

HWI-B121H-C 2 MP Fixed Bullet Network Camera







- High quality imaging with 2 MP resolution
- Water and dust resistant (IP67)
- Easy installation with Power over Ethernet (PoE) technology



- •

Specification

Image Sensor 1/2.9" Progressive Scan CMOS Max. Resolution 1920 × 1080 Min. Illumination Color: 0.01 Lux @ (F2.2, AGC ON), B/W: 0 Lux with IR Shutter Time 1/3 s to 1/100,000 s Day & Night IR Cut filter Angle Adjustment Pan: 0" to 360", tilt: 0" to 90", rotate: 0" to 360" Lens Lens Type Fiked focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 94", vertical FOV 51", diagonal FOV 112" 4 mm, horizontal FOV 94", vertical FOV 51", diagonal FOV 94" Lens Mount M12 Iris Type Fiked Aperture F2.2 DORI 2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 m Illuminator Supplement Light Type IR Supplement Light Type IR Supplement Light Type So DH 2.5 m, 0: 22 m, R: 11 m, I: 5 m Illuminator Supplement Light Type So DH 2: 25 fps (1920 × 1080, 1280 × 720) 60 H: 25 fps (1920 × 1080, 1280 × 720) 50 H: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream H265/H264 Video Compression SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream SO H2: 25 fps	Camera	
Max. Resolution1920 × 1080Min. IlluminationColor: 0.01 Lux @ (F2.2, AGC ON), B/W: 0 Lux with IRShutter Time1/3 s to 1/100,000 sDay & NightIR cut filterAngle AdjustmentPan: 0* to 360°, tilt: 0* to 90°, rotate: 0* to 360°LensPan: 0* to 360°, tilt: 0* to 90°, rotate: 0* to 360°Lens TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2.8 mm, horizontal FOV 94°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Iris TypeFixedApertureF2.2DORI2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mHluminatorSupplement Light TypeSupplement Light RangeUp to 20 mSmart Supplement Light NameYesIR Wavelength850 nmVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main ProfileH.264 TypeBaseline Profile, Main ProfileH.264 TypeBaseline Profile, Main ProfileH.264 TypeBaseline Profile, Main Profile, Main ProfileH.264 TypeBaseline Profile, Main Profile, Main Profile		1/2 9" Progressive Scan CMOS
Min. IlluminationColor: 0.01 Lux @ (F2.2, AGC ON), B/W: 0 Lux with IRShutter Time1/3 s to 1/100,000 sDay & NightIR cut filterAngle AdjustmentPan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°LensFocal LengthEvens TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2.8 mm, horizontal FOV 94°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 94°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Lins TypeFixedApertureF2.2DORI2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mIlluminatorIlluminatorSupplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement LightYesNain Stream60 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Video CompressionMain stream: H.265/H.265/H.264/H.264, Sub-StreamVideo Bit Rate32 Kbps to 8 MbpsH.265 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeBaseline Profile, Main Profile, High ProfileH.265 TypePassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	-	-
Shutter Time1/3 s to 1/100,000 sDay & NightIR cut filterAngle AdjustmentPan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°LensLensLens TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2.8 mm, horizontal FOV 94°, vertical FOV 41°, diagonal FOV 112° 4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Iris TypeFixedApertureF2DORI2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mIlluminator1Supplement Light TypeIRSupplement Light TypeVe sIR Wavelength850 nmVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 640 × 360)Video CompressionMain stream: H.265/H.264/H.264, Sub-Stream: H.265/H.264/H.264, Sub-Stream: H.265/H.264/H.264, Sub-Stream: H.265/H.264/H.264, Main stream: H.265/H.264/H.264, Sub-Stream: H.265/H		
Day & NightIR cut filterAngle AdjustmentPan: 0" to 360", tilt: 0" to 90", rotate: 0" to 360"LensFixed focal lens, 2.8 and 4 mm optionalLens TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2.8 mm, horizontal FOV 94", vertical FOV 51", diagonal FOV 112" 4 mm, horizontal FOV 94", vertical FOV 44", diagonal FOV 94"Lens MountM12Lins TypeFixedApertureFixedApertureFixedDORI2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mIluminator1Supplement Light TypeIRSupplement Light RangeUp to 20 mSon mS0 nmSupplement Light RangeS0 nmVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 		
Angle AdjustmentPan: 0* to 360°, tilt: 0* to 90°, rotate: 0* to 360°LensFixed focal lens, 2.8 and 4 mm optionalLens TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2.8 mm, horizontal FOV 94°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 94°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Lens MountM12Lens MountF2.2DORI2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mIllumitatorSupplement Light TypeIRSupplement Light RageUp to 20 mSupplement Light RageUp to 20 mNamat Supplement Light Name50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360)Sub-StreamS0 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.265/H.265/H.264/H.264, Sub-stream: H.265/H.265/H.264/H.264, Sub-stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/H.264, <b< td=""><td></td><td></td></b<>		
LensFixed focal lens, 2.8 and 4 mm optionalLens TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2.8 mm, horizontal FOV 94°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Lins TypeFixedApertureE2.2DORI2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mIlluminatorIlluminatorSupplement Light TypeIRSupplement Light RangeUp to 20 mWavelength850 nmVideo50 Hi: 25 fps (1920 × 1080, 1280 × 720) 60 Hi: 30 fps (1920 × 1080, 1280 × 720) 60 Hi: 30 fps (1920 × 1080, 1280 × 720) 60 Hi: 30 fps (1920 × 1080, 1280 × 720) 60 Hi: 30 fps (1640 × 480, 640 × 360	Day & Night	
Lens TypeFixed focal lens, 2.8 and 4 mm optionalFocal Length & FOV2.8 mm, horizontal FOV 94°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Lens MountKtedApertureFixedApertureFixedDORI2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mIlluminator2.8 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mSupplement Light TypeIRSupplement Light RangeUp to 20 mSupplement Light RangeUp to 20 mSmart Supplement LightYesIR WavelengthS0 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-StreamS0 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (402 × 1080, 1280 × 720) 60 Hz: 30 fps (402 × 1080, 1280 × 720) 60 Hz: 30 fps (402 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 360)	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Focal Length & FOV2.8 mm, horizontal FOV 94°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Itris TypeFixedApertureF2.2DORIDORI2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mIlluminatorIlluminatorSupplement Light TypeIRSupplement Light TypeIRMan D: 55 m0: 22 m, R: 11 m, I: 5 mMark Supplement Light TypeIRSupplement Light TypeS0 mVideo0142: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 61 Hz: 30 fps (640 × 480, 640 × 360) 61 Hz: 30 fps (640 × 480, 640 × 360) 61 Hz: 30 fps (640 × 640 × 640) 61 Hz: 30 fps (640 × 6	Lens	
Pocal Length & POV4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Lens MountFixedApertureF2.2DORI2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m a mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mIlluminatorSupplement Light TypeSupplement Light TypeIRSupplement Light RangeUp to 20 mSupplement Light RangeS0 nmVideoVideoVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 ×	Lens Type	
