

8 MP AI COLOR 247 CAMERA CMIP9CD82WI-28AISP





LTS products provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images in dark environments. Advanced sensor technology can vastly improve the utilization of available light.

Main features

- NEW AI Image Signal Processor for excellent noise reduction effect
- 24/7 colorful imaging
- Scene-adaptive AI WDR
- Al-based Analytics for Person and Vehicle classification
- NEMA4X anti-corrosion design, providing reliability and longevity compared to standard
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- Water and dust resistant (IP67)



Specification

Camera Image Sensor 1/1.8" Progressive Scan CMOS Max. Resolution 3840 × 2160 Min. Illumination Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light Shutter Time 1 sto 1/100,000 s Day & Night If cut filter Angle Adjustment Pan: 0" to 360", tilt: 0" to 90", rotate: 0" to 360" Lens Lens Lens Type 2.8 mm Fixed focal lens Focal Length & FOV 2.8 mm Fixed focal lens Focal Length & FOV 2.8 mm, horizontal FOV 108.8", vertical FOV 56.4", diagonal FOV 134.3" Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type White Light, IR Supplement Light Range Very Length 850 nm Video Yes IR Wavelength 850 nm Video Yes Main Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1380 × 720, 640 × 480, 640 × 360)	Specification			
Max. Resolution 3840 × 2160 Min. Illumination Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light Shutter Time 1 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 Very Earth of Call Lens Lens Type 2.8 mm lixed focal lens Focal Length & FOV 2.8 mm, horizontal FOV 108.8", vertical FOV 56.4", diagonal FOV 134.3" Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Illuminator Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes Ik Wavelength 850 mm Video 50 Hz: 35 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 30 fps (1290 × 1080, 1280 × 720, 640 ×	Camera			
Min. Illumination Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light Shuter Time 1 s to 1/100,000 s Day & Night R cut filter Pan: 0" to 360", tilt: 0" to 90", rotate: 0" to 360" Lens Lens Type 2.8 mm Fixed focal lens Focal Length & FOV 2.8 mm, horizontal FOV 108.8", vertical FOV 56.4", diagonal FOV 134.3" Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI DORI DORI DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type White Light, IR Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength SO H2: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 H2: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream So H2: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 H2: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 H2: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) **Third Stream** Is 255/H.264/MJPEG, Third stream: H, 265/H.264/MJPEG, Third s	Image Sensor	1/1.8" Progressive Scan CMOS		
Shutter Time 1 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 Version of the part o	Max. Resolution	3840 × 2160		
Day & Night IR cut filter Angle Adjustment Pan: 0* to 360*, tilt: 0* to 90*, rotate: 0* to 360* Lens Lens Lens Type 2.8 mm Fixed focal lens Focal Length & FOV 2.8 mm, horizontal FOV 108.8*, vertical FOV 56.4*, diagonal FOV 134.3* Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI BORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength Yes Sub Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 20 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 7 Third Stream is supported under certain settings. </td <td>Min. Illumination</td> <td colspan="3">Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light</td>	Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light		
Angle Adjustment Lens Versilit: 0" to 90", rotate: 0" to 360" Lens Type 2.8 mm Fixed focal lens Cocal Length & FOV 2.8 mm, horizontal FOV 108.8", vertical FOV 56.4", diagonal FOV 134.3" Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI DORI DORI BORN Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Samet Supplement Light Range White Light, IR Supplement Light Range Up to 60 m Noman Supplement Light Range Vorsilit R Wavelength Video Main Stream 50 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 4 Third Stream Main Stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/H.264+/H.265+, Third stream: H.265/H.264/H.264+/H.265+, Third stre	Shutter Time	1 s to 1/100,000 s		
Lens Type 2.8 mm Fixed focal lens Focal Length & FOV 2.8 mm, horizontal FOV 108.8", vertical FOV 56.4", diagonal FOV 134.3" Lens Mount M16 List Sype Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI Jona (2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Range Up to 60 m Rwavelength 850 nm Video Video Main Stream 50 Hz: 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Figs (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Find stream: H.265/H.264/H.264/H.265+, Video Compression Ma	Day & Night	IR cut filter		
Lens Type 2.8 mm Fixed focal lens Focal Length & FOV 2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI DORI Up to 80 m White Light, IR Supplement Light Type Up to 60 m Smart Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video Up to 60 m Smart Supplement Light Range White Light, IR Up to 60 m Smart Supplement Light Range Up to 60 m Span="2">Span="2" Span="2"	Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°		
Focal Length & FOV Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field Depth of Field 2.8 mm: 3.3 m to ∞ DORI DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type White Light, IR Supplement Light Range White Light, IR Supplement Light Range Son m Video Video Son M Son M Video Sol Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream Sol Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Sol Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) White Stream: H.265/H.264/H.265+, Sub-stream: H.265/H.264/M.JPEG, Third stream is supported under certain settings. Video Compression Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Main Profile Bit Rate Control CER, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream Langton Interest (ROI) 1 fixed region for main stream	Lens			
Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI DORI Illuminator Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video Supsilon Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1280 × 720, 640 × 480, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream is supported under certain settings. Video Compression Main stream: H.265/H.264/M.JPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile <td>Lens Type</td> <td>2.8 mm Fixed focal lens</td>	Lens Type	2.8 mm Fixed focal lens		
Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DOR! DOR! UP to Epith of Field DOR! UP to Epith, IR Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream Main stream: H.265/H.264/MJPEG, Third stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Main Profile H.264	Focal Length & FOV	2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3°		
Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video Wideo Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 7 hird stream is supported under certain settings. Video Compression 3ub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile	Lens Mount	M16		
Depth of Field 2.8 mm: 3.3 m to ∞ DORI DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video Video Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream is supported under certain settings. Video Compression Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/M.JPEG, Third stream is supported under certain settings. Video Bit Rate 32 kbps to 16 Mbps H.265 Type Main Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR <tr< td=""><td>Iris Type</td><td>Fixed</td></tr<>	Iris Type	Fixed		
DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video Video Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream is supported under certain settings. Video Compression Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MIPEG, Third stream is supported under certain settings. Video Bit Rate 32 kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Aperture	F1.0		
DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m Illuminator	Depth of Field	2.8 mm: 3.3 m to ∞		
Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Wavelength Yes IR Wavelength 850 nm Video Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Fhird Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Main stream: H2.65/H2.64/H2.65+, Sub-stream: H2.65/H2.64/H2.64+H2.65+, Sub-stream: H2.65/H2.64/H2.64+H2.65+, Sub-stream: H2.65/H2.64/H2.64+H2.65+, Sub-stream: H2.65/H2.64/H2.64+H2.64+H2.65+, Sub-stream: H2.65/H2.64/H2.64+H2.64+H2.65+, Sub-stream: H2.65/H2.64/H2.64+H2.64+H2.65+, Sub-stream: H2.65/H2.64/H2.64+H2	DORI			
Supplement Light Type White Light, IR Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 70 Hz (10 fps (1920 × 1080, 1280 × 72	DORI	2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m		
Supplement Light Range Up to 60 m Smart Supplement Light Yes IR Wavelength 850 nm Video 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Wideo Compression Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Illuminator			
Smart Supplement Light Yes IR Wavelength 850 nm Video Main Stream 50 Hz:	Supplement Light Type	White Light, IR		
IR Wavelength 850 nm Video 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 7 hird Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 80 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 90 Hz: 10 fps (1920 × 1080, 1280 × 720, 64	Supplement Light Range	Up to 60 m		
Video Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: B.265/H.264, *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Smart Supplement Light	Yes		
Main Stream	IR Wavelength	850 nm		
Main Stream	Video			
Main Stream 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Video Compression Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream		50 Hz:		
Sub-Stream So Hz:		25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)		
Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Wideo Compression Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Main Stream	60 Hz:		
Sub-Stream 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) Region of Interest (ROI) 1 fixed region for main stream		30 fps (3840 × 2160 , 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)		
Sub-Stream 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) Region of Interest (ROI) 1 fixed region for main stream		50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)		
Third Stream 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Sub-Stream			
Third Stream 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream				
*Third stream is supported under certain settings. Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile, High Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Third Stream			
Video CompressionSub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264, *Third stream is supported under certain settings.Video Bit Rate32 Kbps to 16 MbpsH.264 TypeBaseline Profile, Main Profile, High ProfileH.265 TypeMain ProfileBit Rate ControlCBR, VBRScalable Video Coding (SVC)H.264 and H.265 encodingRegion of Interest (ROI)1 fixed region for main stream				
Third stream: H.265/H.264,		Main stream: H.265/H.264/H.264+/H.265+,		
Third stream: H.265/H.264, *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream		Sub-stream: H.265/H.264/MJPEG,		
Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Video Compression	Third stream: H.265/H.264,		
H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream		*Third stream is supported under certain settings.		
H.265 Type Main Profile Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Video Bit Rate	32 Kbps to 16 Mbps		
Bit Rate Control CBR, VBR Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	H.264 Type	Baseline Profile, Main Profile, High Profile		
Scalable Video Coding (SVC) H.264 and H.265 encoding Region of Interest (ROI) 1 fixed region for main stream	Н.265 Туре	Main Profile		
Region of Interest (ROI) 1 fixed region for main stream	Bit Rate Control	CBR, VBR		
	Scalable Video Coding (SVC)	H.264 and H.265 encoding		
Network	Region of Interest (ROI)	1 fixed region for main stream		
	Network			



