

DS-2CD3186G3-LISU(Y)

8 MP Smart Hybrid Light Fixed Dome Network Camera

















Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

Hikvision Darkfighter 2.0 technology 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. Advanced sensor technology can vastly improve the utilization of available light.

- HIK AI-ISP for excellent noise reduction effect
- 24/7 colorful imaging via Darkfighter 2.0 technology
- Focus on Person and Vehicle classification based on deep learning
- Scene-adaptive WDR
- Built-in arrayed dual-microphone for real-time high quality audio security
- Y: Anti-corrosion design, providing reliability and longevity compared to standard (NEMA4X)
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- Water and dust resistant (IP67) and vandal-resistant (IK10)



Specification

| Image Sensor 1/18* Progressive Scan CMOS 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 355°, tilt: 0* to 75°, rotate: 0* to 355° Lens Lens Lens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV 4 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 114.2° Lens Mount M15 List Type Fixed Aperture F1.0 Popth of Field 2.8 mm: 3.8 m to ∞ Aperture F1.0 Popth of Field 2.8 mm: 3.8 m to ∞ Aperture F1.0 Popth of Field 2.8 mm: 3.8 m to ∞ Hort Type IR, White Light Suplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Rand: 450 MB, Memory: 40 MB, Open Resources Memory: 40 MB, Copped Large Light Memory: 40 MB, Open Capability< | Camera | | | | | | |
|---|-------------------------|---|--|--|--|--|--|
| 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 355*, tilt: 0" to 75°, rotate: 0" to 355° Lens Lens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 108.8", vertical FOV 56.4", diagonal FOV 114.2" Lens Mount M16 Isseed List Type Fixed Aperture F1.0 Oepth of Field 2.8 mm: 3.3 m to ∞ Dopth of Field 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 mm MEOP Memory: 40 MB, Open Resources Smart RAM: 450 MB, 60 Mc: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 Opendev5DK Deep Learning Structure Cr, C++ | Image Sensor | 1/1.8" Progressive Scan CMOS | | | | | |
| Shutter Time 1 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pans 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° Eens Type Eens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2° Lens Mount M16 Itis Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ 4 mm: 3.8 m to ∞ 4 mm: 3.8 m to ∞ DORI 2.8 mm: D 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illumitator Supplement Light Type IR, White Light Supplement Light Type Yes IR Wavelength 950 mm HEOP Memory: 40 MB, Open Resources Smart RAM: 450 MB, 6 MmC: 2 GB Computing Power 1.5 TOP5 Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure < | Max. Resolution | 3840 × 2160 | | | | | |
| Day & Night IR cut filter Angle Adjustment Pan: 0" to 355", till: 0" to 75", rotate: 0" to 355" Lens Focal Length & FOV Eventure Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV A mm, horizontal FOV 108.8", vertical FOV 56.4", diagonal FOV 114.2" Lens Mount M16 His Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ Aperture F1.0 DORI 2.8 mm: 0.89 m, 0: 35 m, R: 17 m, I: 8 m 4 mm: 0: 109 m, 0: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm HEOP Open Resources Smart RAM: 450 MB, edMc: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 Opendev5DK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video 25 fys (3840 × 2160, 3200 × | Min. Illumination | Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light | | | | | |
| Angle Adjustment Pan: 0" to 355", tilt: 0" to 75", rotate: 0" to 355" Lens Lens Type Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 108.8", vertical FOV 47.2", diagonal FOV 114.2" 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 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Supplement Light Range Up to 40 m Memory: 40 MB, Memory: 40 MB, Open Resources Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PYorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video Main Stream 50 Hz: 25 fps (1380 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 64 | Shutter Time | 1 s to 1/100,000 s | | | | | |
| Lens Fixed focal lens, 2.8 and 4 mm optional Focal Length & FOV 2.8 mm, horizontal FOV 108.8°, vertical FOV 47.2°, diagonal FOV 134.3° 4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2° Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ 4 mm: 3.8 m to ∞ Aperture 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type Supplement Light Range Up to 40 m Supplement Light Range Up to 40 m R Wavelength 850 nm HECP Smart Supplement Light Wes Smart Supplement Light Yes IR Wavelength 850 nm HECP Memory: 40 MB, eMMc; 2 GB Open Resources Smart RAM: 450 MB, eMMc; 2 GB Computing Power 1.5 TOPS Open Capability C++ Programming Language C, C++ Video 25 fps (1280 x 720, 640 x 840, 540 x 360) Main Stream 30 fps; (3840 x 2160, 3200 x 1800, 2688 x 1520, 1920 x 1800, 1280 x 720) | Day & Night | IR cut filter | | | | | |
| Fixed focal lens, 2.8 and 4 mm optional | Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° | | | | | |
| Focal Length & FOV 2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° 4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2° Lens Mount M16 M16 M17 | Lens | | | | | | |
| Focal Length & FOV 4 mm, horizontal FOV 93.3*, vertical FOV 47.2*, diagonal FOV 114.2* Lens Mount M16 Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ 4 mm: 3.8 m to ∞ DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm HEOP Open Resources Memory: 40 MB, 50 mm Open Resources Memory: 40 MB, 60 MB. Open Capability HEOP 2.0 OpendevSDK Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C. C++ Video Main Stream 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) 60 Hz: 20 fps (1280 × 720, 640 × 480, 640 × | Lens Type | Fixed focal lens, 2.8 and 4 mm optional | | | | | |
| # mm, horizontal FOV 93.3*, vertical FOV 47.2*, diagonal FOV 114.2* # mm, horizontal FOV 93.3*, vertical FOV 47.2*, diagonal FOV 114.2* # mm: 5 Fixed # Aperture | Focal Longth 9 FOV | 2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3° | | | | | |
| Iris Type Fixed Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ 4 mm: 3.8 m to ∞ DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm HECP Open Resources Memory: 40 MB, eMMc: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C + Video 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Main Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Fo Hz: 20 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) *Th | rocal Length & FOV | 4 mm, horizontal FOV 93.3°, vertical FOV 47.2°, diagonal FOV 114.2° | | | | | |
| Aperture F1.0 Depth of Field 2.8 mm: 3.3 m to ∞ 4 mm: 3.8 m to ∞ A mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm HEOP Open Resources Memory: 40 MB, MB, eMm: Part RAM: 450 MB, eMm: P | Lens Mount | M16 | | | | | |
| Depth of Field 2.8 mm: 3.8 m to ∞ DORI DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 80 m HEOP Open Resources Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video Wilson Main Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (13840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Sub-Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)< | Iris Type | Fixed | | | | | |