Live Control4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°Lens MountM12Lens MountFixedApertureFixedAperture2.8 mm, D: 48 m, 0: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mDORI2.8 mm, D: 55 m, 0: 22 m, R: 11 m, I: 5 mIlluminatorIlluminatorSupplement Light TypeIRSupplement Light RangeUp to 20 mIR Wavelength850 nmVideoVideoVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 640 × 640) 60 Hz: 30 fps	Focal Length & FOV	
Iris TypeFixedApertureF2.2DORI2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mIlluminatorSupplement Light TypeSupplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement LightYesIR Wavelength850 nmVideoVideoSup Light KangeSupplement Light TypeSo Hr: 25 fps (1920 × 1080, 1280 × 720)Sub-StreamSo Hz: 25 fps (1920 × 1080, 1280 × 720)Sub-StreamSup-StreamSub-StreamSub KateVideo CompressionSub-stream: H.265/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain Stream: H.265/H.264Video StrateSub-StreamBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)		4 mm, horizontal FOV 80°, vertical FOV 44°, diagonal FOV 94°
ApertureF2.2DORIF2.2DORI2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mIlluminatorSupplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement LightYesIR Wavelength850 nmVideoWain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Video CompressionSoute Stream: H.265/H.264 H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.265 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeGaseline Profile, Main Profile, High ProfileH.265 TypeGaseline Profile, Main Profile, High ProfileH.265 TypeGaseline Profile, Main Profile, Main ProfileBit Rate ControlC	Lens Mount	M12
DORI2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mDORI2.8 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mIlluminatorSupplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement LightYesIR Wavelength850 nmVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Iris Type	Fixed
DORI2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m 4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mHuminatorSupplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement Light RangeSo nmVideoSo nmVideo01 L: 25 fps (1920 × 1080, 1280 × 720) 60 H:: 30 fps (1920 × 1080, 1280 × 720) 60 H:: 30 fps (1920 × 1080, 1280 × 720) 60 H:: 30 fps (1920 × 1080, 1280 × 720) 60 H:: 30 fps (1920 × 1080, 1280 × 720)Sub-StreamSo H:: 25 fps (640 × 480, 640 × 360) 60 H:: 30 fps (640 × 480, 640 × 360) 60 H:: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265 H.264 H.264 H.264, Sub-stream: H.265 H.264 H.264, Sub-Stream: Sub-Stream: Sub-S	Aperture	F2.2
DORI4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 mHluminatorSupplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement Light850 nmVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Main Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Yideo CompressionMain stream: H.265/H.264/H.264/ Sub-stream: H.265/H.264/H.264/ Sub-stream: H.265/H.264/H.264/Video Bit Rate32 Kbps to 8 MbpsH.265 TypeMain Profile, Main Profile, High ProfileH.265 TypeMain Profile, Main Profile, High ProfileH.265 TypeMain Profile, Main Profile, High ProfileBit Rate ControlCBR, VBRPescurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	DORI	
IlluminatorSupplement Light TypeIRSupplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement LightYesIR Wavelength850 nmVideo50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBaseline Profile, Main Profile, High ProfileBit Rate ControlCBR, VBRSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	DOBI	2.8 mm, D: 48 m, O: 19 m, R: 9 m, I: 4 m
Supplement Light TypeIRSupplement Light RangeUp to 20 mSmart Supplement LightYesIR Wavelength850 nmVideoVideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeCBR, VBRBit Rate ControlCBR, VBRSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)		4 mm, D: 55 m, O: 22 m, R: 11 m, I: 5 m
Supplement Light RangeUp to 20 mSmart Supplement LightYesIR Wavelength850 nmVideoVideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264+/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeCBR, VBRBit Rate ControlCBR, VBRSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Illuminator	
Smart Supplement LightYesIR Wavelength850 nmVideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Supplement Light Type	IR
IR Wavelength850 nmVideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Supplement Light Range	Up to 20 m
VideoMain Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeCBR, VBRBit Rate ControlCBR, VBRNetworkPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Smart Supplement Light	Yes
Main Stream50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.264+/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	IR Wavelength	850 nm
Main Stream60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264+/H.264, Sub-stream: H.265/H.264+/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Video	
60 Hz: 30 fps (1920 × 1080, 1280 × 720)Sub-Stream50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)Wideo CompressionMain stream: H.265/H.264/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720)
Sub-Stream60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265/H.264/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Wall Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)
60 Hz: 30 fps (640 × 480, 640 × 360)Video CompressionMain stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360)
Video CompressionSub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Sub-Sileani	60 Hz: 30 fps (640 × 480, 640 × 360)
Sub-stream: H.265/H.264Video Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Video Compression	Main stream: H.265+/H.265/H.264+/H.264,
H.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRNetworkSecurityPassword protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)		Sub-stream: H.265/H.264
H.265 Type Main Profile Bit Rate Control CBR, VBR Network Password protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Video Bit Rate	32 Kbps to 8 Mbps
Bit Rate Control CBR, VBR Network Password protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Н.264 Туре	Baseline Profile, Main Profile, High Profile
Network Security Password protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Н.265 Туре	Main Profile
Security Password protection, complicated password, watermark, basic and digest authentication for HTTP, security audit log, host authentication (MAC address)	Bit Rate Control	CBR, VBR
Security authentication for HTTP, security audit log, host authentication (MAC address)	Network	
authentication for HTTP, security audit log, host authentication (MAC address)	Security	
Simultaneous Live View Up to 6 channels		
		•
API ISAPI, SDK		
Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, UDP, QoS	Protocols	
User/Host Up to 32 users	User/Host	-
3 user levels: administrator, operator, and user		
Client iVMS-4200	Client	
Web Browser	Web Browser	
Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+		Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+



