

DL-854N28B | BioPro Series 4MP Motorized Lens Face Detection Dome IP Camera



- 1/3" 4MP CMOS sensor
- H.265+ dual-stream encoding
- High-quality optical lens: 2.8-12mm
- 30m IR effective range
- Built-in PoE
- An embedded face detection algorithm
- 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

System Overview

BioPro Series 4MP IP cameras provide a cost-efficient solution that is powered by cutting-edge technology for crystal-clear video monitoring.

With an embedded face detection algorithm, the camera supports White/Black-list event alarm deployment under different scenarios.

The BioPro series also offers 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, which is more convenient and flexible for remote real-time viewing.

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°C to 60°C, the cameras could adapt to a variety of harsh outdoor environments.

Technical Parameters

| ModelDL-854N28BFlash / DDRI GLb / 2GbImage Sensor1/3'CMOSIRLED No.4 (Smart IR)Effective Pixels2592*1520IR Distance30mMin. Illumination1Color: 0.01Lux@F1.4+F2.8 (AGC ON)S/N Ratio552dBLensMotorizedKratio552dBLens TypeMotorizedApertureF14-F2.8Mount TypeBoard-InF0V37*-95*Focal Length2.8 mm·12mmOtical Zoom3XVicieoViciea3XVicieoMOPC3XForgerssionH.2654, H.265, H.264MDRDWDRResolutionH.2654, H.265, H.264MDRSupport1000P (1250, V130P/12007) (1200 / V200 (1200 / 1200 | Camera | | | | |
|--|--|-----------------------------------|------------------------|--------------|--|
| Effective Pixels2592*1520IR Distance30mMin. IlluminationColor: 0.01 Lux@F1.4-F2.8 (AGC ON)S/N Ratio>52dBLensMotorizedApertureF1.4 - F2.8Mount TypeBoard-inFOV37"-95"Focal Length2.8mm-12mmOptical Zoom3XVideo0ptical Zoom3XVideoDay/NightDWDRResolutionH2.65+, H.265, H.264WDRDWDRResolutionH2.65+, H.265, H.264WDRDWDRResolution10.24K Dps < MD(230 x 1000) / 1.3MP (1280 x 900) / 720P (1280 x 720)Day/NightSupportBitrate ControlCRR./VBRWhite BalanceSupportMulti-Stream: MP@25fps / SMP@25fps | Model | DL-854N28B | Flash / DDR | 1Gb / 2Gb | |
| Min. IlluminationColor: 0.01Lux@F1.4-F2.8 (AGC ON)S/N Ratio>>2dBLensVietorS/N Ratio>>2dBLens TypeMotorizedApertureF1.4 - F2.8Mount TypeBoard-inF0V37"-95"Focal Length2.8mm-12mmOptical Zoom3XVideoVietorVietorSupportCompressionH.265, H.265, H.265, H.267, M.206, V.200 (1280, V.200)Day / NightDWDRResolutionMUP (2592 x 1520) / 3MP(2304 x 1296) 1080P (1920 x 1080) / 7.20P (1280 x 720)Day / NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate ControlCBR / VBRDefogN/AMulti-StreamingMain Stream: 4MP@25[5p / 3M@25[5p / 720P@25[5p / 72 | Image Sensor | 1/3"CMOS | IR LED No. | 4 (Smart IR) | |
| LensMotorizedApertureF1.4 - F2.8Mount TypeBoard-inFOV37"95"Focal Length2.8mm-12mmOptical Zoom3.XVideo3.XVideoDWDRCompressionH.265, H.265, H.267, H.26 | Effective Pixels | 2592*1520 | IR Distance | 30m | |
| Lens TypeMotorizedApertureF14-F2.8Mount TypeBoard-inFOV.37"-95"Focal Length2.8mm-12mmOptical Zoom.3XVideo | Min. Illumination | Color: 0.01Lux@F1.4-F2.8 (AGC ON) | S/N Ratio | >52dB | |
| Mount Mount Mount Pocal LengthBoard-lin Board-linFOV37*-95°Focal Length2.8mm-12mmOptical Zoom3XVideoCompressionH.265+, H.265, H.264WDRDWDRResolutiondMP (2592 x 1520) / 3MP(2304 x 1296) 1080 P (1292 x 1080) / 1080 P (1292 x 1080) / 3MP (1280 x 960) / 720P (1280 x 720)Day/NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate1024Kbps ~ 4MbpsDefogN/AMuiti-Stream: 4MP@25fps / 3MP@25fps / 1080P@25fps | Lens | | | | |
| road Focal Length2.8mm-12mmOptical Zoom3XVideo </th <th>Lens Type</th> <th>Motorized</th> <th>Aperture</th> <th>F1.4 - F2.8</th> | Lens Type | Motorized | Aperture | F1.4 - F2.8 | |
