

# DATA SHEET IR Video 8MP Outdoor Vari-focal Bullet Camera with Active Deterrence

The IR Video range of products provides the video surveillance technology for Inner Range's Unified Video, Access and Security solutions. The complete range of products include Video Gateways for providing the link to Inner Range's IR Connect cloud services and through to the full connected eco-system of Inner Range solutions, Edge Cameras incorporating onboard storage and video analytics, and Active Deterrence Cameras providing Video Analytic driven alarm conditions into the IR Eco-system.

The IR CONNECT Mobile Application provides users with the ability to remotely connect, arm & disarm the unified solution, receive events and alarm notifications and associated video to verify the situation on site. This comprehensive security solution incorporating Video, Access Control and Intruder Alarm protects your premises, your assets and most importantly... your people.

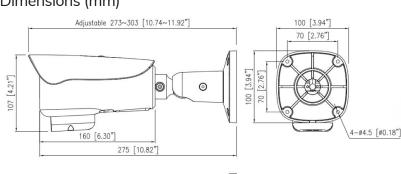
#### **Key Features**

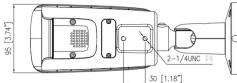
- 1/1.8" progressive scan CMOS
- Active Deterrence 2.7 -13.5mm
- 25/30fps @ 8MP(3840×2160)
- 3.6 to 11 mm motorized lens
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting and video metadata
- True WDR, 3D DNR, ROI, Defog, HLC
- Built-in microphone and speaker
- Built-in IR and warm light, IR distance up to 60m, warm light distance up to 40m
- IP66

### Dimensions (mm)



#### IR-V-C8B-200Z





#### Accessories







POLE MOUNT IR-V-BKB-POL-01



IR-V-C8B-200ZB

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## Specification

| <table-container>Inage SensionInterventionBinder SensionSensionBinder Se</table-container>  | Camera                      |   |                       |                  |                 |
|---|-----------------------------|---|-----------------------|------------------|-----------------|
| Ideatonic ShutterAuto/Manual, JS in         | Image Sensor                | 1/1.8" Progressive Scan CMOS  |                       |                  |                 |
| Min. IlluminationColor: 0.003 Lux U + U + U + U + U + U + U + U + U + U   | Max Resolution              | 3840(H) × 2160(V)   |                       |                  |                 |
| Day & NightAuto (ICR)Angle AdjustmentPaine Store Turine Sequence Seq                                    | Electronic Shutter          | Auto/Manual, 1/5 to 1/20,000s   |                       |                  |                 |
| Angle AdjustmentPare: 0' to 360', Tile U to 90', Rotation: U to 360'LensMotorized focusLens TypeMotorized focusBroalDC-IrisFocal Length3.6 to 11 mF NumberF1.3Angle of ViewF1.3Angle of ViewPace 10.6'' to 47.3''.'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.'.  | Min. Illumination           | Color: 0.003 Lux @ (F1.3, AGC ON) , 0 Lux with light on                     |                       |                  |                 |
| LensMotorized focusLens TypeMotorized focusHisDC-IrisFocal Length3.6 to 11 mmF NumberF1.3Angle of ViewF1.3Angle of ViewH: 10.6" to 47.3", H: 57.9" to 26.8"DORI DistanceDORI DistanceUie (11 mm)DC-Iris9.2 m (30.8 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)9.2 m (30.2 ft)19.4 m (50.4 ft)0.2 m (30.2 ft)19.4 m (50.4 ft)9.2 m (30.2 ft)19.4 m (50.4 ft)0.2 m (30.2 ft)19.4 m (50.4 ft)9.2 m (30.2 ft)19.5 m (50.6 ft)9.2 m (30.2 ft)19.6 m (50.7 m (20.2 ft)9.2 m (30.2 ft)19.7 m (50.6 ft)9.2 m (30.2 ft)19.7 m (50.6 ft)9.2 m (30.2 ft)19.7 m (50.6 ft)9.2 m (30.2 f   | Day & Night                 | Auto (ICR)  |                       |                  |                 |
