

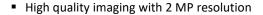
IPC-T229HA-LUF/S(L)(RB)

2 MP ColorVu with Smart Hybrid Light Fixed Turret Network Camera









- 24/7 colorful imaging
- Support Person and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range cover
- Provide real-time security via built-in two-way audio and strobe light alarm
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot)
- Water and dust resistant (IP67)





Specification

| Image Sensor 1/2.8" Progressive Scan CMOS Max. Resolution 1920 x 1880 Max. Resolution 193 s to 1700,000 s Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pan: 0" to 360", tilt: 0" to 75", rotate: 0" to 360" Lens Very Carlot Elens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 106", vertical FOV 56", diagonal FOV 129" Focal Length & FOV 4 mm, horizontal FOV 388", vertical FOV 56", diagonal FOV 129" Lens Mount M12 Ins Type Fixed Aperture F1.0 DORI 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m Aperture F1.0 DORI 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m Supplement Light Type IR, White Light Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Foarr Supplement Light Yes IR Wavelength 850 m Video Wideo Compression 50 Hz: 25 fps (1920 × 1080, 1280 × 720) | Camera | | | | | | |
|---|--------------------------|--|--|--|--|--|--|
| Max. Resolution 1920 × 1080 Min. Illumination Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light Shutter Time 1/3 s to 1/100, 000 s Day & Night IR cut filter Angle Adjustment Pan: 0" to 360", tilt: 0" to 75", rotate: 0" to 360" Lens Lens Lens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV Fixed focal lens, 2.8 and 4 mm optional Lens Mount M12 List Stype Fixed Aperture F1.0 DORI 2.8 mm, 10: 44 m, 0: 17 m, R: 8 m, I: 4 m Aperture £2.8 mm, D: 44 m, 0: 17 m, R: 8 m, I: 4 m Aperture £2.8 mm, D: 44 m, 0: 17 m, R: 8 m, I: 4 m Morrisonal 4 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m Illuminator IR, White Light Supplement Light Range IR, White Light Supplement Light Range IR, White Light Supplement Light Range IR, Waller Light Sub-Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) Gol Hz: 25 fps (1920 × 1080, 1280 × 720) Gol Hz: 30 fps (3920 × 1080, 1280 × 720) Gol Hz: 30 fps (39 | Image Sensor | 1/2.8" Progressive Scan CMOS | | | | | |
| Min. Illumination Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light Shutter Time 1/3 s to 1/100, 000 s Day & Night IR cut filter Angle Adjustment Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360° Lens Lens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 100°, vertical FOV 50°, diagonal FOV 129° 4 mm, horizontal FOV 100°, vertical FOV 47°, diagonal FOV 129° 4 mm, De 100°, and FOV 100° Lens Mount M12 List Type Fixed Aperture F1.0 DORI 2.8 mm, D: 34 m, D: 17 m, R: 8 m, I: 4 m Aperture F1.0 Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Supplement Light Range Up to 30 m Sum Supplement Light Range Up to 30 m Sum Supplement Light Range S0 hm: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (540 × 480, 640 × 360) Gother: 30 fps (1920 × 1080, 1280 × 720) Video Compression | _ | - | | | | | |
| Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pans: 0" to 360", tilts: 0" to 75", rotate: 0" to 360" Lens Tumor of the state o | | | | | | | |
| Day & Night IR cut filter Angle Adjustment Pan: 0" to 360", tilt: 0" to 75", rotate: 0" to 360" Lens Lens Lens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV A mm, horizontal FOV 106", vertical FOV 56", diagonal FOV 103" Lens Mount M12 Its Type Fixed Aperture Fixed | | - · · · · · · · · · · · · · · · · · · · | | | | | |
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| Lens Focal Length & FOV Focal focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 106°, vertical FOV 56°, diagonal FOV 129° 4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 103° Lens Mount M12 Iris Type Fixed Aperture F1.0 CORI 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m 4 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Smart Supplement Light Yes R Wavelength 80 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1930 × 1080, 1280 × 720) 60 Hz: 30 fps (1930 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 50 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 51 Hz, 26 Type Baseline Profile, Migh Profile | | | | | | | |
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| Focal Length & FOV 2.8 mm, horizontal FOV 106°, vertical FOV 56°, diagonal FOV 129° 4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 103° Lens Mount M12 Iris Type Fixed Aperture F1.0 DORI 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m 4 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m Illuminator 850 m Video Main Stream 850 m Video Main Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) Video Compression 30 Hz: 25 fps (640 × 480, 640 × 360) Video Compression Asin stream: H.265+/H.264/H.264, Video Sit Rate 32 kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control | | Fixed focal lens 2.8 and 4 mm ontional | | | | | |
| Focal Length & FOV 4 mm, horizontal FOV 88*, vertical FOV 47*, diagonal FOV 103* Lens Mount M12 Iris Type Fixed Aperture F1.0 DORI 2.8 mm, D: 44 m, 0: 17 m, R: 8 m, I: 4 m 4 mm, D: 53 m, 0: 21 m, R: 10 m, I: 5 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video 50 Hz: 25 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) 60 Hz: 30 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265+H.265+H.264-H.264, Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) Mine Profile Mation | Lens Type | · | | | | | |
| Lens Mount M12 Iris Type Fixed Aperture F1.0 DORI Jamm, D: 44 m, O: 17 m, R: 8 m, I: 4 m and a mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m R Wavelength 850 nm Video Wideo (4) 25 fps (1920 × 1080, 1280 × 720) OHz: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub-Stream: H.265 / H.264 / | Focal Length & FOV | | | | | | |
| Iris Type Fixed Aperture F1.0 DORI 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m 4 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m Smart Supplement Light Range Up to 30 m Video Video Video Video So Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) So Hz: 25 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265/H.264/H.264/H.264, Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Mono sound Audio Type Mono sound | Lana Mayort | | | | | | |
| Aperture F1.0 DORI 2.8 mm, D: 44 m, Q: 17 m, R: 8 m, I: 4 m 4 4 mm, D: 53 m, Q: 21 m, R: 10 m, I: 5 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video Wideo So Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) So 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) 60 Hz: 30 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) 40 Hz: 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Sampling R | | | | | | | |
| DORI 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1920 × 1080, 1280 × 720) Video Compression Main stream: H.265+/H.265/H.264/H.264, Video Compression Main stream: H.265+/H.265/H.264/MJPEG Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 21 Kwa region for main stream Audio Audio Type Audio Type Mono sound Audio Type Mono sound Audio Sampling Rate 8 KHz/16 KHz Environment Noise Filtering 7 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (G.726.1)/32 kbps (G.726.1)/32 kbps (G.726.1)/32 kbps (G.726.1)/32 kbps (G.726.1 | | | | | | | |
