

EXPLORE NEW POSSIBILITIES WITH ColorVu TECHNOLOGY

ColorVu + X

HIKVISION

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HIKVISION

A Spectrum of New Possibilities with ColorVu + X

Hikvision's ColorVu technology helps users protect people and property by capturing high-quality, full-colour video 24/7. Now combined with Hikvision's other advanced technology ("X"), performance is elevated to the next level.

"ColorVu+X" delivers unmatched value to the security industry, with more product and solution options than ever. Cameras powered by these technologies render clear imaging with vivid details for video evidence, improved alarm accuracy for real security threats, and video search efficiency, taking security above and beyond what was previously possible. Versatile products and solutions are introduced with optimized performance to tackle common security concerns in residences, office buildings, parking lots and many more.

Cutting-Edge Hardware

Up to F1.0 large aperture and advanced sensors

State-of-the-Art Image Processing

Pioneering ISP technology generates precise colour to reveal clear, vivid images
Up to 130 dB WDR



ColorVu
Technology

Highly Reliable

Hikvision technology guarantees focus performance in the ultra-high-definition ColorVu-enabled products for superior quality.



ColorVu + Panoramic

The whole scene in vivid colour

A 180° view of bright, seamless panoramas and more details



ColorVu + 4K

Capture richer, more colourful details

Crisp and clear imaging along with fluid preview and playback



ColorVu + Live Guard

Proactive protection, day and night

Visual and auditory warnings on-site with real-time notifications



ColorVu + Varifocal

Zoom in with vivid colour

Changeable focal lengths for more scenarios



ColorVu + Deep Learning

Smarter detection around the clock

Taking alarm accuracy and search efficiency to a whole new level



ColorVu + Solar

Solar and 4G to solve remote limitations

Solar panel and 4G connection to solve the remote site limitations



ColorVu + Thermal

Perimeter Detection and Temperature Measurement

Thermal imaging for accurate perimeter protection and temperature measurement

HIKVISION

ColorVu + Panoramic

The whole scene in vivid colour

Challenges

Large areas are extremely difficult to secure, often requiring multiple cameras to provide full coverage within a single view. With traditional cameras, monitoring these kinds of areas becomes even more difficult – if not impossible – at night or in low light conditions.

Solutions

To address all of these challenges, Hikvision has integrated ColorVu into its industry-leading panoramic cameras, to stitch together images from two side-by-side lenses for a seamless, 180-degree horizontal view.

- Reduced equipment requirements (fewer cameras needed to cover large areas)
- Improved situational awareness without blind spots
- Every detail captured in full colour – even in the dark

Dual lens,
fusion imaging



Pixel-level
image matching

1

2

Brightness and
color processing

180° panoramic view, seamless imaging

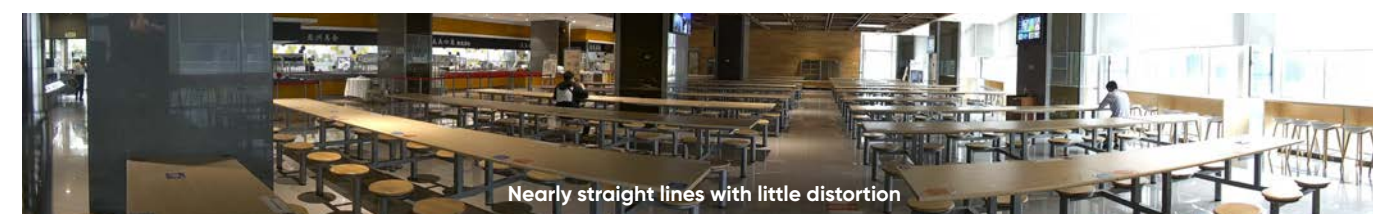


Left lens image

Right lens image



The seamless fusion of images in one shot



Nearly straight lines with little distortion
Minor distortion near the edges of an image enables a view similar to that of the human eye



4K resolution with 180° field of view provides wider, clearer imaging with rich details, even at night

Urban Roadways

ColorVu + 4K

Capture richer, more colourful details

Challenges

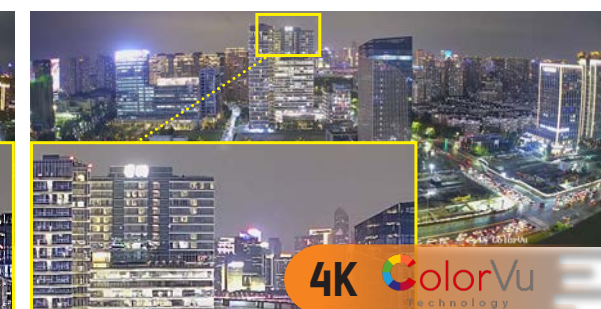
Traditional cameras may lack the resolution needed to provide clear, full-colour video or imaging in lower light conditions.

