

# **Meet Hikvision's**

# Ultra-Powerful

# **Cameras**

Hikvision designed Ultra-Series Network Cameras to upgrade security in virtually any setting with excellent hardware, expanded software capabilities, and the Hikvision Embedded Open Platform (HEOP) for third-party applications.

The Ultra Series offers unmatched reliability and scalability to boost success for systems integrators and installers in a host of markets.

Read on to see how these powerful cameras can provide a critical, cost-effective solution in your next installation.









Intelligence for varied scenarios



Smart Hybrid Light



Excellent imaging performance

# Feature Highlights

# Surprising image quality in virtually any light

Select cameras in the Ultra Series feature Hikvision's **DarkFighterS technology**, producing professional-quality color imaging in low light. Even in total darkness, users can still get sharply-focused HD images, whether in color or black & white.

### Superb Low-light Imaging

F1.0 fixed lens and advanced sensor ensure excellent color reproduction in low light.

#### Smart Hybrid Light

Three supplemental lighting modes available – infrared, white light and smart mode – to meet the needs of different environments.

#### **S**uper Confocal Lens

Designed with micron-level precision for masterly focus and long-lasting, high-resolution images with an F1.0 large aperture.



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## low smart hybrid light works

There are three lighting modes available: IR, white light, and the smart "hybrid" mode.

In IR mode, the camera uses its IR lighting in darkness. In white light mode, the camera uses a visible light to ensure continual color imaging overnight.

In smart mode, the camera maintains infrared illumination and only employs the visible light when triggered by the detection of a person or vehicle. By smartly switching the lighting modes, users can get all the details at those key moments.



When there is no target in the area, the infrared light turns on



When a car or person appears, the white light turns on



When the car or person leaves, the camera switches back to the infrared light.

# **More** precise iris control

Select Ultra-Series Cameras feature **Precise Iris Control (P-Iris)**, a technology designed to provide precise, automatic control over the camera's iris opening. By optimizing the amount of light that enters the lens, P-Iris helps improve the overall image quality, maintain the right depth of field, and render details in high clarity.







Switch from among four embedded Al algorithms specifically designed for intelligent applications, including **People Counting**, **Perimeter Protection**, and more.



# Automated object detection that continues learning

With **AcuSense classified object detection**, Ultra-Series Cameras automatically detect persons and vehicles, pushing instant notifications to users or triggering **Live Guard visual and auditory warnings**.





This advanced technology is now enhanced with the **Learn-by-Example** mode of **Self-Learning Analytics**. Users note the false alarms generated within a particular scene, and the algorithm will learn from the examples and minimize similar errors in the alarm triggering that follows.

# Running third-party algorithms with HEOP

Users can now go beyond general-purpose algorithms. With the **Hikvision Embedded Open Platform (HEOP)**, select Ultra-Series Cameras can run deep-learning algorithms tailored by third-party providers for users' unique installation environments or business-enhancing scenarios.





# Cybersecurityand Data Protection

Ultra-Series Cameras support IEEE 802.1x, SRTP and SFTP protocols, security logs, and SD card encryption, along with other data protection measures.

# Long-term Performance Guaranteed

Hikvision's global after-sales service network and 5-year warranty for Ultra-Series Cameras provide reliable project maintenance and improve cost efficiency.



# Typical Applications



Helping users stay focused with classified object detection and sharply-focused images in either color or black & white



Providing 180° panoramas in 4K resolution, with colorful imaging around the clock



Rendering excellent imaging even in challenging light and providing automated people counting at entrances



Outputting live HD video directly on an in-store display via the HDMI ports



Operating in coastal areas with corrosion-resistant coatings and NEMA 4X certification



Covering ultra-long distances with up to 15x optical zoom and high-performance IR LEDs

# Towards a Greener Footprint

Ultra-Series Cameras feature a **low-power mode** to reduce the camera's power consumption by up to 50%. Hikvision also continually refines the cameras' packaging by maximizing the use of **eco-friendly**, **biodegradable materials**.