| DORI | | F1.0 | | | | | |
| Name | DORI | | | | | | |
| IlluminatorSupplement Light TypeIR, White LightSupplement Light RangeUp to 30 mSmart Supplement LightYesIR Wavelength850 nmVideoWain 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.264/MIPEGVideo Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRRegion of Interest (ROI)1 fixed region for main streamAudioTypeAudio TypeMono soundAudio TypeMono soundAudio CompressionG.711/G.722.1/G.726/MP2L2/PCM/AAC-LCAudio Bit Rate64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)Audio Sampling Rate8 kHz/16 kHzEnvironment Noise Filtering7EP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv4, IPv4, IGMP, UDP, QoS, FTP, SMTP, UPnP | DORI | | | | | | |
| Supplement Light TypeIR, White LightSupplement Light RangeUp to 30 mSmart 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.264/MJPEGVideo Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRRegion of Interest (ROI)1 fixed region for main streamAudioAudioAudio TypeMono soundAudio TypeMono soundAudio Dit Rate64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)Audio Bit Rate8 kHz/16 kHzEnvironment Noise FilteringYesNetworkTCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv4, IPv4, IPv4, IGMP, UDP, QoS, FTP, SMTP, UPnP | | 4 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m | | | | | |
| Supplement Light Range Up to 30 m Smart Supplement Light Yes IR Wavelength 850 nm Video Video Sub-Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/MJPEG Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Mono sound Audio Type Mono sound Audio Sampling Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Illuminator | | | | | | |
| Smart Supplement Light Yes IR Wavelength 850 nm Video Video Main Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (640 × 480, 640 × 360) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265+/H.265/H.264+/H.264, Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Mono sound Audio Type Mono sound Audio Gompression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 4 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Supplement Light Type | IR, White Light | | | | | |
| IR Wavelength 850 nm Video Main Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265/H.264/H.264, Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 stead region for main stream Audio Type Mono sound Audio Type Mono sound Audio Damperssion G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPPP | Supplement Light Range | Up to 30 m | | | | | |
| Video 50 Hz: 25 fps (1920 × 1080, 1280 × 720) Main Stream 50 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265+/H.264+/H.264, Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QOS, FTP, SMTP, UPnP | Smart Supplement Light | Yes | | | | | |
| Main Stream 50 Hz: 25 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265+/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Type Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QOS, FTP, SMTP, UPnP | IR Wavelength | 850 nm | | | | | |
| Main Stream 60 Hz: 30 fps (1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (640 × 480, 640 × 360) Video Compression Main stream: H.265+/H.265/H.264+/H.264, Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Video | | | | | | |
| Sub-Stream 50 Hz: 30 fps (1920 × 1080, 1280 × 720) 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) Wideo Compression Main stream: H.265/H.264/H.264/, Sub-stream: H.265/H.264/MJPEG Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Main Stroam | 50 Hz: 25 fps (1920 × 1080, 1280 × 720) | | | | | |
| Sub-Stream 60 Hz: 30 fps (640 × 480, 640 × 360) Nain stream: H.265/H.265/H.264/H.264, Sub-stream: H.265/H.265/H.264/MJPEG Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) Audio Type Mono sound Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | iviaiii Streaiii | 60 Hz: 30 fps (1920 × 1080, 1280 × 720) | | | | | |
| Video Compression Main stream: H.265/H.264/H.264, Sub-stream: H.265/H.264/MJPEG Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) Audio Audio Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Sub Stroom | 50 Hz: 25 fps (640 × 480, 640 × 360) | | | | | |
| Video CompressionSub-stream: H.265/H.264/MJPEGVideo Bit Rate32 Kbps to 8 MbpsH.264 TypeBaseline Profile, Main ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRRegion of Interest (ROI)1 fixed region for main streamAudioAudio TypeAudio TypeMono soundAudio CompressionG.711/G.722.1/G.726/MP2L2/PCM/AAC-LCAudio Bit Rate64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)Audio Sampling Rate8 kHz/16 kHzEnvironment Noise FilteringYesNetworkTCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Sub-Stream | 60 Hz: 30 fps (640 × 480, 640 × 360) | | | | | |
| Video Bit Rate 32 Kbps to 8 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Video Communica | Main stream: H.265+/H.265/H.264+/H.264, | | | | | |
| H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | video Compression | Sub-stream: H.265/H.264/MJPEG | | | | | |
| H.265 Type Main Profile Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream Audio Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Video Bit Rate | 32 Kbps to 8 Mbps | | | | | |
| Bit Rate Control Region of Interest (ROI) Audio Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Н.264 Туре | Baseline Profile, Main Profile, High Profile | | | | | |
| Region of Interest (ROI) Audio Audio Type Audio Type Audio Compression Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Н.265 Туре | Main Profile | | | | | |
| Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network Protocols 7CP/IP, ICMP, DHCP, DNS, HTTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Bit Rate Control | CBR, VBR | | | | | |
| Audio Type Mono sound Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network Protocols 7CP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Region of Interest (ROI) | 1 fixed region for main stream | | | | | |
| Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Audio | | | | | | |
| Audio Bit Rate 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Audio Type | Mono sound | | | | | |
| Audio Bit Rate Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC | | | | | |
| Audio Bit Rate Kbps (AAC-LC) Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | | | | | | | |
| Audio Sampling Rate 8 kHz/16 kHz Environment Noise Filtering Yes Network Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | | | | | | | |
| Environment Noise Filtering Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | Audio Sampling Rate | | | | | | |
| Network TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | · - | · | | | | | |
| Protocols TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP, UPnP | _ | | | | | | |
| Protocols FTP, SMTP, UPnP | | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, OoS, | | | | | |
| | Protocols | | | | | | |
| | Simultaneous Live View | Up to 6 channels | | | | | |



