

HIKVISION®

Smart Hybrid Light Cameras

Next-level night vision
with **Smart Hybrid Light**



IR  White light



01 Low-light Imaging Challenges

Supplemental lighting enables security cameras to “see” clearly in dim environments. Conventional cameras with infrared (IR) light provide black & white images which usually result in loss of details. While white-light cameras offer colorful images, when the light is always on, it is easy to notice and might be disturbing in some specific scenarios.

03 How Smart Hybrid Light Cameras Work

Hikvision’s Smart Hybrid Light Cameras provide three supplemental lighting modes: IR mode, white light mode, and smart mode, suiting virtually any need or application.

IR Mode

The IR light is always on, and video imaging remains black and white (in low light).



White Light Mode

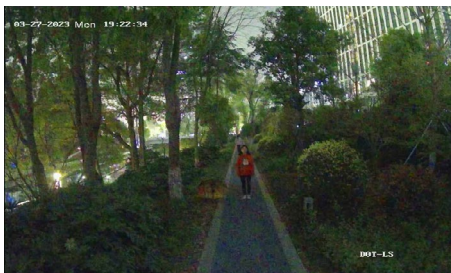
The visible white light is always on, and the camera captures color imaging 24/7.

04 Product Performance

Supplemental light off



Conventional camera



Smart hybrid light camera



Richer colors and better color effect in low light conditions

IR on



Conventional camera

02 Meet Smart Hybrid Light Cameras

To solve these pain points, Hikvision has created a new approach to supplemental lighting technology – the Smart Hybrid Light. Security cameras with Smart Hybrid Light allow users to adjust the supplemental lighting based on specific needs and environments.



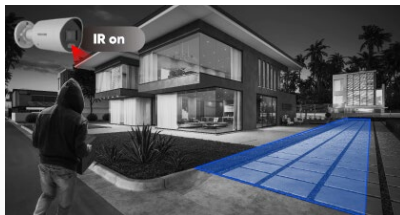
Flexible hybrid-light illumination



Classified object detection



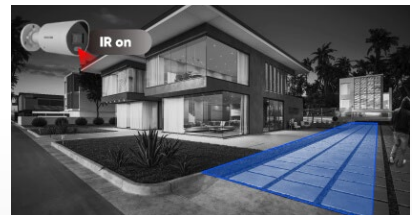
Trespassers deterred with lighting



When there is no vehicle or person, the camera uses only the IR light, offering black and white imaging.



When a vehicle or person appears, the white light is automatically triggered, resulting in vivid color imaging with clear details.



When the vehicle or person leaves, the camera switches back to the IR light, rendering black and white imaging.

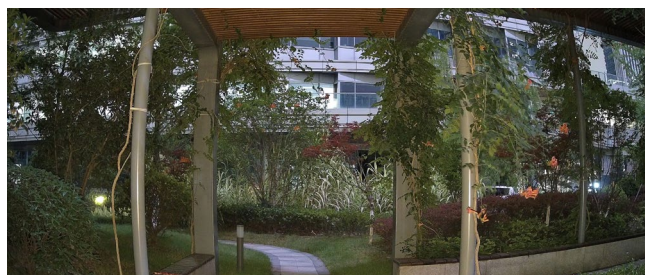
Smart Mode

In this mode, the camera uses invisible IR light when there are no people or vehicles around. When a person or vehicle appears, the camera automatically triggers the white light, providing vivid color images with detailed information. This ensures overall security and flexibility for users.

White light on



Smart hybrid light camera



Smart hybrid light camera



Overall image brightness is better than traditional cameras

05 Typical Scenarios



1

Residences



Used as a motion sensor to light the way for family members at night



Deter would-be trespassers to keep residence safe and secure



2

Warehouses / Retail Stores

Motion
Detection 2.0

Classified object detection of people and vehicles using Motion Detection 2.0



Deter potential trespassers when the store or warehouse is closed



3

City Streets



Brilliant and vivid imaging even in dim environments without supplemental lighting



No unwanted or excessive light pollution

06 Easy Configuration

It only takes a few simple steps to set up the Smart Hybrid Light on the cameras.

• Network cameras

Users can choose from three supplemental lighting modes simply by one click or a few taps.