#### **Product showcase**

DS-2CD3046G2H-LI(U) DS-2CD3066G2H-LIU DS-2CD3086G2H-LIU



- 1/3" Progressive Scan CMOS
- 0.001 lux @ (F1.0, AGC ON), 0 lux with light
- 130 dB WDR
- 2 8 to 4 mm • IIn to 40 m
- Motion Detection and Smart Event (classified) object detection for persons and vehicles); Face Capture; People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)

- PoF: 12 VDC

#### DS-2CD3T46G2H-LIS DS-2CD3T66G2H-LISU DS-2CD3T86G2H-LISU



- 1/3" Progressive Scan CMOS
- 0.001 lux @ (F1.0, AGC ON), 0 lux with light • 130 dB WDR
- 2 8 to 4 mm
- Up to 40 m
- · Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Capture; People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)
- Audio I/O: 1 in, 1 out
- Alarm I/O: 2 in, 2 out PoE; 12 VDC



## DS-2CD3T87G2P-LSU/SL

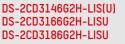
- 2 × 1/1.8" Progressive Scan CMOS
- 0.0005 lux @ (F1.0, AGC ON), 0 lux with light
- 130 dB WDR • 4 mm
- White light up to 40 m
- Motion Detection and Smart Event (classified)
- object detection for persons and vehicles); Face Canture
- IP67
- -30 °C to +60 °C (-22 °F to +140 °F)
- Audio I/O: 1 in, 1 out
- Alarm I/O: 2 in, 2 out
   PoE: 12 VDC

#### DS-2CD3B26G2T-IZHS(Y)(H) DS-2CD3B46G2T-IZHS(Y)(H) DS-2CD3B86G2T-IZHS(Y)(H)



- 1/1.8" Progressive Scan CMOS Color: 0.0014 lux @ (F1.4, AGC ON), B/W: 0 lux with IR
- 140 dB WDR
- 2.8 to 12 mm; 8 to 32 mm
- 2.8 to 12 mm: up to 60 m; 8 to 32 mm: up to 80 m Motion Detection and Smart Event Iclassified object detection for persons and vehicles). Face
- Capture; People Counting
- -40 °C to +60 °C (-40 °F to +140 °F)
- Audio I/O: 1 in, 1 out • Alarm I/O: 3 in, 3 out
- PoE; 12 VDC

## DS-2CD3166G2H-LISU DS-2CD3186G2H-LISU



- 1/3" Progressive Scan CMOS
- 0.001 lux @ (F1.0, AGC ON), 0 lux with light
- 130 dB WDR
- 28 to 4 mm
- Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Capture: People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)
- 512 GB
- Audio I/O: 1 in, 1 out
- Alarm I/O: 1 in, 1 out • PoE; 12 VDC

## DS-2CD3646G2HT-LIZS DS-2CD3686G2HT-LIZS

- 0.001 lux @ (F1.0, AGC ON), O lux with light
- 130 dB WDR
- 2.7 to 13.5 mm
- IIn to 60 m
- Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Capture; People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)
- Audio I/O: 1 in, 1 out • Alarm I/O: 2 in, 2 out
- PoF: 12 VDC

#### DS-2CD3746G2HT-LIZSU DS-2CD3786G2HT-LIZSU

- 0.001 lux @ (F1.0, AGC ON), O lux with light
- IIn to 40 m

- 512 GB
- Audio I/O: 1 in, 1 out
- Alarm I/O: 2 in, 2 out
- PoF: 12 VDC



#### DS-2CD3387G2P-LSU/SL

- 2 × 1/1.8" Progressive Scan CMOS 0.0005 lux @ (F1.0, AGC ON), 0 lux with light

- White light up to 40 m
- -30 °C to +60 °C (-22 °F to +140 °F)
- Audio I/O: 1 in, 1 out

- 130 dB WDR
- 4 mm
- Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Canture

# • Alarm I/O: 1 in, 1 out • PoE: 12 VDC



#### DS-2CD3D26G2T-IZHSU(Y)(H) DS-2CD3D46G2T-IZHSU(Y)(H) DS-2CD3D86G2T-IZHSU(Y)(H)

- 2/4/8 MP
- 1/1.8" Progressive Scan CMOS Color: 0.0014 lux @ (F1.4, AGC ON), B/W: 0 lux with IR
- 140 dB WDR
- 2.8 to 12 mm; 8 to 32 mm • 2.8 to 12 mm: up to 40 m; 8 to 32 mm: up to 60 m Motion Detection and Smart Event (classified) object detection for persons and vehicles). Face
- Capture: People Counting • -40 °C to 60 °C (-40 °F to 140 °F)
- 256 GB
- Audio I/O: 1 in, 1 out
- Alarm I/O: 2 in, 2 out
- PoE; 12 VDC

# DS-2CD3346G2H-LIS(U)

DS-2CD3366G2H-LISU DS-2CD3386G2H-LISU



- 4/6/8 MP
- 1/3" Progressive Scan CMOS
- 0.001 lux @ (F1.0, AGC ON), 0 lux with light
- 130 dB WDR
- 2 8 mm 4 mm
- Up to 40 m • Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Capture: People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)
- Audio I/O: 1 in, 1 out
- Alarm I/O · 1 in. 1 out • PoE; 12 VDC