| API | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK | | | |
|--------------------------|--|--|--|--|
| / | Up to 32 users | | | |
| User/Host | 3 user levels: administrator, operator, and user | | | |
| | Password protection, complicated password, watermark, basic and digest | | | |
| Security | authentication for HTTP, WSSE and digest authentication for Open Network Video | | | |
| | Interface, security audit log, host authentication (MAC address) | | | |
| Client | iVMS-4200, HiLookVision | | | |
| | Plug-in required live view: IE 10, IE 11, | | | |
| Web Browser | Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ | | | |
| Image | | | | |
| | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, | | | |
| Image Settings | adjustable by client software or web browser | | | |
| Day/Night Switch | Day, Night, Auto, Schedule | | | |
| Wide Dynamic Range (WDR) | Digital WDR | | | |
| SNR | ≥ 52 dB | | | |
| Image Enhancement | BLC, HLC, 3D DNR | | | |
| Privacy Mask | 4 programmable polygon privacy masks | | | |
| Interface | 4 programmable polygon privacy masks | | | |
| | 1 DIAE 10 M/100 M salf adaptive Ethernet part | | | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port | | | |
| On-Board Storage | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB | | | |
| Built-in Microphone | Yes, 1 built-in microphone | | | |
| Built-in Speaker | 1 built-in speaker, | | | |
| <u> </u> | Max. power consumption: 2 W, max. sound pressure level: 10 cm: 101 dB. | | | |
| Reset Key | Yes | | | |
| Event | | | | |
| Basic Event | Motion detection (support alarm triggering by specified target types (person and | | | |
| | vehicle)), video tampering alarm, exception | | | |
| Linkage | Upload to memory card, upload to FTP, trigger recording, notify surveillance center, | | | |
| Linkage | send email, trigger capture | | | |
| General | | | | |
| | 12 VDC ± 25%, 0.50 A, max. 6.0 W, Ø5.5 mm coaxial power plug, reverse polarity | | | |
| Power | protection, | | | |
| | PoE: IEEE 802.3af, Class 3, max. 7.2 W | | | |
| Material | Metal & Plastic | | | |
| Dimension | Ø110 mm × 102.7 mm (Ø4.33" × 4.04") | | | |
| Package Dimension | 150 mm × 150 mm × 141 mm (5.91" × 5.91" × 5.55") | | | |
| Weight | Approx. 400 g (0.9 lb.) | | | |
| With Package Weight | Approx. 646 g (1.4 lb.) | | | |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) | | | |
| Startup and Operating | <u> </u> | | | |
| Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) | | | |
| Language | English, Ukrainian | | | |
| | Heartbeat, mirror, flash log, password reset via email, password protection, | | | |
| General Function | anti-banding | | | |
| Flashing Light | /SRB model: Red and Blue Light | | | |
| | /SL model: White Light | | | |
| | 752 model. Write Light | | | |