| Dorni DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator IR White Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Range Up to 40 m Smart Supplement Light Range Up to 40 m Memory: 40 MB, Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video Video So Hz: Sub-Stream 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Application of the programming Language 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Sub-Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Sub-Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × | Aperture | F1.0 | | | | | |
| DORI 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m Illuminator Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR, Wavelength 850 nm HEOP Wemory: 40 MB, Open Resources Memory: 40 MB, Ompen Capability Memory: 40 MB, Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C++ Video Wains Stream 50 Hz: 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Main Stream 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) Applied to the proper colspan="2">Applied to the proper colspan="2 | Danah af Fiald | 2.8 mm: 3.3 m to ∞ | | | | | |
| DORI 2.8 mm; D: 89 m, O: 35 m, R: 17 m, I: 8 m 4 mm; D: 109 m, O: 43 m, R: 21 m, I: 10 m | Depth of Field | 4 mm: 3.8 m to ∞ | | | | | |
| Name | DORI | | | | | | |
| Memir D: 109 m, O: 43 m, R: 21 m, I: 10 m Supplement Light Type | | 2.8 mm: D: 89 m, O: 35 m, R: 17 m, I: 8 m | | | | | |
| Supplement Light Type IR, White Light Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm HEOP Memory: 40 MB, Open Resources Memory: 40 MB, Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video 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: 10 fps (1280 × 720, 640 × 480, 640 × 360) 7hird Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | DORI | 4 mm: D: 109 m, O: 43 m, R: 21 m, I: 10 m | | | | | |
| Supplement Light Range Up to 40 m Smart Supplement Light Yes IR Wavelength 850 nm HEOP Memory: 40 MB, Open Resources Memory: 40 MB, Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ 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: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Illuminator | | | | | | |
| Smart Supplement Light Yes IR Wavelength 850 nm HEOP Memory: 40 MB, Smart RAM: 450 MB, 6MMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video Nain 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) 7 hird Stream is supported under certain settings. Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Supplement Light Type | IR, White Light | | | | | |
| IR Wavelength 850 nm HEOP Open Resources Memory: 40 MB, Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ 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 (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 7third stream is supported under certain settings. Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Supplement Light Range | Up to 40 m | | | | | |
| HEOP Open Resources Memory: 40 MB, Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language 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) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 7third stream is supported under certain settings. Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz | Smart Supplement Light | · | | | | | |
| Open Resources Memory: 40 MB, Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX 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 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | IR Wavelength | 850 nm | | | | | |
| Open Resources Smart RAM: 450 MB, eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX 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 (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | НЕОР | | | | | | |
| eMMC: 2 GB Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language 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 (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream | | Memory: 40 MB, | | | | | |
| Computing Power 1.5 TOPS Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video So 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 (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) | Open Resources | Smart RAM: 450 MB, | | | | | |
| Open Capability HEOP 2.0 OpendevSDK Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ 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 (1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | | eMMC: 2 GB | | | | | |
| Deep Learning Structure Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX Programming Language C, C++ Video 50 Hz: Main Stream 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 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. Fourth Stream 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Computing Power | 1.5 TOPS | | | | | |
| Video 50 Hz: 250 Hz: 2 | Open Capability | HEOP 2.0 OpendevSDK | | | | | |
| 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 (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Deep Learning Structure | Caffe, PyTorch, TensorFlow, PaddlePaddle, ONNX | | | | | |
| 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) 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 (1280 × 720, 640 × 480, 640 × 360) Third Stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Programming Language | C, C++ | | | | | |
| Main Stream 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 (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Video | | | | | | |
| Main Stream 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 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 (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | | 50 Hz: | | | | | |
| 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Main Chuann | 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 (1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | iviain Stream | 60 Hz: | | | | | |
| Sub-Stream 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | | 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) | | | | | |
| 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) Third Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Sub Stroam | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | |
| Third Stream 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings. 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Sub-Stream | 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | |
| *Third stream is supported under certain settings. $50 \text{ Hz: 1 fps } (1280 \times 720, 640 \times 480, 640 \times 360)$ Fourth Stream $60 \text{ Hz: 1 fps } (1280 \times 720, 640 \times 480, 640 \times 360)$ | | 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | |
| 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | Third Stream | 60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | |
| Fourth Stream 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | | *Third stream is supported under certain settings. | | | | | |
| | | 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | |
| *Fourth stream is supported under certain settings. | Fourth Stream | 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) | | | | | |
| | | *Fourth stream is supported under certain settings. | | | | | |