| VideoCompressionH.265+, H.265, H.264WDRDWDRResolution4MP (2592 x 1520) / 3MP(2304 x 1296) / 1.3MP (1280 x 960) / 720P (1280 x 720)Day / NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate1024Kbps ~ 4MbpsDefogN/AMain Stream: 4MP@25fps / JMP@25fps / 720P@25fps / y60P@25fps / 720P@25fps / Moise Reduction2D/3D DNRMulti-StreamingSub Stream: 1@25fps / VGA@25fps / 720P@25fps / VGA@25fps / TDiod Stream: N/ACorridor ModeSupportMotion DetectionSupportHLCSupportDigital ZoomG.7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Target Count / Target Count / Target Count / Target SupportFace TemplatesN/AFace Quality FilteringSupportFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Mount Type | Board-in | FOV | 37°~95° | |
| CompressionH.265+, H.265, H.264WDRDWDRResolution4MP (2592 x 1520) / 3MP (2304 x 1290) 1.080P (1920 x 1580) / 1.3MP (1280 x 960) / 720P (1280 x 720)Day / NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate Control1024Kbps ~ 4MbpsDefogN/AMulti-Stream: 4MP@25fps / 3MP@25fps / 720P@25fps / 720P@25fps / CIF@25fpsNoise Reduction 2D/3D DNR2D/3D DNRMulti-StreamingSub Stream: 10@2fps / VGA@25fps / CIF@25fpsMirror/FlipSupportSub Stream: DI@2fps / VGA@25fps / CIF@25fpsCorridor ModeSupportMotion DetectionSupportBLCSupportDigital ZoomG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Court / VQD / Video TamperingFace TemplatesN/AFace Quality FilteringSupportFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Focal Length | 2.8mm-12mm | Optical Zoom | 3X | |
| Resolution4MP (2592 x 1520) / 3MP(2304 x 1296) / 1080P (1920 x 1080) / 1.3MP (1280 x 960) / 720P (1280 x 720)Day / NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate ControlCBR / VBRDefogN/AMulti-Stream: 4MP@25fps / 3MP@25fps / 720P@25fps / 720P@25fps / 720P@25fps / 720P@25fps / CIF@25fps / Sub Stream: DI@25fps / 960P@25fps / 720P@25fps / CIF@25fps / Sub Stream: N/ANoise Reduction2D/3D DNRMulti-StreamingMain Stream: 4MP@25fps / 960P@25fps / 720P@25fps / CIF@25fps / Sub Stream: DI@25fps / Sub Stream: N/ACorridor ModeSupportMotion DetectionSupportHLCSupportDigital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportFace DetectionFace Detection / Line Crossing / Area Det-tor / Target Court / VQD / Video TamperingFace TemplatesN/AFace Quality FilteringSupportFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Video | | | | |
| Resolution1080P (1920 x 1080)/ 1.3MP (1280 x 960) / 720P (1280 x 720)Day / NightSupportBitrate ControlCBR / VBRWhite BalanceSupportBitrate Control1024Kbps ~ 4MbpsDefogN/AMain Stream: 4MP@25fps / 3MP@25fps / 1080P@25fps / 960P@25fps / 720P@25fpsNoise Reduction2D/3D DNRMulti-StreamingSub Stream: D1@25fps / VGA@25fps / T20P@25fpsMirror/FlipSupportSub Stream: D1@25fps / VGA@25fps / CIF@25fpsMirror/FlipSupportMution DetectionSupportHLCSupportMotion DetectionSupportBLCSupportJigital ZoomG7.11uROISupportPrivacy Mask4 areasAnti-flickerSupportIntelligent VideoFace Detection / Target Count / Target Count / Target Count / Target SupportFace DetectedFace TemplatesN/AFace Quality FilteringSupportFace Detected30Detection AreaUser-defined | Compression | H.265+, H.265, H.264 | WDR | DWDR | |
| Bitrate1024Kbps ~ 4MbpsDefogN/ABitrate1024Kbps ~ 4MbpsDefogN/AMain Stream: 4MP@25fps / JMP@25fps / / 1080P@25fps / / 20P@25fps / / 20P@25fps / / 20P@25fps / / 20P@25fpsNoise Reduction2D/3D DNRMulti-StreamingSub Stream: D1@25fps / VGA@25fps / (EF@25fpsMirror/FlipSupportSub Stream: D1@25fps / VGA@25fps / (EF@25fpsMirror/FlipSupportMotion DetectionSupportCorridor ModeSupportIntid Stream: N/ACorridor ModeSupportDigital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Dijett Left/Lost //QD / Video TamperingFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Resolution | 1080P (1920 x 1080) / | Day / Night | Support | |
| Main Stream: 4M/925fps / MP925fps / 1080P@25fps / 960P@25fps / 720P@25fpsNoise Reduction2D/3D DNRMulti-StreamingSub Stream: D1@25fps / VGA@25fps / CIF@25fpsMirror/FlipSupportSub Stream: D1@25fps / VGA@25fps / CIF@25fpsCorridor ModeSupportMotion DetectionSupportHLCSupportDigital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / USert / | Bitrate Control | CBR / VBR | White Balance | Support | |