| Ins TypeMetorized focusIrisDC-IrisFocal Length36 to 11 mF NumberF13Angle of ViewF1.3Angle of ViewH: 11.0° to 47.3° to 26.8°DORI DistanceSearceDErectMecogniseIdentify92 m (301.8 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)Yide (3.6 mm)92 m (301.8 ft)36.8 m (120.7 ft)10 m (328.1 ft)17.1 miniatorDetect18.1 miniator TypeR. warm lightIlumination Olyff ControlR distance up to U196.8 ft) WartVidoStreamsStreaming CapabilityStreamsStreaming CapabilityStreamsStreaming CapabilityStreams: Stream: 13840×216·2552/5142.4 2560×2142/2506/55Streaming CapabilityStreams: 1200 KbpsStreams: Stream: 201.VGA (25/30 ftpsStream: 201.VGA (25/250 ftpsStr  | Angle Adjustment            | Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°                      |                       |                  |                 |
| IrisDC-IrisFocal Length3.6 to 11 mmF NumberF1.3Angle of ViewH: 11.06° to 47.3° V: H: 57.9° to 26.8°DORI DistanceViewRecogniseLensDetectObserveRecogniseUdie (3.6 mm)9.2 m (30.18 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)Tele (11 mm)DC-Iris250 m (820.2 ft)100 m (328.1 ft)Iduminator TypeIR, warn lightJJIluminator On/Off ControlAuto/ManualJJVidooStreamsJJJStreaming Capability3 StreamsStreams: 3840×2160, 2592×1944, 2530/psStream: 201, VGA, CIF @25/30/psStreaming CapabilityCBR/VBRStream: 201, VGA, CIF @25/30/psStream: 201, VGA, CIF @25/30/psBit Rate ControlCBR/VBRStream: 200 kDps to 54 MbpsStream: 100 kDps to 54 MbpsStream: 2100 kDps to 54 MbpsStream: 210 kGA:Stream: 2100 kDps to 54 MbpsStream: 210 kGA:Stream: 2100 kDps to 54 MbpsStream: 210 kGB:Stream: 2100 kDps to 54 MbpsStream: 2100 kGB:Str   | Lens                        |   |                       |                  |                 |
| Focal Length3.6 to 11 mmF NumberF1.3Angle of ViewH: 11.06° to 47.3° K.H: 57.9° to 26.8°DORI DistanceDetectObserveRecogniseLensDetectObserveRecogniseIdentifyYide (3.6 m)9.2 m (30.18 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)9.2 m (30.2 ft)Tele (11 mm)DC-tris250 m (820.2 ft)100 m (328.1 ft)25 m (82.0 ft)HuminatorIR. warm lightIt is a trace up to 196.8 ft) Warm Elst distance up to 116.8 ft) Warm Elst distance up to 116.8 ft) WarmVideo (30.2 ft)Huminator On/Off ControlRetram: 3840×2 to 5592×1520, 2560×144 v, 2304×1295<br>Stream? Elst distance up to 2592×1944, 2592×1520, 2560×144 v, 2304×1295<br>Stream? Elst distance up to 2592×1944, 2592×1520, 2560×144 v, 2304×1295<br>Stream? Elst distance up to 2592v1944, 25930fps<br>Stream? Elst distance up to 25930fps<br>Stream? Elst Maps<br>Stream? Elst MapsSmart EncoderSupportAutioCompressionG.711, RAW_PCHSmart FunctionMuti-Objection DetectioSupports face, hum, vehicle detection at captureMuti-Objection DetectioSupports face, hum, vehicle detection at captureMuti-Objection DetectioSupport atam types, figue hum, vehicle detection at captureMuti-Objection DetectioSupport street, street, street, st   | Lens Type                   | Motorized focus   |                       |                  |                 |
| F NumberF1.3Angle of ViewF1.10.6° to 47.3°. V: H: 57.9° to 26.8°DORI DistanceDetectObserveRecogniseLensDetectObserveRecogniseIdentify92 m (30.18 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)9.2 m (30.2 ft)Tele (11 mm)DC-Iris250 m (820.2 ft)100 m (328.1 ft)25 m (820.2 ft)IluminatorIR distance up to EUT TELE TELE TELETELE TELE TELE TELE TELETELE TELE TELE TELE TELE TELE TELE TELE   | Iris                        | DC-Iris   |                       |                  |                 |