^ Day/Night Switch

Day/Night Switch
Auto

Sensitivity
4

Filtering Time
5

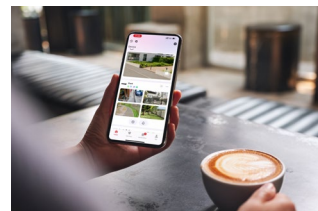
Smart Supplement Light
ON

Supplement Light Mode
Smart

*The Motion Detection 2.0 or Perimeter Protection function shall be enabled manually.



Web



Mobile app



NVR

• Turbo HD cameras

Users can easily switch among three supplemental lighting modes by using a recommended DVR.

Smart Hybrid Light



Smart hybrid light cameras



AcuSense
Technology

Motion
Detection 2.0



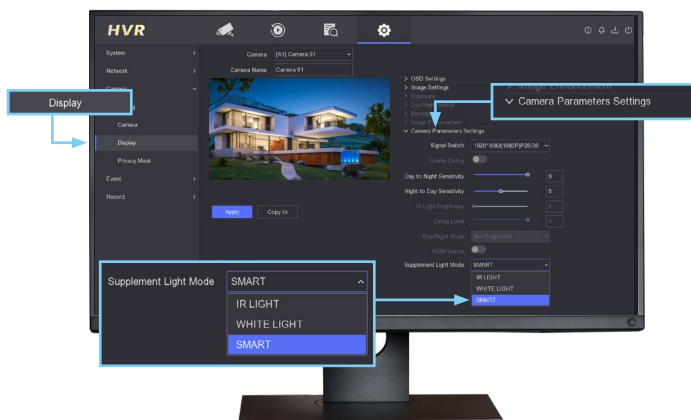
eDVR

DVR with AcuSense

DVR with Motion Detection 2.0



The camera is set to smart mode by default, eliminating manual setup.



Available firmware

Product Series	Firmware Version
eDVR series	V4.71.220
Value series	V4.71.400
Pro series with AcuSense	V4.71.100

Product Showcase

Turbo HD Smart Hybrid Light Cameras



DS-2CE16D0T-LFS **DS-2CE16K0T-LFS**

2 MP/3K Mini Bullet Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 30m IR distance
- Digital WDR
- Audio over Coaxial cable
- IP67
- Metal



DS-2CE16D0T-LPFS **DS-2CE16K0T-LPFS**

2 MP/3K Mini Bullet Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 25 m IR distance
- Digital WDR
- Audio over Coaxial cable
- IP67
- Plastic



DS-2CE17D0T-LFS **DS-2CE17K0T-LFS**

2 MP/3K Bullet Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40m IR distance
- Digital WDR
- Audio over Coaxial cable
- IP67
- Plastic & Metal



DS-2CE76D0T-LMFS **DS-2CE76K0T-LMFS**

2MP/3K Turret Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 30 m IR
- Digital WDR
- Audio over Coaxial cable
- IP67
- Metal



DS-2CE76D0T-LPFS **DS-2CE76K0T-LPFS**

2 MP/3K Turret Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20 m IR distance
- Digital WDR
- Audio over Coaxial cable
- Plastic



DS-2CE78D0T-LFS **DS-2CE78K0T-LFS**

2 MP/3K Turret Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 40m IR distance
- Digital WDR
- Audio over Coaxial cable
- IP67
- Plastic & Metal



DS-2CE18D0T-LFS **DS-2CE18K0T-LFS**

2 MP/3K Lamp Camera

- 0.01 lux @ F2.0
- 2.8/3.6/6 mm lens
- Smart Hybrid Light
- Up to 60 m white light distance and 60m IR distance
- Digital WDR
- Audio over Coaxial cable
- IP67
- Plastic & Metal



DS-2CE16U0T-LF

4K Mini Bullet Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 30m IR distance
- Digital WDR
- IP67
- Metal



DS-2CE16U0T-LPF

4K Mini Bullet Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 25 m IR distance
- Digital WDR
- IP67
- Plastic



DS-2CE17U0T-LF

4K Bullet Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40m IR distance
- Digital WDR
- IP67
- Plastic & Metal



DS-2CE76U0T-LMF

4K Turret Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 30 m IR
- Digital WDR
- IP67
- Metal



DS-2CE76U0T-LPF

4K Turret Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- Digital WDR
- Plastic



DS-2CE78U0T-LF

4K Turret Camera

- 0.01 lux @ F1.6
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 40m IR distance
- Digital WDR
- IP67
- Plastic & Metal

