

HIKVISION

Smart Hybrid Light Cameras with ColorVu

Intelligent Light,
Full-Colour at Night



Smart Hybrid Light

ColorVu
Technology

IR  White light




www.hikvision.ca



Hikvision Canada
Toronto Office
2355 Skymark Avenue, Suite 300,
Mississauga, ON, L4W 4Y6

Tel: +1-855-655-9888 (Toll-free)
Technical Support: techsupport.ca@hikvision.com



 Hik-Partner Pro
Scan and download
the app

HIKVISION

www.hikvision.com

Low-light Imaging Challenges

"Seeing" what happens in the darkness is critical for security teams. But capturing crystal clear images in low-light conditions has always been a long-term challenge in the security monitoring industry.

Traditionally, there have been two common solutions. The first, infrared (or "IR") cameras capture black and white video, losing colour details. And the second, white supplemental lighting, in conventional cameras, keeps a bright light on all through the night. This is wasteful, easy to notice, and in some countries and areas is even subject to restrictions.

But now, Hikvision has a new solution. Smart Hybrid Light Cameras with ColorVu. These new cameras feature amazing low-light performance and just might be a critical addition to your security system.

Meet Smart Hybrid Light Cameras with ColorVu

Hikvision's Smart Hybrid Light Cameras with ColorVu are designed to upgrade security night vision in virtually any setting with always-sharply-focused images and versatile lighting options. Powerful technologies including ColorVu, Super Confocal, Smart Hybrid Lighting, and other functionalities elevate our cameras with amazing reliability and advanced capabilities.

ColorVu technology ensures excellent colour imaging in ultra-low ambient light, even without supplemental lighting.

Smart hybrid lighting helps render colour, black & white, or motion-triggered colour imaging to suit virtually any need in any setting.



AcuSense technology enables classified object detection triggered by a person or vehicle.

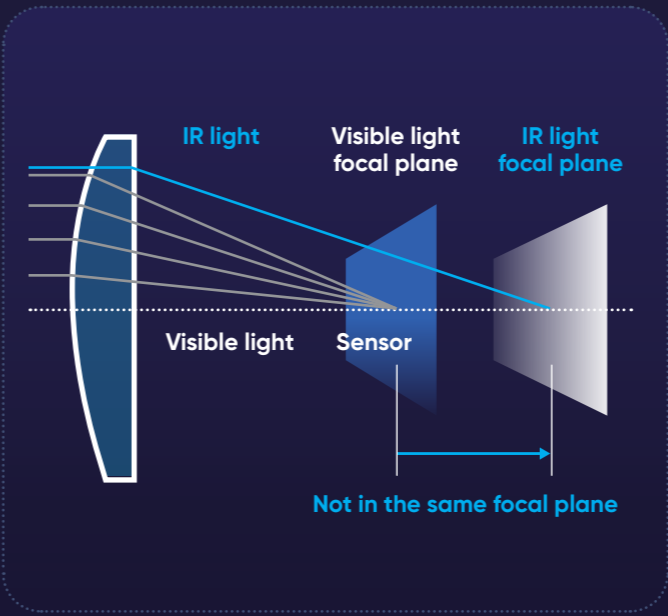
Super confocal lens is designed with precision at the micron level, allowing for master-grade focus and long-lasting, high-definition images with F1.0 large aperture.



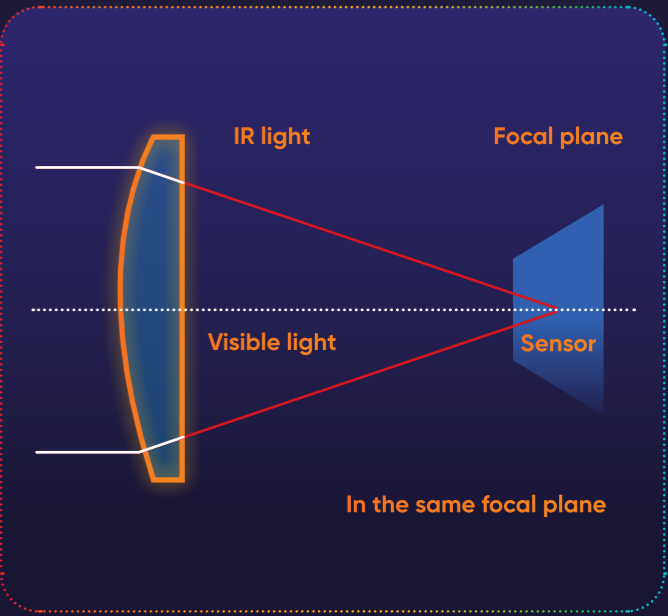
Technical Advantages

Hikvision's Super Confocal Technology allows differing light wavelengths to travel along the same path through a set of specially-designed lenses, overcoming focusing challenges. This ensures clear, sharply-focused imaging with the same set of lenses, either with visible light or infrared light.