| Angle of ViewH: 110.6° to 47.3°. H: 57.9° to 26.8°DORI DistanceUse of 2018 pionesLensDetectØbserveRecogniseIdentifyVide (3.6 mm)9.2 m (30.1 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)9.2 m (30.2 ft)Tele (11 mm)DC-Iris250 m (820.2 ft)100 m (328.1 ft)25 m (820.7 ft)IluminatorIR. warm lightUSENEUSENEUSENEIluminator TypeIR. warm lightUSENEUSENEUSENEIlumination On/Off ControlAuto/ManualUSENEUSENEVideoStreamsStreamsStreamsUSENEStream/Frame EateStream1: 3840×150×2592×1944, 250, 2560×144 v, 2304×1296, 25/30fps<br>Stream2: D1, VGA, CIF (925/30fps)<br>Stream3: VGA, CIF (925/30fps)<br>Stream3: UO KOS, CIF (925/30fps)<br>Stream3: UO KOS, CIF (925/30fps)<br>Stream3: UO KOS USENEStream3: USENEBit RateStream1: 200 KVBRStream3: USENEStream3: USENEBit RateSupportUSENEUSENEAutoGrifin (R Zone, Rues)USENEAutoGrifin (R Zone, Rues)USENEAutoGrifin (R Zone, Rues)USENEAutoGrifin (R Zone, Rues)USENEStream3: IO Kbps (Srifin (Signe) Intervine)USENEAutoGrifin (R Zone, Rues)USENEBit RateGrifin (R Zone, Rues)USENEAutoGrifin (R Zone, Rues)USENEAutoGrifin (Rues)USENEAutoGrifin (Rues)USENEBit RateGrifin (Ru   | Focal Length                | 3.6 to 11 mm  |                       |                  |                 |
| DORI DistanceLensDetectObserveRecogniseIdentifyWide (3.6 mm)92 m (301.8 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)9.2 m (30.2 ft)Tele (11 mm)DC-Iris250 m (820.2 ft)100 m (328.1 ft)25 m (82.0 ft)IlluminatorIRWarm light100 m (328.1 ft)25 m (82.0 ft)Illuminator TypeIR, warm lightIt as a constrained on the stance up to 50 m (196.8 ft) Warm 198.1 ft)100 m (328.1 ft)Illumination Ol/Off ControlAuto/ManualVideo100 m (328.1 ft)100 m (328.1 ft)VideoStreaming Capability3 StreamsStreaming State and St  | F Number                    | F1.3  |                       |                  |                 |
| LensDetectObserveRecogniseIdentifyWide (3.6 mm)9.2 m (30.18 ft)36.8 m (120.7 ft)18.4 m (60.4 ft)9.2 m (30.2 ft)Tele (11 mm)DC-Iris250 m (820.2 ft)100 m (328.1 ft)25 m (82.0 ft)IlluminatorUser (11 mm)DC-Iris250 m (82.0 ft)100 m (328.1 ft)25 m (82.0 ft)IlluminatorIlluminator TypeIR, warm lightIllumination DistanceIR distance up to 0 (196.8 ft) Warm Ust distance up to m (131.2 ft)Illumination On/Off ControlAuto/ManualVideoVideoStreaming Capability3 StreamsStreaming Capability3 StreamsStreaming Stream: 3840×2160, 2593/250/253/05psStream?: D1, VGA, CIF @25/30fpsStream?: D1, VGA, CIF @25/30fpsStream?: D1, VGA, CIF @25/30fpsStream?: 100 Kbps to 16 Mbps<br>Stream?: 100 Kbps to 6 Mbps<br>Stream?: 100 Kbps to 6 Mbps<br>Stream?: 100 Kbps to 6 Mbps<br>Stream?: 100 Kbps to 3 MbpsStream?: 100 Kbps to 6 Mbps<br>Stream?: 100 Kbps to 7 MbpsStream: 200 Kbps to 6 Mbps<br>Stream?: 100 Kbps to 7 MbpsStream?: 100 Kbps to 6 Mbps<br>Stream?: 100 Kbps to 7 MbpsStream?: 100 Kbps to 6 Mbps<br>Stream?: 100 Kbps (KaRU-PCM)Stream <td>Angle of View</td> <td colspan="4">H: 110.6° to 47.3°, V: H: 57.9° to 26.8°</td>   | Angle of View               | H: 110.6° to 47.3°, V: H: 57.9° to 26.8°                                    |                       |                  |                 |
| Arrier of the series of the | DORI Distance               |   |                       |                  |                 |
| Tele (11 mm)         DC-Iris         250 m (820.2 ft)         100 m (328.1 ft)         25 m (82.0 ft)           Illuminator         IIIuminator         IIIIuminator         IIIIuminator         IIIIuminator         IIIIuminator         IIIIuminator         IIIIuminator         IIIIuminator         IIIIuminator         IIIIIuminator         IIIIIuminator         IIIIuminator         IIIIIuminator         IIIIIuminator         IIIIIIIIIIiIiIiiiiIiIiiiiiiiiiiiiiiii  | Lens                        | Detect  | Observe               | Recognise        | Identify        |