TurboHD Smart Hybrid Light Cameras with ColorVu



DS-2CE10DF0T-LFS **DS-2CE10KF0T-LFS** 2 MP/3K Mini Bullet Camera

- 0.001 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- 3D DNR, Digital WDR
- Audio over Coaxial cable
- IP67
- Metal



DS-2CE10DF0T-LPFS **DS-2CE10KF0T-LPFS** 2 MP/3K Mini Bullet Camera

- 0.001 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- 3D DNR, Digital WDR
- Audio over Coaxial cable
- IP67
- Plastic



DS-2CE12DF0T-LFS **DS-2CE12KF0T-LFS** 2 MP/3K Bullet Camera

- 0.001 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40m IR distance
- 3D DNR, Digital WDR
- Audio over Coaxial cable
- IP67
- Metal



DS-2CE70DF0T-LMFS **DS-2CE70KF0T-LMFS** 2 MP/3K Turret Camera

- 0.001 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20 m IR
- 3D DNR, Digital WDR
- Audio over Coaxial cable
- IP67
- Metal



DS-2CE70DF0T-LPFS **DS-2CE70KF0T-LPFS** 2 MP/3K Turret Camera

- 0.001 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- 3D DNR, Digital WDR
- Audio over Coaxial cable
- Plastic



DS-2CE72DF0T-LFS **DS-2CE72KF0T-LFS** 2 MP/3K Turret Camera

- 0.001 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40m IR distance
- 3D DNR, Digital WDR
- Audio over Coaxial cable
- IP67
- Plastic & Metal



DS-2CE10DF3T-LFS(E) 2 MP Mini Bullet Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- Audio over Coaxial
- IP67
- Metal



DS-2CE10DF3T-LPFS 2 MP Mini Bullet Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- 3D DNR, 130 dB WDR
- Audio over Coaxial
- IP67
- Plastic



DS-2CE12DF3T-LFS(E) 2 MP Bullet Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40 m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- Audio over Coaxial
- IP67
- Metal


NEW

DS-2CE72DF3T-LFS(E)

2 MP Turret Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- Audio over Coaxial
- IP67
- Plastic & Metal


NEW

DS-2CE19DF3T-LSZE

2 MP Bullet Camera

- 0.0005 lux @ F1.28
- 2.8-12 mm motorized varifocal lens
- Smart Hybrid Light
- Up to 60 m white light distance and 60m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- Audio over Coaxial
- IP67
- Plastic & Metal


NEW

DS-2CE50DF3T-VPLSZE

2 MP Dome Camera

- 0.0005 lux @ F1.28
- 2.8-12 mm motorized varifocal lens
- Smart Hybrid Light
- Up to 60 m white light distance and 60 m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- Audio over Coaxial
- IP67 IK10
- Metal


NEW

DS-2CE50DF3T-VPLFS(E)

2 MP Dome Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40 m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- Audio over Coaxial
- IP67, IK10
- Metal


NEW

DS-2CE70DF3T-LMFS

2 MP Turret Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20 m IR distance
- 3D DNR, 130 dB WDR
- Audio over Coaxial
- IP67
- Metal


NEW

DS-2CE70DF3T-LPFS

2 MP Turret Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- 3D DNR, 130 dB WDR
- Audio over Coaxial
- IP67
- Plastic


NEW

DS-2CE10KF3T-L(E)

3K Mini Bullet Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 20 m white light distance and 20m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- IP67
- Metal


NEW

DS-2CE12KF3T-L(E)

3K Bullet Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- IP67
- Metal


NEW

DS-2CE72KF3T-L(E)

3K Turret Camera

- 0.0005 lux @ F1.0
- 2.8/3.6 mm lens
- Smart Hybrid Light
- Up to 40 m white light distance and 40m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- IP67
- Plastic & Metal

Network Smart Hybrid Light Cameras

Value series



NEW

DS-2CD1023G2-LIU(F)
DS-2CD1043G2-LIU(F)
DS-2CD1063G2-LIU(F)
DS-2CD1083G2-LIU(F)
2/4/6/8MP Mini Bullet Camera

- 0.005 Lux @ F1.6 (8MP: 0.01 Lux @ F2.0)
- IR or white light range: up to 30m
- -F: SD Card Slot (up to 256GB)
- Built-in microphone
- Metal & Plastic