Traditional Lens with F1.0 aperture



Hikvision's Super Confocal Lens with F1.0 aperture



Blurred black & white imaging



Stable and clear black & white imaging





Core Benefits

With smart functionalities and powerful technologies, Smart Hybrid Light Cameras with ColorVu create a powerful solution for critical security video monitoring, every hour of the day and night.

Splendid imaging performance

Enjoy splendid night vision boosted by Super Confocal Lens and ColorVu technology. Compared against conventional cameras, these cameras render clearer colour imaging for longer periods of time throughout day and night. Additional lighting gets triggered only during the darkest hours.

ColorVu ensures excellent colourful imaging in ultra-low light.

Super Confocal Lens guarantees master-level focus and long-lasting, high-definition images.

Supplemental light off



Smart hybrid light camera with ColorVu

IR on



Smart hybrid light camera with ColorVu

White light on



Smart hybrid light camera with ColorVu



Conventional camera



Conventional camera

Monitoring in a smarter way

Security Intelligence gets a boost when these cameras are powered by AcuSense classified object detection.



Motion Detection 2.0

Motion Detection 2.0 distinguishes persons and vehicles from other objects in the environment, focusing on real security threats with efficient video searches.



Live Guard

Live Guard deters trespassing with visual and auditory warnings while sending notifications to remote users.
* Please note only select models support this function.

Optimize your security with flexible lighting options

There are three supplemental lighting modes available: infrared, white light, and smart.

IR Mode

The camera uses its IR lighting in darkness, offering black and white imaging.

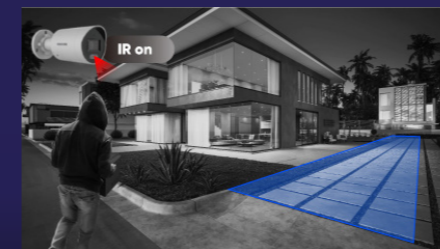
White Light Mode

The camera uses a visible light to ensure continual colour imaging overnight.

Smart Mode

The camera maintains infrared illumination and only employs the visible light when triggered by the detection of a person or vehicle. By switching between 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**.



With just a few steps, it's easy to configure and choose from three lighting modes in multiple ways.



NVR



Mobile app

(Hik-Connect and Hik-Partner Pro)



Web

Suggested Applications

Warehouses / Retail Shops

- Classified object detection using Motion Detection 2.0
- In smart mode, visible supplemental lighting gets triggered by persons or vehicles



Residences

- Light the way for family and guests when they come near the house
- Deter trespassing in real time with key details captured more effectively



City Streets

- Brilliant and vivid imaging in dim environments without supplemental lighting
- No unwanted or unnecessary light pollution



Product showcase

Network cameras

DS-2CD20x762H-LI(U)
Bullet Network Camera



- 4/8 MP
- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8/4 mm lens
- Smart Hybrid Light
- H.265/H.265+
- 130 dB WDR
- Up to 40 m suppl. light range
- IP67

DS-2CD21x762H-LI(SU)
Dome Network Camera



- 4/8 MP
- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8/4 mm lens
- Smart Hybrid Light
- H.265/H.265+
- 130 dB WDR
- Up to 40 m suppl. light range
- IP67

DS-2CD23x762H-LI(U)
Turret Network Camera



- 4/8 MP
- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8/4 mm lens
- Smart Hybrid Light
- H.265/H.265+
- 130 dB WDR
- Up to 40 m suppl. light range
- IP67

DS-2CD27x762HT-LIZS
Dome Network Camera



- 4/8 MP
- 0.0008 lux @ F1.2
- 1/1.8" CMOS sensor
- 2.8-12 mm motorized lens
- Smart Hybrid Light
- H.265/H.265+
- 130 dB WDR
- Up to 40 m suppl. light range
- IP67

DS-2CD26x762HT-LIZS
Bullet Network Camera



- 4/8 MP
- 0.0008 lux @ F1.2
- 1/1.8" CMOS sensor
- 2.8-12 mm motorized lens
- Smart Hybrid Light
- H.265/H.265+
- 130 dB WDR
- Up to 60 m suppl. light range
- IP67