| Multi-Streaming/1080P@25fps / 960P@25fps / 720P@25fpsNoise Reduction2D/3D DNRMulti-StreamingSub Stream: D1@25fps / VGA@25fps / CIF@25fpsMirror/FlipSupportSub Stream: D1@25fps / VGA@25fps / CIF@25fpsCorridor ModeSupportMotion DetectionSupportCorridor ModeSupportMulti-Stream: N/ACorridor ModeSupportMotion DetectionSupportHLCSupportDigital ZoomG7.11uBLCSupportAudio CompressionG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Detect Juck / VQD / Video TamperingFace Detected Per FrameN/AFace Quality FilteringSupport | Bitrate | 1024Kbps ~ 4Mbps | Defog | N/A | |
| Substrain CIF@25fpsMirror/FlipSupportMirror/FlipSupportMirror/FlipSupportMotion DetectionSupportMotion DetectionSupportMirror/FlipSupportMurror/FlipSupportMotion DetectionSupportMirror/FlipSupportMirror/FlipSupportMirror/FlipSupportMirror/FlipSupportMirror/FlipSupportMirror/FlipSupportMirror/FlipHLCSupportBLCSupportSupportAudio CompressionG7.11uROI4 areasPrivacy Mask4 areas4 areasAnti-flickerSupportSupportIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Upt / Video TamperingFace TemplatesN/AFace Quality FilteringFace Detected Per Frame30Detection AreaUser-definedSupport | Multi-Streaming | / 1080P@25fps / 960P@25fps / | Noise Reduction | 2D/3D DNR | |
| Motion DetectionSupportHLCSupportDigital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIvAIntelligent VideoFace Detection / Target Count / Joset XVQD / Video TamperingFace DetectionN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | | | Mirror/Flip | Support | |
| Digital ZoomSupportBLCSupportAudio CompressionG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIVAIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Diget Left/Lost /VQD / Video TamperingFace DetectionFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | | Third Stream: N/A | Corridor Mode | Support | |
| Audio CompressionG7.11uROI4 areasPrivacy Mask4 areasAnti-flickerSupportIVAIvacuation of the Crossing / Area Detection / Target Count / Detect Left/Lost /VQD / Video TamperingIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Detect Left/Lost /VQD / Video TamperingFace DetectionFace Councility FilteringSupportFace Detected30Detection AreaUser-defined | Motion Detection | Support | HLC | Support | |
| Privacy Mask4 areasAnti-flickerSupportIVAIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Diget Left/Lost /VQD / Video TamperingFace DetectionFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Digital Zoom | Support | BLC | Support | |
| IVAIntelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Object Left/Lost /VQD / Video TamperingFace DetectionFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Audio Compression | G7.11u | ROI | 4 areas | |
| Intelligent VideoFace Detection / Line Crossing / Area Detection / Target Count / Object Left/Lost / VQD / Video TamperingFace DetectionFace TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Privacy Mask | 4 areas | Anti-flicker | Support | |
| Face Detection Face Templates N/A Face Quality Filtering Support Face Detected Per Frame 30 Detection Area User-defined | IVA | | | | |
| Face TemplatesN/AFace Quality FilteringSupportFace Detected Per Frame30Detection AreaUser-defined | Intelligent Video Face Detection / Line Crossing / Area Detection / Target Count / Object Left/Lost /VQD / Video Tampering | | | | |
| Face Detected Per Frame 30 Detection Area User-defined | Face Detection | | | | |
| Per Frame 30 Detection Area User-defined | Face Templates | N/A | Face Quality Filtering | Support | |
| Detected Face Size80x80 ~ 300x300 PixelsCapture Response<1s | | 30 | Detection Area | User-defined | |
| | Detected Face Size | 80x80 ~ 300x300 Pixels | Capture Response | ≤1s | |

BioPro Series | DL-854N28B

| 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 | 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 | 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°C ~ 60°C | | |
| 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 |
|------------|------------|---|
| 4MP Camera | DL-854N28B | 4MP Motorized Lens Face Detection Bullet IP Camera |

Dimensions (mm)