| IlluminatorIlluminator TypeIR, warm lightIllumination DistanceIR distance up to 60 m (196.8 ft) Warm light distance up to 40 m (131.2 ft)Illumination On/Off ControlAuto/ManualVideoStreaming CapabilityStreaming Capability3 StreamsStream/Frame EateStream1: 3840x2160, 2592x1944, 2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720 @25/30fps<br>Stream2: D1, VGA, CIF @25/30fps<br>Stream3: VGA, CIF @25/30fps<br>Stream3: VGA, CIF @25/30fpsBit Rate ControlCBR/VBRBit RateStream1: 200 Kbps to 16 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 Kbps to 3 MbpsSmart EncoderSupportRegion of Interest (ROI)Off/On (8 Zone, Rectangle)AudioCompressionG.711, RAW_PCMBit Rate64Kbps (G.711), 128Kps (RAW_PCM)Smart FunctionSupports face, human, vehicle detection and captureMulti-Objection DetectionSupports face, human, vehicle detection and captureIntelligent AnalysisIntrusion, Single line crossing, Double line crossing, Loitering, Wrong-way<br>Support alarm triggering by specified target types (human and vehicle).  | Wide (3.6 mm)               | 92 m (301.8 ft)   | 36.8 m (120.7 ft)     | 18.4 m (60.4 ft) | 9.2 m (30.2 ft) |
| Illuminator TypeIR, warm lightIllumination DistanceIR distance up to 60 m (196.8 ft) Warm light distance up to 40 m (131.2 ft)Illumination On/Off ControlAuto/ManualVideoStreaming Capability3 StreamsStream/Frame EateStream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296,<br>1920×1080, 1280×720 @25/30fps<br>Stream2: D1, VGA, CIF @25/30fps<br>Stream3: VGA, CIF, QVGA @25/30fpsBit Rate ControlCBR/VBRBit RateCBR/VBRStream1: 200 Kbps to 16 Mbps<br>Stream2: 100 Kbps to 3 MbpsSmart EncoderSupportAudioAudioAudioAudioAudioMuti-Objection DetectionG.711, RAW_PCMBit RateG4Kbps (G.711), 128Kps (RAW_PCM)Straart FunctionSuports face, human, vehicle detection and captureMuti-Objection DetectionSuports face, human, vehicle detection and captureIntelligent AnalysisSuport langering by specified target types (human and vehicle).  | Tele (11 mm)                | DC-Iris   | 250 m (820.2 ft)      | 100 m (328.1 ft) | 25 m (82.0 ft)  |
| InterfactInterfactIllumination DistanceIR distance up to 60 m (196.8 ft) Warm light distance up to 40 m (131.2 ft)Illumination On/Off ControlAuto/ManualVideoStreaming CapabilityStreaming Capability3 StreamsStream/Frame EateStream1: 3840x2160, 2592x1944, 2592x1520, 2560x1440, 2304x1296, 1920x1080, 1280x720 @25/30fps<br>Stream2: D1, VGA, CIF @25/30fps<br>Stream2: D1, VGA, CIF @25/30fps<br>Stream2: D1, VGA, CIF, QVGA @25/30fpsBit Rate ControlCBR/VBRBit RateStream1: 200 Kbps to 16 Mbps<br>Stream2: 100 Kbps to 16 Mbps<br>Stream3: 100 Kbps to 3 MbpsSmart EncoderSupportRegion of Interest (ROI)Off/On (8 Zone, Rectangle)AudioCompressionGn711, RAW_PCMBit RateG4Kbps (G.711), 128Kps (RAW_PCM)Smart FunctionSupports face, human, vehicle detection and captureMulti-Objection DetectionSupports face, human, vehicle detection and captureIntelligent AnalysisIntrusion, Single line crossing, Double line crossing, Loitering, Wrong-way<br>Suport alarm triggering by specified target types (human and vehicle).   | Illuminator                 |   |                       |                  |                 |
| Illumination On/Off Control       Auto/Manual         Video       Streaming Capability         Streaming Capability       3 Streams         Stream/Frame Eate       Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps         Stream/Frame Eate       Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps         Stream/Frame Eate       Stream1: 3040×2100, 225/30fps         Bit Rate Control       CBR/VBR         Bit Rate       Stream2: 100 Kbps to 16 Mbps         Stream2: 100 Kbps to 5 Mbps         Stream3: 100 Kbps to 6 Mbps         Stream3: 100 Kbps to 3 Mbps         Smart Encoder       Support         Region of Interest (ROI)       Off/On (8 Zone, Rectangle)         Audio       Stream1: 120 Kbps (RAW_PCM)         Strat Encoder       G.711, RAW_PCM         Bit Rate       64Kbps (G.711), 128Kps (RAW_PCM)         Smart Function       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Support face, human, vehicle detection and   | Illuminator Type            | IR, warm light  |                       |                  |                 |