- 130 dB WDR
- 2 7 to 13.5 mm
- Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Capture; People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)



## DS-2CD3A26G2T-IZS

- 0.002 lux @ (F1.4, AGC ON), 0 lux with IR
- 120 dB WDR 47 to 71 mm
- Up to 150 m Motion Detection and Smart Event (classified) object detection for persons and vehicles); Face
- Canture • IP67: IK10
- -40 °C to +60 °C (-40 °F to +140 °F)
- Audio I/O: 1 in, 1 out
- Alarm I/0: 2 in, 2 out • PoE: 12 VDC



#### DS-2CD3046G2-IS(H) DS-2CD3066G2-IS(H) DS-2CD3086G2-IS(H)

- 4/6/8 MP • 1/3" Progressive Scan CMOS • Color: 0.003 lux @ (F1.4, AGC ON), B/W: 0 lux with IR
- 120 dB WDR 2.8 mm, 4 mm, 6 mm
- Up to 40 m Motion Detection and Smart Event (classified) object detection for persons and vehicles): Face Capture: People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)
- 512 GB • Audio I/O: 1 in, 1 out
- Alarm I/0: 1 in, 1 out
- PoE; 12 VDC

### **Product showcase**

#### DS-2CD3046G2-IU/SL(H)

- 1/3" Progressive Scan CMOS
- Color: 0.003 lux @ (F1.4, AGC ON), B/W: 0 lux with IR
- 120 dR WDR
- . 28 mm 4 mm 6 mm
- Up to 40 m Motion Detection and Smart Event (classified) object detection for persons and vehicles); Face Capture: People Counting
- 30 °C to +60 °C (-22 °F to +140 °F)
- · Audio I/O: N/A
- Alarm I/O · Visual alarm
- PoE; 12 VDC

#### DS-2CD3346G2-ISU/SL(H)

- 1/3" Progressive Scan CMOS
- Color: 0.003 lux @ (F1.4, AGC ON), B/W: 0 lux with IR • 120 dB WDR
- Up to 40 m • Motion Detection and Smart Event (classified
- object detection for persons and vehicles); Face Capture; People Counting
- -30 °C to +60 °C (-22 °F to +140 °F)

• 2 8 mm 4 mm 6 mm

• Audio I/O: 1 in, 1 out • Alarm I/O: Visual alarm, 1 in, 1 out (max. 24 VDC, 1 A) • PoE; 12 VDC

# DS-2CD3646G2(T)-IZS(H)

## DS-2CD3T46G2-ISU/SL(H)

- 1/3" Progressive Scan CMOS • Color: 0.003 lux @ (F1.4, AGC ON), B/W: 0 lux with IR • 120 dB WDR
- 2.8 mm. 4 mm. 6 mm Motion Detection and Smart Event (classified)

object detection for persons and vehicles): Face

- Capture: People Counting • -30 °C to 60 °C (-22 °F to 140 °F)
- Alarm I/O: Visualalarm, 2 in, 2 out (max. 24 VDC/24 VAC, 1 A) PoE; 12 VDC

• Audio I/O: 1 in, 1 out



- DS-2CD3721G2-IZS DS-2CD3741G2-IZS
- . 2/4 MP
- 1/2.8" Progressive Scan CMOS Color: 0.005 lux @ (F1.6, AGC ON), B/W: 0 lux with IR • 120 dB WDR
- 60 m • Line Crossing Detection; Intrusion Detection • IP67

• 256 GB

• Audio I/O: 1 in, 1 out • Alarm I/O: 1 in, 1 out (max. 12 VDC, 30 mA)

• -30 °C to 60 °C (-22 °F to 140 °F)

PoF: 12 VDC

## DS-2CD3146G2-IS(U)(H) DS-2CD3166G2-IS(U)(H)



- 1/3" Progressive Scan CMOS
- Color: 0.003 lux @ (F1.4, AGC ON), B/W: 0 lux with IR
- 120 dR WDR
- 2 8 mm 4 mm 6 mm • Up to 40 m
- Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Capture: People Counting
- IP67: IK10
- -30 °C to +60 °C (-22 °F to +140 °F) • 512 GB • Audio I/O: 1 in, 1 out
- Alarm I/O: 1 in, 1 out PoE; 12 VDC

## DS-2CD3546G2-IS(H) \* DS-2CD3566G2-IS(H)

DS-2CD3586G2-IS(H)