DS-2CD20x762H-LIU/SL
Bullet Network Camera



- 4/8 MP
- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8/4 mm lens
- Smart Hybrid Light
- H.265/H.265+
- 130 dB WDR
- Up to 40 m suppl. light range
- IP67
- Strobe Light & Audio Alarm

DS-2CD23x762H-LISU/SL
Turret Network Camera



- 4/8 MP
- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8/4 mm lens
- Smart Hybrid Light
- H.265/H.265+
- 130 dB WDR
- Up to 40 m suppl. light range
- IP67
- Strobe Light & Audio Alarm

Product showcase

Turbo HD cameras

DS-2CE70DFOT-LMFS
2 MP 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-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 20 m IR distance
- 3D DNR, 130 dB WDR
- Power over Coaxial cable (-E)
- IP67
- Metal

Product showcase

NVRs with AcuSense



DS-7604NXI-K1(/4P)(B)
4 channel NVR with AcuSense



- Up to 4-ch IP cameras inputs
- AI off: Up to 8-ch decoding capability, AI on: up to 6-ch decoding capability
- All channels of Motion Detection 2.0
- 1-ch perimeter protection
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Up to 4K resolution
- Bandwidth: 40 Mbps incoming, 80 Mbps outgoing
- /P: PoE

DS-7608NXI-K2(/8P)
8 channel NVR with AcuSense



- Up to 8-ch IP cameras inputs
- AI off: Up to 12-ch decoding capability, AI on: up to 8-ch decoding capability
- All channels of Motion Detection 2.0
- 2-ch perimeter protection
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Up to 4K resolution
- Bandwidth: 80 Mbps incoming, 160 Mbps outgoing
- /P: PoE

DS-7616NXI-K2(/16P)
16 channel NVR with AcuSense



- Up to 16-ch IP cameras inputs
- AI off: Up to 12-ch decoding capability, AI on: up to 8-ch decoding capability
- All channels of Motion Detection 2.0
- 2-ch perimeter protection
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Up to 4K resolution
- Bandwidth: 160 Mbps incoming, 160 Mbps outgoing
- /P: PoE

DS-7632NXI-K2
32 channel NVR with AcuSense



- Up to 32-ch IP cameras inputs
- AI off: Up to 12-ch decoding capability, AI on: up to 8-ch decoding capability
- All channels of Motion Detection 2.0
- 2-ch perimeter protection
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Up to 4K resolution
- Bandwidth: 256 Mbps incoming, 160 Mbps outgoing

Product showcase

DVRs with AcuSense



iDS-7204HQHI-M1/S
4 Channel DVR with AcuSense



- Motion Detection 2.0 on all 4 channels
- Up to 2-ch perimeter protection
- 3K / 5 MP lite @ 12 fps, 1080p @ 15 fps
- Maximum 6 IP camera inputs (up to 6 MP)

iDS-7208HQHI-M2/S
8 Channel DVR with AcuSense



- Motion Detection 2.0 on all 8 channels
- Up to 4-ch perimeter protection
- 3K / 5 MP lite @ 12 fps, 1080p @ 15 fps
- Maximum 12 IP camera inputs (up to 6 MP)

iDS-7216HQHI-M2/S
16 Channel DVR with AcuSense



- Motion Detection 2.0 on all 16 channels
- Up to 4-ch perimeter protection
- 3K / 5 MP lite @ 12 fps, 1080p @ 15 fps
- Maximum 24 IP camera inputs (up to 8 MP)

iDS-7204HUHI-M1/S
4 Channel DVR with AcuSense



- Motion Detection 2.0 on all 4 channels
- Up to 4-ch perimeter protection
- 8 MP @ 8 fps (channel 1), 3K / 5 MP @ 12 fps
- Maximum 8 IP camera inputs (up to 8 MP)
- PoC (/P)

iDS-7208HUHI-M2/S
8 Channel DVR with AcuSense



- Motion Detection 2.0 on all 8 channels
- Up to 4-ch perimeter protection
- 8 MP @ 8 fps, 3K / 5 MP @ 12 fps
- Maximum 16 IP camera inputs (up to 8 MP)
- PoC (/P)

iDS-7216HUHI-M2/S
16 Channel DVR with AcuSense



- Motion Detection 2.0 on all 16 channels
- Up to 4-ch perimeter protection
- 8 MP @ 8 fps, 3K / 5 MP @ 12 fps
- Maximum 32 IP camera inputs (up to 8 MP)
- PoC (/P)