Solutions

Hikvision has overcome this challenge by integrating ColorVu technology into advanced 4K cameras, delivering clear and crisp imaging, fluid footage preview and playback, and enhanced colour imaging in low light conditions and at night in outdoor areas. The 4K resolution provides great details, especially suitable for open spaces and large scenes.



2MP ColorVu
Technology



4K ColorVu
Technology

ColorVu + Live Guard

Proactive protection, day and night

Challenges While most security systems can detect intrusions and other security incidents, goods and properties can still be lost or damaged before teams can respond.

Solutions Hikvision addresses these issues by integrating ColorVu technology with Live Guard sound and light alarms into selected camera models. While ColorVu technology captures detailed video footage of security incidents in high resolution and full colour, Live Guard visual and auditory warnings let trespassers know they have been detected, deterring them from entering a site or building. Notifications can also be sent to homeowners, business owners, or security teams in real time, supporting faster, more effective responses.

Simple and seamless integration with NVR and Hik-Connect

- 10 embedded + 3 customized audios to select
- Customizable audio recording and uploading via Hik-Connect
- Mute/unmute Live Guard notifications and alerts on Hik-Connect
- Turn on/off visual and auditory warnings with a few taps via Hik-Connect



Various Applications of Live Guard



Residential

Please leave the parcel at front door!

Private area! No parking!



Factories

Restricted area! Please keep away!



Shops

Welcome!



Railway Stations

Mind the gap!

ColorVu + Varifocal

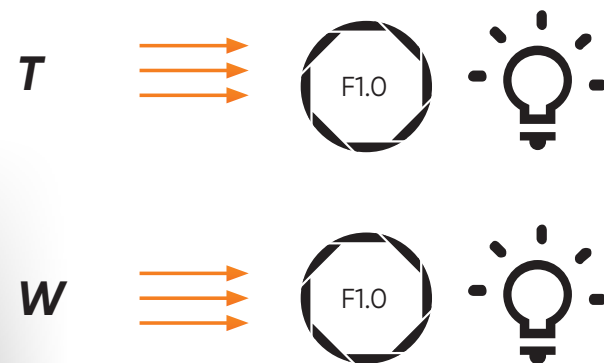
Zoom in with vivid colour

Challenges Historically, designing long focal length with large-aperture lenses was a challenge because correcting the optical aberrations and distortion that arise from large apertures requires complex designs. Therefore, most typical varifocal lenses are relatively small, and when focal length increases, the aperture becomes smaller. This way the lens may not let enough light in, causing darker imaging when the environment is not bright enough.

Solutions Hikvision's self-developed varifocal lenses with ColorVu technology provide a fixed, large, F1.0 aperture in a compact form factor. The industry-leading design keeps the lens size just right for precise focus, reducing weight and consumer costs. ColorVu + Varifocal guarantees brightness and full colour as the camera zooms in and out.

Hikvision's proprietary fixed

F1.0 large aperture varifocal lens



Brightness unaffected while zooming in or out

ColorVu + Deep Learning

Smarter detection around the clock

Challenges Often, security systems are unable to differentiate between moving objects, such as falling leaves, heavy rain, and moving animals, versus real security threats, such as people breaching a site perimeter.

Solutions Hikvision has integrated ColorVu into its AI-powered cameras with AcuSense. These reliably identify real security threats, such as human beings and vehicles, and send alerts to security teams in real time. Meanwhile, false alarms are minimized, reducing workloads and costs and increasing efficiency. With ColorVu and AcuSense technologies, users get intelligent, proactive security, with high-resolution, the combination of colour video imaging.



Combining ColorVu and AcuSense technology allows users to receive human & vehicle alarms and to search human or vehicle events with vivid, colourful details, providing more reliable security.

ColorVu + Solar

Solar and 4G to solve remote limitations

Challenges The limitations of some remote sites include: power or internet limitations, high cost or impossible for running wires.