| Video         Streaming Capability       3 Streams         Stream/Frame Eate       Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps         Stream/Frame Eate       Stream2: D1, VGA, CIF @25/30fps         Bit Rate Control       CBR/VBR         Bit Rate       Stream3: 100 Kbps to 16 Mbps         Stream3: 100 Kbps to 6 Mbps       Stream3: 100 Kbps to 3 Mbps         Smart Encoder       Support         Region of Interest (ROI)       Off/On (8 Zone, Rectangle)         Audio       G.711, RAW_PCM         Bit Rate       64Kbps (G.711), 128Kps (RAW_PCM)         Smart Function       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Support face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Support face, human, vehicle detection and capture         Multi-Objection Detection   | Illumination Distance       | IR distance up to 60 m (196.8 ft) Warm light distance up to 40 m (131.2 ft) |                       |                  |                 |
| Streaming Capability       3 Streams         Stream/Frame Eate       Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps         Stream2: D1, VGA, CIF @25/30fps       Stream3: VGA, CIF, QVGA @25/30fps         Stream3: VGA, CIF, QVGA @25/30fps       Stream3: VGA, CIF, QVGA @25/30fps         Bit Rate Control       CBR/VBR         Bit Rate       Stream1: 200 Kbps to 16 Mbps         Stream3: 100 Kbps to 6 Mbps       Stream3: 100 Kbps to 6 Mbps         Stream3: 100 Kbps to 3 Mbps       Stream3: 100 Kbps to 3 Mbps         Smart Encoder       Support         Region of Interest (ROI)       Off/On (8 Zone, Rectangle)         Audio       G.711, RAW_PCM         Bit Rate       64Kbps (G.711), 128Kps (RAW_PCM)         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Intelligent Analysis       Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).   | Illumination On/Off Control |   |                       |                  |                 |
| Stream/Frame Eate       Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps         Stream2: D1, VGA, CIF @25/30fps       Stream2: D1, VGA, CIF @25/30fps         Bit Rate Control       CBR/VBR         Bit Rate       Stream1: 200 Kbps to 16 Mbps         Stream3: 100 Kbps to 5 Mbps       Stream3: 100 Kbps to 5 Mbps         Smart Encoder       Support         Region of Interest (ROI)       Off/On (8 Zone, Rectangle)         Audio       G.711, RAW_PCM         Bit Rate       64Kbps (G.711), 128Kps (RAW_PCM)         Smart Function       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Intelligent Analysis       Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).   | Video                       |   |                       |                  |                 |
| 1920×1080, 1280×720 @25/30fpsStream2: D1, VGA, CIF, QVGA @25/30fpsStream3: VGA, CIF, QVGA @25/30fpsBit Rate ControlCBR/VBRBit RateStream1: 200 Kbps to 16 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 Kbps to 3 MbpsSmart EncoderSupportRegion of Interest (ROI)Off/On (8 Zone, Rectangle)AudioCompressionG.711, RAW_PCMBit Rate64Kbps (G.711), 128Kps (RAW_PCM)Smart FunctionSupports face, human, vehicle detection and captureMulti-Objection DetectionSupports face, human, vehicle detection and captureIntelligent AnalysisIntrusion, Single line crossing, Double line crossing, Loitering, Wrong-way<br>Support alarm triggering by specified target types (human and vehicle).   | Streaming Capability        | 3 Streams   |                       |                  |                 |
| Stream3: VGA, CIF, QVGA @25/30fps         Bit Rate Control       CBR/VBR         Bit Rate       Stream1: 200 Kbps to 16 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 Kbps to 3 Mbps         Smart Encoder       Support         Region of Interest (ROI)       Off/On (8 Zone, Rectangle)         Audio          Compression       G.711, RAW_PCM         Bit Rate       64Kbps (G.711), 128Kps (RAW_PCM)         Smart Function       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Intelligent Analysis       Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way support alarm triggering by specified target types (human and vehicle).  | Stream/Frame Eate           |   |                       |                  |                 |