- 1/3" Progressive Scan CMOS
- Color: 0.003 lux @ (F1.4, AGC ON), B/W: 0 lux with IR • 120 dB WDR • 2 8 mm 4 mm
- Up to 30 m • Motion Detection and Smart Event (classified object detection for persons and vehicles); Face
- Capture; People Counting • -30 °C to 60 °C (-22 °F to 140 °F)
- Audio I/O: 1 in, 1 out
- Alarm I/O: 1 in, 1 out (max. 12 VDC, 30 mA) PoE; 12 VDC
- - DS-2CD3686G2(T)-IZS(H)
  - 1/3" Progressive Scan CMOS

DS-2CD3666G2(T)-IZS(H)

• Color: 0.003 lux @ (F1.6, AGC ON), B/W: 0 lux with IR 120 dR WDR • 2.7 to 13.5 mm / 7 to 35 mm • 2.7 to 13.5 mm: up to 60 m / 7 to 35 mm: up to 80 m

· Motion Detection and Smart Event (classified

- object detection for persons and vehicles); Face Capture: People Counting • IP67; IK10
- Audio I/O: 1 in, 1 out Alarm I/O: 1 in, 1 out (max. 24 VDC/24 VAC, 1 A) PoE; 12 VDC

• -30 °C to +60 °C (-22 °F to +140 °F)



- 1/2.7" Progressive Scan CMOS Color: 0.005 lux @ (F1.6, AGC ON), B/W: 0 lux with IR
- 2.8 mm, 4 mm, 6mm • 40 m · Line Crossing Detection: Intrusion Detection

• -30 °C to 60 °C (-22 °F to 140 °F)

• PoE; 12 VDC

• 120 dB WDR

### DS-2CD3346G2-IS(U)(H) DS-2CD3366G2-IS(U)(H) DS-2CD3386G2-IS(U)(H)



- 4/6/8 MP
- 1/3" Progressive Scan CMOS Color: 0.003 lux @ (F1.6, AGC ON), B/W: 0 lux with IR
- 120 dB WDR
- 2.8 mm, 4 mm, 6 mm • 4∩ m
- Motion Detection and Smart Event (classified object detection for persons and vehicles); Face Capture; People Counting
- -30 °C to +60 °C (-22 °F to +140 °F)
- 512 GB • Audio I/O: 1 in, 1 out

DS-2CD3T66G2-4IS(H)

• Alarm I/O: 1 in, 1 out (max. 12 VDC, 30 mA) • PoE: 12 VDC



• Up to 90 m

• 1/3" Progressive Scan CMOS • Color: 0.003 lux @ (F1.4, AGC ON), B/W: 0 lux with IR • 120 dB WDR • 2 8 mm 4 mm 6 mm

• Motion Detection and Smart Event (classified

- object detection for persons and vehicles); Face Capture; People Counting
- -30 °C to 60 °C (-22 °F to 140 °F)

# • Audio I/O: 1 in, 1 out • Alarm I/O: 2 in, 2 out (max. 24 VDC, 1 A) • PoE; 12 VDC DS-2CD3746G2(T)-IZS(Y)(H)

DS-2CD3766G2(T)-IZS(Y)(H) DS-2CD3786G2(T)-IZS(Y)(H)

PoE; 12 VDC

• 2/4 MP

DS-2CD3121G2-ISF

DS-2CD3141G2-ISF

- 1/3" Progressive Scan CMOS Color: 0.003 lux @ (F1.6, AGC ON), B/W: 0 lux with IR
- 120 dB WDR • 2.7 to 13.5 mm / 7 to 35 mm • 2.7 to 13.5 mm: up to 40 m / 7 to 35 mm: up to 50 m Motion Detection and Smart Event (classified)

object detection for persons and vehicles); Face

- Capture; People Counting • IP67; IK10 • -30 °C to +60 °C (-22 °F to +140 °F)
- Audio I/O: 1 in, 1 out Alarm I/O: 1 in, 1 out (max. 24 VDC/24 VAC, 1 A)



#### • 120 dB WDR • 40 m

- -30 °C to 60 °C (-22 °F to 140 °F)
- Audio I/O: 1 in, 1 out
- Line Crossing Detection; Intrusion Detection
- Alarm I/O: 1 in, 1 out (max. 12 VDC, 30 mA) • PoE; 12 VDC

• 1/2.7" Progressive Scan CMOS • Color: 0.005 lux @ (F1.6, AGC ON), B/W: 0 lux with IR