| Approval | |
|-------------|--|
| EMC | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC |
| | 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021 |
| Safety | CB: IEC 62368-1: 2014+A11, |
| | CE-LVD: EN 62368-1: 2014/A11: 2017, |
| | BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005 |
| | CE-RoHS: 2011/65/EU, |
| Environment | 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.

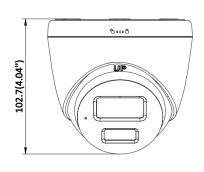
| Level | Description | | |
|------------------------------|--|--|--|
| | Hikvision products at this level are equipped for use in areas where professional | | |
| Top-level protection | anti-corrosion protection is a must. Typical application scenarios include coastlines, | | |
| | docks, chemical plants, 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 consisting and the street | Hikvision products at this level are equipped for use in areas where no specific | | |
| No specific protection | anti-corrosion protection is needed. | | |

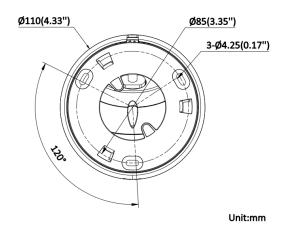
Available Model

IPC-T229HA-LUF/SL(2.8mm)
IPC-T229HA-LUF/SL(4mm)
IPC-T229HA-LUF/SRB(2.8mm)
IPC-T229HA-LUF/SRB(4mm)



Dimension





Accessory

Optional

| DS-1272ZJ-110-TRS Wall mount | DS-1275ZJ-SUS Vertical pole mount | DS-1276ZJ-SUS Corner mount | DS-1280ZJ-S Junction box | DS-1281ZJ-S Inclined ceiling mount |
|---------------------------------|--|-------------------------------|-----------------------------|---------------------------------------|
| | # h h | | | |
| | | | | |
| DS-1280ZJ-TR13 Junction box | DS-1271ZJ-110-TRS DS-1271ZJ-110-TRS | | | |
| | Ī | | | |







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