| | Main stream: H.265/H.264/H.264+/H.265+, | | | | | |
|---------------------------------------|---|--|--|--|--|--|
| | | | | | | |
| Video Compression | Sub-stream: H.265/H.264/MJPEG, | | | | | |
| | Third stream: H.265/H.264, | | | | | |
| Video Bit Rate | Fourth stream: H.265/H.264/MJPEG, | | | | | |
| | 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) | 5 fixed regions for main stream and sub-stream | | | | | |
| e-PTZ | Support Patrol and Auto Tracking settings | | | | | |
| Audio | | | | | | |
| Audio Type | Mono sound | | | | | |
| Audio Bit Rate | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps | | | | | |
| ridaio Bit Nate | (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC) | | | | | |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC | | | | | |
| Environment Noise Filtering | Yes | | | | | |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/48 kHz | | | | | |
| Network | | | | | | |
| | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, | | | | | |
| Protocols | SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, | | | | | |
| | WebSocket, WebSockets, SRTP, SFTP | | | | | |
| Simultaneous Live View | Up to 6 channels | | | | | |
| API | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP | | | | | |
| Haar/Haat | 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 | iVMS-4200, Hik-Connect, Hik-Central | | | | | |
| | Plug-in free live view: Chrome 91+, Firefox 88+, Edge 91+, Safari 13+ | | | | | |
| Web Browser | Local service: Chrome 91+, Firefox 88+, Edge 91+ | | | | | |
| Image | | | | | | |
| Image Parameters Switch | Yes | | | | | |
| | 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 | | | | | |
| Image Enhancement | BLC, HLC, 3D DNR, Distortion Correction, Defog | | | | | |
| SNR | ≥ 52 dB | | | | | |
| Wide Dynamic Range (WDR) | 130 dB | | | | | |
| · · · · · · · · · · · · · · · · · · · | EIS EIS | | | | | |
| Image Stabilization | | | | | | |
| Privacy Mask | 8 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 | | | | |
| | Built-in Microphone: Arrayed dual-microphone, | | | | |
| | 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input | | | | |
| Audio | impedance: 4.7 KΩ, interface type: non-equilibrium, | | | | |
| | 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output | | | | |
| | impedance: 100 Ω , interface type: non-equilibrium | | | | |
| Alarm | 1 input, 1 output (max. 12 VDC, 30 mA) | | | | |
| Reset Key | Yes | | | | |
| Power Output | 12 VDC, max. 100 mA | | | | |
| Event | | | | | |
| | Motion detection (support alarm triggering by specified target types (human and | | | | |
| Basic Event | vehicle)), video tampering alarm, exception | | | | |
| | Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger | | | | |
| Linkage | capture, send email, trigger alarm output | | | | |
| Smart Event | Scene change detection, audio exception detection, defocus detection | | | | |
| Deep Learning Function | | | | | |
| Face Capture | Yes | | | | |
| People Counting | Yes | | | | |
| | Line crossing, intrusion, region entrance, region exiting | | | | |
| Perimeter Protection | Support alarm triggering by specified target types (human and vehicle) | | | | |
| General | | | | | |
| | 12 VDC ± 25%, 0.85 A, max. 10.2 W, Ø5.5 mm coaxial power plug, reverse polarity | | | | |
| Power | protection, | | | | |
| | PoE: IEEE 802.3af, Class 3, max. 11.5 W | | | | |
| Material | Base: aluminum alloy, cover: aluminum alloy | | | | |
| Dimension | Ø121.5 mm × 97.6 mm (Ø4.8" × 3.8") | | | | |
| Package Dimension | 234 mm × 120 mm × 117 mm (9.2" × 4.7" × 4.6") | | | | |
| Weight | Approx. 630 g (1.4 lb.) | | | | |
| With Package Weight | Approx. 880 g (2.0 lb.) | | | | |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) | | | | |
| Startup and Operating | | | | | |
| Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) | | | | |
| General Function | Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding | | | | |
| | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, | | | | |
| Language | Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, | | | | |
| Language | 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 | | | | |
| EMC | 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 | | | | |