| Bit Rate Control       CBR/VBR         Bit Rate       Stream1: 200 Kbps to 16 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 Kbps to 3 Mbps         Smart Encoder       Support         Region of Interest (ROI)       Off/On (8 Zone, Rectangle)         Audio       Grant Encoder         Sit Rate       6.711, RAW_PCM         Bit Rate       64Kbps (G.711), 128Kps (RAW_PCM)         Smart Function       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Intelligent Analysis       Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way<br>Support alarm triggering by specified target types (human and vehicle).   |                             | Stream2: D1, VGA  | , CIF @25/30fps       |                  |                 |
| Bit Rate       Stream1: 200 Kbps to 16 Mbps         Bit Rate       Stream2: 100 Kbps to 6 Mbps         Stream3: 100 Kbps to 3 Mbps       Stream3: 100 Kbps to 3 Mbps         Smart Encoder       Support         Region of Interest (ROI)       Off/On (8 Zone, Rectangle)         Audio       Gompression         Gart Function       G.711, RAW_PCM         Smart Function       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Intelligent Analysis       Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way support alarm triggering by specified target types (human and vehicle).   |                             | Stream3: VGA, CIF   | F, QVGA @25/30fps     |                  |                 |
| Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 Kbps to 3 Mbps       Smart Encoder     Support       Region of Interest (ROI)     Off/On (8 Zone, Rectangle)       Audio        Compression     G.711, RAW_PCM       Bit Rate     64Kbps (G.711), 128Kps (RAW_PCM)       Smart Function        Multi-Objection Detection     Support face, human, vehicle detection and capture       Intelligent Analysis     Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way support alarut riggering by specified target types (human and vehicle).  | Bit Rate Control            | CBR/VBR   |                       |                  |                 |
| Stream3: 100 Kbps to 3 Mbps       Smart Encoder     Support       Region of Interest (ROI)     Off/On (8 Zone, Rectangle)       Audio     Garant Encoder       Compression     G.711, RAW_PCM       Bit Rate     64Kbps (G.711), 128Kps (RAW_PCM)       Smart Function     Supports face, human, vehicle detection and capture       Multi-Objection Detection     Supports face, human, vehicle detection and capture       Intelligent Analysis     Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way support anart triggering by specified target types (human and vehicle).   | Bit Rate                    |   |                       |                  |                 |
| Smart Encoder     Support       Region of Interest (ROI)     Off/On (8 Zone, Rectangle)       Audio   |                             |   |                       |                  |                 |
| Region of Interest (ROI)     Off/On (8 Zone, Rectangle)       Audio        Compression     G.711, RAW_PCM       Bit Rate     64Kbps (G.711), 128Kps (RAW_PCM)       Smart Function     Supports face, human, vehicle detection and capture       Intelligent Analysis     Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).   | Smart Encoder               |   |                       |                  |                 |
