

# Smart Hybrid Light Cameras with ColorVu

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



Smart Hybrid Light

**ColorVu**  
Technology

IR  White light



**SECURCOM**  
TECHNOLOGIES INC.

Protecting Southern Alberta, One System at a time

**HIKVISION**<sup>®</sup>

[www.hikvision.com](http://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 color details. And the second, supplemental lighting, in conventional cameras, keeps a bright light on all through the night. This is wasteful and even restricted in some areas.

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.



Super Confocal



AcuSense Technology



## 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 color imaging in ultra-low light.



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



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



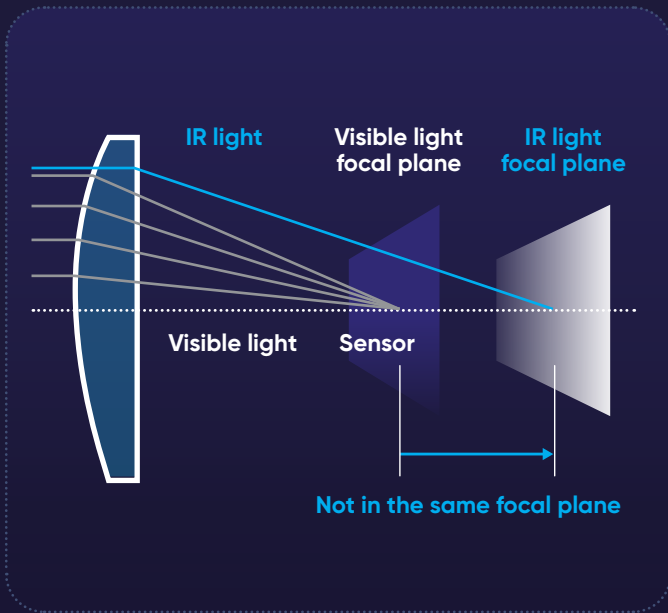
**Super confocal lens** is designed with precision at the micron level, allowing for master-grade focus and long-lasting, high-definition images with F1.0 large aperture.



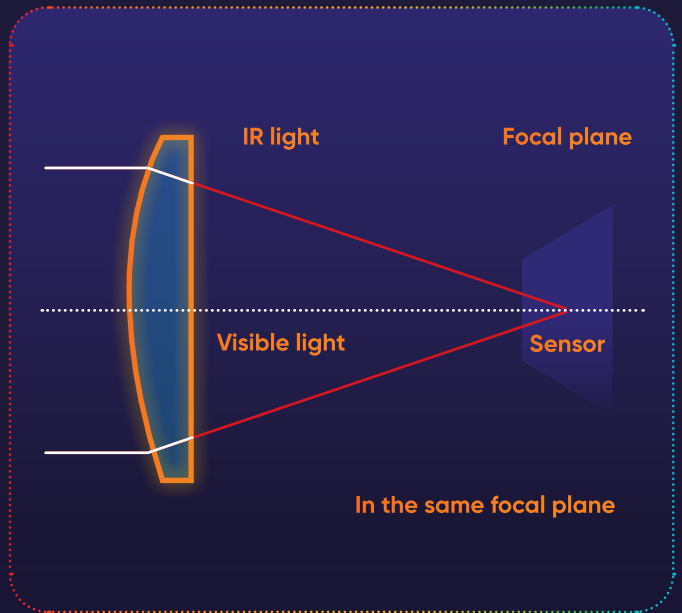
# Technical Advantages

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



**Blurring 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 color imaging for longer periods of time throughout day and night. Additional lighting gets triggered only during the darkest hours.

**ColorVu** ensures excellent colorful imaging in ultra-low light.

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

### 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 color 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 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**.



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



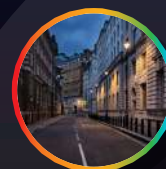
### Residences

- 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.



# ALL NEW COLORVU SMART HYBRID LIGHT CAMERAS

**Illuminate Darkness Perfectly  
with Intelligent Lighting**



Smart Hybrid Light

ColorVu  
Technology

HEOP



### STUNNING LOW LIGHT PERFORMANCE

View incredibly vivid images both day and night, powered by our advanced ColorVu technology. ColorVu delivers striking detail and exceptional clarity, enabling faster identification of search targets.



### CUSTOMIZABLE AND FLEXIBLE LIGHTING FOR INTELLIGENT ILLUMINATION

Explore tailored lighting modes which include covert black and white IR, dynamic full-color, or smart hybrid for adaptive nighttime target detection. This camera series enables you to experience versatile, high-performance security with intelligent illumination to meet your application needs.



### UNMATCHED VERSATILITY, ADVANCED FEATURES

Leverage advanced features such as smart perimeter protection with human/vehicle detection for fast clip searching and people counting for streamlined staff optimization. Utilize Hikvision's Embedded Open Platform (HEOP) for innovative custom video security solutions that adapt to meet unique needs in the marketplace.

## HYBRID LIGHT CAMERA ADVANTAGES



### IMPROVE MONITORING AGILITY WITH SMART HYBRID LIGHTING

Select the perfect lighting mode tailored to your environment. Experience vibrant 24/7 full color, crisp IR (black and white), or adaptive Smart Mode. In Smart Mode, the camera remains in IR, intelligently switching to color imaging upon capturing critical event-triggered details. Elevate your installation with the ultimate versatility and precision.



### SMART INTELLIGENCE FOR VARIOUS APPLICATIONS

Transition seamlessly between dedicated, embedded AI algorithms such as people counting and AcuSense-powered perimeter protection. The Hikvision Embedded Open Platform (HEOP) further enhances the user experience by enabling smooth integration with third-party applications. Uplevel your security with the cutting-edge world of AI-driven security and customization of Smart Hybrid Lighting.



### HD IMAGES, RENDERED PERFECTLY

Immerse yourself in the world of razor-sharp, high-definition imagery with resolutions up to 4K. Our innovative technology ensures consistently clear imaging, capturing every detail with absolute precision. Elevate your monitoring experience with extended full-color capabilities, providing an enhanced, vibrant visual experience like never before.

## HOW SMART HYBRID LIGHTING WORKS



In the absence of a vehicle or person, the camera uses only IR light.



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



Once the vehicle or person leaves, the cameras switch back to IR light automatically.

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## PRODUCT SHOWCASE



DS-2CD3048G2-LISU,  
2.8mm and 4mm

DS-2CD3T48G2-LIS,  
2.8mm and 4mm

DS-2CD3348G2-LISU,  
2.8mm and 4mm

DS-2CD3148G2-LISU, 2.8mm and 4mm  
DS-2CD3648G2T-LIZS, 2.7-13.5mm  
DS-2CD3688G2T-LIZS, 2.7-13.5mm

## VIDEO, SECURITY & BEYOND

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For more information, please scan the QR Code.

For more information about this Special Offer, please contact inside sales at [inside.usa@hikvision.com](mailto:inside.usa@hikvision.com), or contact your local Hikvision representative.

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