NEW

DS-2CD1123G2-LIU(F)
DS-2CD1143G2-LIU(F)
DS-2CD1163G2-LIU(F)
DS-2CD1183G2-LIU(F)
2/4/6/8MP Dome Camera

- 0.005 Lux @ F1.6 (8MP: 0.01 Lux @ F2.0)
- IR or white light range: up to 30m
- -F: SD Card Slot (up to 256GB)
- Built-in microphone
- 3-Axis
- Metal & Plastic



NEW

DS-2CD1323G2-LIU(F)
DS-2CD1343G2-LIU(F)
DS-2CD1363G2-LIU(F)
DS-2CD1383G2-LIU(F)
2/4/6/8MP Turret Camera

- 0.005 Lux @ F1.6 (8MP: 0.01 Lux @ F2.0)
- IR or white light range: up to 30m
- -F: SD Card Slot (up to 256GB)
- Built-in microphone
- Metal & Plastic



NEW

DS-2CD1T23G2-LIU(F)
DS-2CD1T43G2-LIU(F)
DS-2CD1T63G2-LIU(F)
DS-2CD1T83G2-LIU(F)
2/4/6/8MP Bullet Camera

- 0.005 Lux @ F1.6 (8MP: 0.01 Lux @ F2.0)
- IR or white light range: up to 50m
- -F: SD Card Slot (up to 256GB)
- Built-in microphone
- Metal & Plastic



NEW

DS-2CD1623G2-LIZ(S)U
DS-2CD1643G2-LIZ(S)U
DS-2CD1663G2-LIZ(S)U
2/4/6MP Bullet Camera

- 0.005 Lux @ F1.6
- IR or white light range: up to 50m
- -F: SD Card Slot (up to 256GB)
- Built-in microphone
- 2.8-12 mm motorized varifocal lens
- Metal & Plastic



NEW

DS-2CD1723G2-LIZ(S)U
DS-2CD1743G2-LIZ(S)U
DS-2CD1763G2-LIZ(S)U
2/4/6MP Dome Camera

- 0.005 Lux @ F1.6
- IR or white light range: up to 50m
- -F: SD Card Slot (up to 256GB)
- Built-in microphone
- 2.8-12 mm motorized varifocal lens
- Metal & Plastic

Pro series



DS-2CD2023G2-LI(2U)
DS-2CD2043G2-LI(2U)
DS-2CD2063G2-LI(2U)
DS-2CD2083G2-LI(2U)
 2/4/6/8MP Mini Bullet Camera

- 0.005 Lux @ F1.6
- EXIR, up to 40m
- Built-in micro SD/SDHC/SDXC slot
- -2U: Built-in Dual-Array Microphone
- VCA functions
- Metal



DS-2CD2123G2-LI(S2U)
DS-2CD2143G2-LI(S2U)
DS-2CD2163G2-LI(S2U)
DS-2CD2183G2-LI(S2U)
 2/4/6/8MP Dome Camera

- 0.005 Lux @ F1.6
- EXIR, up to 30m
- Built-in micro SD/SDHC/SDXC slot
- -2U: Built-in Dual-Array Microphone
- -S model: Audio/Alarm IO
- VCA functions
- Metal



DS-2CD2323G2-LI(2U)
DS-2CD2343G2-LI(2U)
DS-2CD2363G2-LI(2U)
DS-2CD2383G2-LI(2U)
 2/4/6/8MP Turret Camera

- 0.005 Lux @ F1.6
- EXIR, up to 30m
- Built-in micro SD/SDHC/SDXC slot
- -2U: Built-in Dual-Array Microphone
- VCA functions
- Metal



DS-2CD2T23G2-LI(2U)
DS-2CD2T43G2-LI(2U)
DS-2CD2T63G2-LI(2U)
DS-2CD2T83G2-LI(2U)
 2/4/6/8MP Bullet Camera

- 0.005 Lux @ F1.6
- Built-in micro SD/SDHC/SDXC slot
- -2U: Built-in Dual-Array Microphone
- VCA functions
- Metal



DS-2CD2723G2-LI(S2U)
DS-2CD2743G2-LI(S2U)
DS-2CD2763G2-LI(S2U)
DS-2CD2783G2-LI(S2U)
 2/4/6/8MP Dome Camera

- 0.005 Lux @ F1.6
- EXIR, up to 40m
- Built-in micro SD/SDHC/SDXC slot
- Built-in Dual-Array Microphone
- 2.8-12 mm motorized varifocal lens
- VCA functions
- Metal