| Audio         Compression       G.711, RAW_PCM         Bit Rate       64Kbps (G.711), 128Kps (RAW_PCM)         Smart Function       Supports face, human, vehicle detection and capture         Multi-Objection Detection       Supports face, human, vehicle detection and capture         Intelligent Analysis       Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).  |                             |   | ectangle)             |                  |                 |
| Compression     G.711, RAW_PCM       Bit Rate     64Kbps (G.711), 128Kps (RAW_PCM)       Smart Function     Supports face, human, vehicle detection and capture       Multi-Objection Detection     Supports face, human, vehicle detection and capture       Intelligent Analysis     Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).  |                             |   |                       |                  |                 |
| Bit Rate     64Kbps (G.711), 128Kps (RAW_PCM)       Smart Function     Multi-Objection Detection       Multi-Objection Detection     Supports face, human, vehicle detection and capture       Intelligent Analysis     Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).   |                             | G.711. RAW PCM  |                       |                  |                 |
| Smart Function           Multi-Objection Detection         Supports face, human, vehicle detection and capture           Intelligent Analysis         Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).   | Bit Rate                    |   |                       |                  |                 |
| Multi-Objection Detection         Supports face, human, vehicle detection and capture           Intelligent Analysis         Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way           Support alarm triggering by specified target types (human and vehicle).         Intrusion, Single line crossing, Loitering, Wrong-way  |                             |   | ,                     |                  |                 |
| Intelligent Analysis Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).  |                             | Supports face, hur  | nan, vehicle detectio | n and capture    |                 |
| Support alarm triggering by specified target types (human and vehicle).   | -                           |   |                       |                  | g, Wrong-way    |
| People Counting Support   |                             | -   | -                     | -                |                 |
|   | People Counting             | Support   |                       |                  |                 |

| Image  |   |  |
|--|---|--|
| Image Adjustment   | Brightness, Sharpness, Contrast, Saturation adjustable  |  |
| Aisle Mode   | Support   |  |
| Mirror   | Support   |  |
| White Balance  | Auto/Manual   |  |
| Day/Night Setting  | Auto, Day, Night, Time  |  |
| Smart IR   | Support   |  |
| Noise Reduction  | 2D/3D DNR   |  |
| Image Enhancement  | HLC, BLC, Defog   |  |
| Wide Dynamic Range   | WDR   |  |
| S/N Ratio  | 55dB  |  |
| Motion Detection   | Support   |  |
| Privacy Masking  | 4 areas   |  |
| Network  |   |  |
| Protocols  | IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP,<br>NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP,<br>TLS/SSL  |  |
| Interoperability   | ONVIF, SDK  |  |
| Streaming Method   | Multicast   |  |
| Max. User Access   | 10 Users  |  |
| Web Viewer   | <ie11, chrome,="" firefox<="" td=""></ie11,>  |  |
| Language   | English, Chinese, Polish, Italian, Portuguese, Spanish, Russian,<br>French, Czech, Hungarian. Default: English  |  |
| Interface  |   |  |
|  |   |  |
| Network Interface  | 1 Ethernet (10/100 Base-T) RJ-45 Connector  |  |
| Network Interface Built-in Microphone  | 1 Ethernet (10/100 Base-T) RJ-45 Connector<br>Support   |  |
|  |   |  |
| Built-in Microphone  | Support   |  |