	video Solutions for Security Prof		
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP,		
FIOLOCOIS	WebSocket, WebSockets, SRTP, SFTP		
Simultaneous Live View	Up to 6 connections at the same time		
API	ONVIF (Profile S, Profile T, Profile G), ISAPI, SDK, ISUP		
AI I	Up to 32 users		
User/Host	3 user levels: administrator, operator, and user		
	Password protection, complicated password, HTTPS encryption, 802.1X authentication		
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest		
Security	authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network		
	Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS		
	1.1/1.2/1.3, host authentication (MAC address)		
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)		
Client	NVMSV3,LTS CONNECT, X-VMS		
W D	Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+,		
Web Browser	Local service: Chrome 80+, Firefox 80+, Edge 89+		
Image			
Image Parameters Switch	Yes		
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,		
	adjustable by client software or web browser		
Day/Night Switch	Day, Night, Auto, Schedule		
Image Enhancement	BLC, HLC, 3D DNR, Distortion Correction, Defog		
SNR	≥ 52 dB		
Wide Dynamic Range (WDR)	130 dB		
Image Stabilization	EIS		
Privacy Mask	4 programmable polygon privacy masks		
Interface			
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		
Reset Key	Yes		
Event			
Basic Event	Motion detection (support alarm triggering by specified target types (human and		
Dusic Event	vehicle)), video tampering alarm, exception		
Smart Event	Scene change detection		
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger		
	capture, send email		
Deep Learning Function			
Face Capture	Yes		
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting		
	Support alarm triggering by specified target types (human and vehicle)		
General			
	12 VDC ± 25%, 0.83 A, max. 10 W, Ø5.5 mm coaxial power plug, reverse polarity		
Power	protection,		
	PoE: IEEE 802.3af, Class 3, max. 12.5 W		
Material Dimension	Front cover: Metal, body: Metal, bracket: Metal 286.7 mm × 93.3 mm × 91.2 mm (11.3" × 3.7" × 3.6")		



Package Dimension	386 mm × 156 mm × 155 mm (15.2" × 6.1" × 6.1")	
Weight	Approx. 1200 g (2.7 lb.)	
With Package Weight	Approx. 1745 g (3.9 lb.)	
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	
Startup and Operating	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	
Conditions		
General Function	Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding	
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,	
	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,	
	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,	
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian	
Approval		
	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,	
EMC	RCM: AS/NZS CISPR 32: 2015,	
	IC: ICES-003: Issue 7,	
	KC: KN32: 2015, KN35: 2015	
Safety	UL: UL 62368-1,	
	CB: IEC 62368-1: 2014+A11,	
	CE-LVD: EN 62368-1: 2014/A11: 2017	
Environment	CE-RoHS: 2011/65/EU	
Protection	IP67: IEC 60529-2013	
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)	

Anti-Corrosion Rating

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

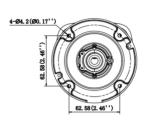
This model has MODERATE PROTECTION.

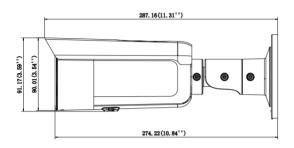
Level	Description	
	LTS products at this level are equipped for use in areas where professional anti-corrosion	
Top-level protection	protection is a must. Typical application scenarios include coastlines, docks, chemical	
	plants, and more.	
	LTS products at this level are equipped for use in areas with moderate anti-corrosion	
Moderate protection	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	LTS products at this level are equipped for use in areas where no specific anti-corrosion	
	protection is needed.	

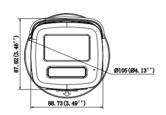


Dimension

SPEC







Unit: mm(inch)

Accessory

LTB378 Vertical pole mount	LTB379 Corner mount	LTB801 Junction box
		B