DS-2CD2623G2-LI(S2U)
DS-2CD2643G2-LI(S2U)
DS-2CD2663G2-LI(S2U)
DS-2CD2683G2-LI(S2U)
 2/4/6/8MP Bullet Camera

- 0.005 Lux @ F1.6
- EXIR, up to 60m
- Built-in micro SD/SDHC/SDXC slot
- Built-in Dual-Array Microphone
- 2.8-12 mm motorized varifocal lens
- VCA functions
- Metal

Network Smart Hybrid Light Camera with ColorVu

Value series



NEW

DS-2CD1027G2H-LIU(F)
DS-2CD1047G2H-LIU(F)
DS-2CD1067G2H-LIU(F)
2/4/6MP Mini Bullet Camera

- 0.0005 lux @F1.0
- IR or white light range: up to 30m
- F: SD Card Slot (up to 512GB)
- 2.8/4 mm
- Metal & Plastic



NEW

DS-2CD1127G2H-LIU(F)
DS-2CD1147G2H-LIU(F)
DS-2CD1167G2H-LIU(F)
2/4/6MP Dome Camera

- 0.0005 lux @F1.0
- IR or white light range: up to 30m
- F: SD Card Slot (up to 512GB)
- 2.8/4 mm
- Metal & Plastic



NEW

DS-2CD1327G2H-LIU(F)
DS-2CD1347G2H-LIU(F)
DS-2CD1367G2H-LIU(F)
2/4/6MP Turret Camera

- 0.0005 lux @F1.0
- IR or white light range: up to 30m
- F: SD Card Slot (up to 512GB)
- 2.8/4 mm
- Metal & Plastic



NEW

DS-2CD1T27G2H-LIU(F)
DS-2CD1T47G2H-LIU(F)
DS-2CD1T67G2H-LIU(F)
4/6/8MP Bullet Camera

- 0.0005 lux @F1.0
- IR or white light range: up to 50m
- F: SD Card Slot (up to 512GB)
- 2.8/4 mm
- Metal & Plastic

Pro series



NEW

DS-2CD2047G2H-LI(U)
DS-2CD2067G2H-LI(U)
DS-2CD2087G2H-LI(U)
 4/6/8MP Mini Bullet Camera

- 0.0005 lux @F1.0
- Super-confocal lens
- Built-in micro SD/SDHC/SDXC slot
- VCA functions
- Metal



NEW

DS-2CD2147G2H-LI(SU)
DS-2CD2167G2H-LI(SU)
DS-2CD2187G2H-LI(SU)
 4/6/8MP Dome Camera

- 0.0005 lux @F1.0 (8MP: 0.0008 lux @F1.0)
- Super-confocal lens
- Built-in micro SD/SDHC/SDXC slot
- VCA functions
- Metal



NEW

DS-2CD2347G2H-LI(U)
DS-2CD2367G2H-LI(U)
DS-2CD2387G2H-LI(U)
 4/6/8MP Turret Camera

- 0.0005 lux @F1.0 (8MP: 0.0008 lux @F1.0)
- Super-confocal lens
- Built-in micro SD/SDHC/SDXC slot
- VCA functions
- Metal



NEW

DS-2CD2T47G2H-LI(SU/SL)
DS-2CD2T67G2H-LI(SU/SL)
DS-2CD2T87G2H-LI(SU/SL)
 4/6/8MP Bullet Camera

- 0.0005 lux @F1.0
- Super-confocal lens
- Built-in micro SD/SDHC/SDXC slot
- VCA functions
- Metal



NEW

DS-2CD2647G2HT-LIZS
DS-2CD2667G2HT-LIZS
DS-2CD2687G2HT-LIZS
 4/6/8MP Bullet Camera

- 0.0008 lux @F1.2
- Super-confocal lens
- Built-in micro SD/SDHC/SDXC slot
- VCA functions
- 2.8-12 mm motorized varifocal lens
- Metal



NEW

DS-2CD2747G2HT-LIZS
DS-2CD2767G2HT-LIZS
DS-2CD2787G2HT-LIZS
 4/6/8MP Dome Camera

- 0.0008 lux @F1.2
- Super-confocal lens
- Built-in micro SD/SDHC/SDXC slot
- VCA functions
- 2.8-12 mm motorized varifocal lens
- Metal

Smart Hybrid Light Cameras

Next-level night vision with **Smart Hybrid Light**



www.hikvision.com
support@hikvision.com



Hik-Partner Pro

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the app

HIKVISION®