| Built-in Microphone<br>Built-in Speaker  | Support<br>Support  |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface   | Support<br>Support<br>1ch Input, 1ch Output   |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface<br>Alarm Interface  | Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output  |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface<br>Alarm Interface<br>SD Card Slot  | Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB   |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface<br>Alarm Interface<br>SD Card Slot<br>Reset Button  | Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB   |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface<br>Alarm Interface<br>SD Card Slot<br>Reset Button<br>Electrical  | Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB<br>Support  |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface<br>Alarm Interface<br>SD Card Slot<br>Reset Button<br>Electrical<br>Power Supply  | Support<br>Support<br>Ich Input, 1ch Output<br>Ich Input, 2ch Output<br>Built-in, up to 512GB<br>Support<br>I2VDC/PoE (IEEE 802.3af)  |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface<br>Alarm Interface<br>SD Card Slot<br>Reset Button<br>Electrical<br>Power Supply  | Support<br>Support<br>Ich Input, 1ch Output<br>Ich Input, 2ch Output<br>Built-in, up to 512GB<br>Support<br>I2VDC/PoE (IEEE 802.3af)<br>Basic: Max 4.6W (IR OFF), Max 10W (IR ON)   |  |
| Built-in Microphone Built-in Speaker Audio Interface Alarm Interface SD Card Slot Reset Button Electrical Power Supply Power Consumption   | Support<br>Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB<br>Support<br>12VDC/PoE (IEEE 802.3af)<br>Basic: Max 4.6W (IR OFF), Max 10W (IR ON)<br>Max. (Focus + WDR + Speaker + IR on): 13.5 W<br>-35°C to 60°C (-31°F to 140°F )<br>Less than 90% RH         |  |
| Built-in Microphone Built-in Speaker Audio Interface Alarm Interface SD Card Slot Reset Button Electrical Power Supply Power Consumption Operating Temperature   | Support<br>Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB<br>Support<br>12VDC/PoE (IEEE 802.3af)<br>Basic: Max 4.6W (IR OFF), Max 10W (IR ON)<br>Max. (Focus + WDR + Speaker + IR on): 13.5 W<br>-35°C to 60°C (-31°F to 140°F )                             |  |
| Built-in Microphone Built-in Speaker Built-in Speaker Audio Interface Alarm Interface SD Card Slot Reset Button Electrical Power Supply Power Consumption Operating Temperature Operating Humidity                                   | Support<br>Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB<br>Support<br>12VDC/PoE (IEEE 802.3af)<br>Basic: Max 4.6W (IR OFF), Max 10W (IR ON)<br>Max. (Focus + WDR + Speaker + IR on): 13.5 W<br>-35°C to 60°C (-31°F to 140°F )<br>Less than 90% RH         |  |
| Built-in Microphone<br>Built-in Speaker<br>Audio Interface<br>Alarm Interface<br>SD Card Slot<br>SD Card Slot<br>Reset Button<br>Electrical<br>Power Supply<br>Power Consumption<br>Operating Temperature<br>Operating Humidity      | Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB<br>Support<br>12VDC/PoE (IEEE 802.3af)<br>Basic: Max 4.6W (IR OFF), Max 10W (IR ON)<br>Max. (Focus + WDR + Speaker + IR on): 13.5 W<br>-35°C to 60°C (-31°F to 140°F )<br>Less than 90% RH<br>IP66            |  |
| Built-in Microphone Built-in Speaker Built-in Speaker Audio Interface Alarm Interface SD Card Slot Reset Button Electrical Power Supply Power Consumption Operating Temperature Operating Humidity Ingress Protection Certifications | Support<br>Support<br>Support<br>1ch Input, 1ch Output<br>1ch Input, 2ch Output<br>Built-in, up to 512GB<br>Support<br>12VDC/PoE (IEEE 802.3af)<br>Basic: Max 4.6W (IR OFF), Max 10W (IR ON)<br>Max. (Focus + WDR + Speaker + IR on): 13.5 W<br>-35°C to 60°C (-31°F to 140°F )<br>Less than 90% RH<br>IP66 |  |