- •

Image	
Wide Dynamic Range (WDR)	Digital WDR
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client
	software or web browser
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Event	
Basic Event	Motion detection, exception
Linkage	Notify surveillance center
General	
	12 VDC ± 25%, 0.41 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity
Power	protection,
	PoE: IEEE 802.3af, Class 3, max. 6.5 W
Material	Plastic
Dimension	138.8 mm × 60.9 mm × 57.9 mm (5.46" × 2.4" × 2.3")
Package Dimension	163 mm × 75 mm × 75 mm (6.4" × 3.0" × 3.0")
Weight	Approx. 175 g (0.4 lb.)
With Package Weight	Approx. 250 g (1.1 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating	20° C to 60° C (22°E to 140°E). Humidity 0° E or loss (non-condensing)
Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password protection, password reset via email
Approval	
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN
	50130-4: 2011 +A1: 2014
Safety	CB: IEC 62368-1: 2014+A11,
	CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU,
	WEEE: 2012/19/EU,
	Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013



Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

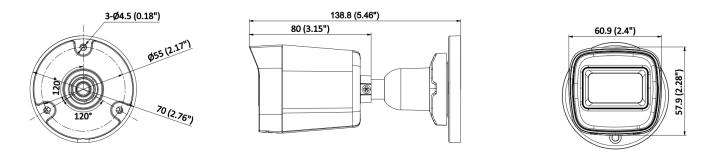
This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

Available Model

HWI-B121H-C (2.8/4 mm)

Dimension



Unit:mm (inch)

Accessory

Optional





O hikvisionhq