

# ClearSight PRO



- High quality imaging with 4 MP resolution
- Clear imaging against strong back light due to 150 dB AWDR technology
- Efficient H.265+ compression technology to save bandwidth and storage
- 5 streams to meet a wide variety of applications
- Water and dust resistant (IP67), vandal proof(1K10) and corrosion resistant (NEMA 4X, optional)
- Capture vehicles and humans of different speed clearly via ShotNtechnology
- High frame rate, up to 2MP@120fps and 4MP@60fps
- Built-in heater to ensure clear image under rainy weather
- Built-in Gyro sensor for GIS and vibration detection
- Built-in power meter for historical power statistics

## • Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2688 × 1520
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON), B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter, Blue glass module (less ghost phenomenon)
Lens	
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 106° to 41.8°, vertical FOV 55.4° to 23.6°, diagonal FOV 130° to 48.1°
Focus	Auto, Semi-auto, Manual
Iris Type	P-iris
Aperture	2.8 to 12 mm: F1.38 to F2.53, 8 to 32 mm: F1.7 to F1.73, 6 to 132 mm: F1.6 to F4.1
General	
Power	-5G: three-core terminal block, 12 VDC ± 20%, 1.88 A, max. 22.56 W, 24 VAC ± 20%, 1.57 A, max. 21.5 W, 6-132mm: two-core terminal block, 12 VDC ± 20%, 1.88 A, max. 22.56 W, PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.53 A to 0.4 A, max. 22.6 W without -5G & without 6-132mm: three-core terminal block, 12 VDC ± 20%, 1.88 A, max. 22.56 W, 24 VAC ± 20%, 1.57 A, max. 21.5 W, PoE: IEEE 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.53 A to 0.4 A, max. 22.6 W
Material	Aluminum alloy body
Dimension	With -Y: Ø140 mm × 377.4 mm (Ø5.5" × 14.9"), Without -Y: Ø144.1 mm × 374.7 mm (Ø5.7" × 14.8")
Weight	Approx. 2170 g (4.78 lb.)
Storage Conditions	-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40 °C to 65 °C (-40 °F to 149 °F). Humidity 95% or less (non-condensing)
DORI	
DORI	Wide: 2.8 to 12 mm: D (Detect): 60 m, O (Observe): 23.8 m, R (Recognize): 12 m, I (Identify): 6 m Tele: 2.8 to 12 mm: D (Detect): 151.7 m, O (Observe): 60.2 m, R (Recognize): 30.3 m, I (Identify): 15.2 m
AI Open Platform	
Model Specification	Up to 4 models, Model type: detection model, classification model, mixed model (detection model and classification model)

Video	
Main Stream	<p>Monitoring mode:            50 Hz: up to 50 fps (2688 × 1520, 1280 × 720), up to 100 fps (1920 × 1080)            60 Hz: up to 60 fps (2688 × 1520, 1280 × 720), up to 120 fps (1920 × 1080)            *High frame rate is supported under monitoring mode only.</p> <p>smart mode:            50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)            60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)</p>
Sub-Stream	<p>50 Hz: 25 fps (1280 × 720, 704 × 576, 640 × 480)            60 Hz: 30 fps (1280 × 720, 704 × 480, 640 × 480)</p>
Third Stream	<p>50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)            60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)</p>
Fourth Stream	<p>50 Hz: 25 fps (704 × 576, 640 × 480)            60 Hz: 30 fps (704 × 480, 640 × 480)</p>
Fifth Stream	<p>50 Hz: 25 fps (704 × 576, 640 × 480)            60 Hz: 30 fps (704 × 480, 640 × 480)</p>
Video Compression	<p>Main stream: H.265+/H.265/H.264+/H.264,            Sub-stream: H.265/H.264/MJPEG,            Third stream: H.265/H.264,            Fourth stream: H.265/H.264/MJPEG,            Fifth stream: H.265/H.264/MJPEG</p>
Video Bit Rate	32 Kbps to 8 Mbps
Approval	
EMC	<p>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,            RCM: AS/NZS CISPR 32: 2015,            IC: ICES-003: Issue 7,            KC: KN32: 2015, KN35: 2015</p>
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002

