Lens

Lens Type	Motorized	Aperture	F1.7 ~ F3.0
Mount Type	Board-in	FOV	38° ~ 107°
Focal Length	3.35mm ~ 10.05mm	Optical Zoom	3X

Video

Compression	H.265+ / H.265 / H.264	WDR	TWDR
Resolution	1080P (1920 * 1080) / 1.3MP (1280 * 960) / 720P (1280 * 720) / Q720P (640 * 360) / CIF (352 * 288)	Day / Night	Support
Bitrate Control	CBR / VBR	White Balance	Support
Bitrate	H.265+: 1536Kbps - 7Mbps H.265: 1536Kbps - 7Mbps H.264: 1792Kbps - 9Mbps	Defog	Support
Multi-Streaming	Main Stream: 1080P@25fps	Noise Reduction	2D/3D DNR
	Sub Stream: Q720P@25fps	Mirror/Flip	Support
	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	Facial Recognition / Line Crossing / Intrusion / Object Left / Lost / Counting / Video Shelter / Scene change / Audio Detection / Fire Detection / VQD

Facial Recognition

Face Templates	3,000	Face Quality Filtering	Support
Face Detected per Frame	30	Detection Area	User-defined
Detected Face Size	60 x 60 ≤ X ≤ 300 x 300	Capture Response	≤1s

Network

Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP	Management Software (VMS)	AntarVis 2.0 ZKBioSecurity IVS BioAccess IVS
Interoperability	ONVIF Profile S, SDK, API	Operation System	Windows
Max. Online Users	5	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	Support
Audio I/O	1/ 1	Micro-SD Slot	Support (Max 128GB)
Alarm I/O	2 /1	ANR	Support
RS485	Support	USB	N/A

General

Power Supply	PoE (IEEE802.3af), DC12±10%	Working Temperature	-30℃ ~ 60℃
Power Consumption	<3W	Working Humidity	10% ~ 90%
Ingress Protection	IP67	Net Weight	0.50kg
Dimensions	Φ102*93.2 mm	Gross Weight	0.70kg

Order Information

Camera	Model	Description
2MP Camera	DL-852Q28B	2MP Motorized Lens Facial Recognition Dome IP Camera

Dimensions (mm)