| | UL: UL 62368-1, | |
|---------------------------|--|--|
| Safety | CB: IEC 62368-1: 2014+A11, | |
| | CE-LVD: EN 62368-1: 2014/A11: 2017 | |
| | CE-RoHS: 2011/65/EU, | |
| Environment | WEEE: 2012/19/EU, | |
| | Reach: Regulation (EC) No 1907/2006 | |
| Protection | IP67: IEC 60529-2013, IK10: IEC 62262:2002 | |
| Anti-Corrosion Protection | -Y: NEMA 4X (NEMA 250-2018) | |

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 MODERATE 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. | | |
| | Hikvision products at this level are equipped for use in areas with moderate | | |
| Moderate protection | 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

DS-2CD3186G3-LISUY(2.8mm)

DS-2CD3186G3-LISUY(4mm)

DS-2CD3186G3-LISU(2.8mm)

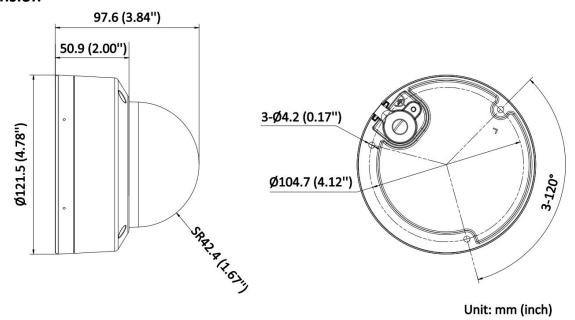
DS-2CD3186G3-LISU(4mm)

DS-2CD3186G3-LISUY(2.8mm)(Black)

DS-2CD3186G3-LISUY(4mm)(Black)



Dimension



Accessory

Optional

| - Optional | | | | |
|--------------------------------|---------------------------------|-----------------------------------|--------------------------------------|---------------------------------|
| DS-1272ZJ-120 Wall mount | DS-1272ZJ-120B Wall mount | DS-1271ZJ-120 Pendant Mount | DS-1275ZJ-SUS Vertical pole mount | DS-1276ZJ-SUS Corner mount |
| | 6 | | # h | |
| | | | | |
| DS-1280ZJ-DM46 Junction box | DS-2280ZJ-WA120 Junction box | DS-2210ZJ-WA-120 Pendant Mount | DS-2200ZJ-WA-120 Wall mount | DS-2200ZJ-WAJ-120 Wall mount |
| | | Ī | | |





See Far, Go Further



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