Solutions Hikvision has integrated the security camera with a Solar panel and 4G connection to solve the remote site limitations. The solar camera is also integrated with ColorVu technology, since most remote sites will face dark environments at night.

Traditional IR technology will only provide black & white imaging and miss the colour information from the footage. ColorVu + Solar provides a full remote solution for your coloured footage 24/7!



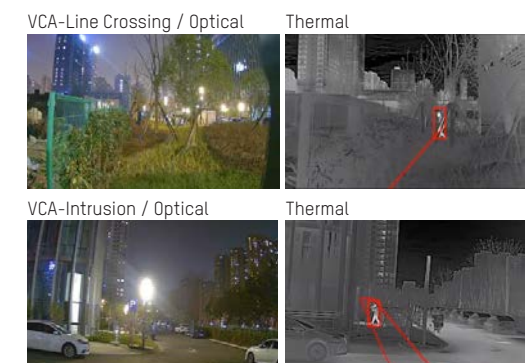
ColorVu + Thermal

See the unseen with more colorful details 24/7

Challenges Conventional thermal camera is relatively expensive and unaffordable for some scenarios such as value store, small office buildings and high-end residences. However, there is still a demand for thermal cameras in these scenarios, which can be used for better protection all around in harsh conditions such as strong reflections and fog.

Solutions We launched this affordable thermal bullet for these scenarios. And we have also empowered ColorVu technology on this bullet to provide colorful and detailed images. Dual-lens cameras with Thermal and ColorVu provide unmatched monitoring where accidents occur and illuminate dark areas to reduce risks and improve safety for these scenarios.

- The thermal imaging camera can ignore the influence of strong light, reflection, fog and other extreme conditions, and accurately trigger the alarm when someone breaks into the area.
- ColorVu technology helps to provide color images to assist suspect identification when needed.



Network Cameras with ColorVu

New Release

DS-2SE4C425MWG-E/26(F0) TandemVu PTZ



- [Bullet channel]: 1/2.5" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS
- [Bullet channel]: 3632 × 1632, [PTZ channel]: 2560 × 1440
- [Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light;
- [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265+/H.265+
- 4MP 25X Optical Zoom, 6MP 16X Digital Zoom
- 4.8-120mm, 2.8mm
- IR, [Panoramic channel] white light
- 24/7 colourful imaging
- Face Capture, Perimeter Protection, ANR, Dual-VCA

New Release

DS-2SE7C432MWG-EB/26(F0) TandemVu PTZ



- [Panoramic channel] 1/2.5" Progressive Scan CMOS, [PTZ channel] 1/2.8" Progressive Scan CMOS
- H.265+/H.265+
- 4MP 32X Optical Zoom, 6MP 16X Digital Zoom
- 5.9-188.8mm, 2.8mm
- IR, [Panoramic channel] white light
- 24/7 colourful imaging and excellent low-light performance with DarkFighter technology
- Smart Tracking, Panorama linkage, tracking takeover, track in turn

New Release

DS-2SF8C442MXG-ELW/26(F0) TandemVu PTZ (one)



- [Panoramic channel] 1/1.8" Progressive Scan CMOS, [PTZ channel] 1/1.8" Progressive Scan CMOS
- [PTZ channel] Color: 0.0005 Lux @ (F1.3, AGC ON), B/W: 0.0001 Lux @ (F1.3, AGC ON), 0 lux with IR, [Panoramic channel] Color: 0.0005 Lux @ (F1.4, AGC ON), B/W: 0.0001 Lux @ (F1.4, AGC ON), 0 Lux with light
- H.265+/H.265+
- 4MP 42X Optical Zoom, 6MP 16X Digital Zoom
- 6-252mm, 2.8mm
- IR, white light
- 24/7 colourful imaging and excellent low-light performance with DarkFighter technology
- Smart Tracking and Smart Linkage/tracking takeover, linked tracking capture]

New Release

DS-2XS2T4761-LDH/4G/C18S40 4MP ColorVu Solar-powered Security Camera



- High-quality imaging with 4 MP resolution
- Available in 4mm
- 1/3" Progressive CMOS
- Standalone with solar panel and built-in battery
- 24/7 colourful imaging
- Supports Human Detection
- Efficient H.265+ compression technology
- Provide real-time security via built-in two-way audio
- Water and dust resistant (IP67)
- Stability against category 12 typhoon
- Supports 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication

New Release

DS-2XS6A8761-LS/C36S80 8MP ColorVu Solar-powered Security Camera



- High-quality imaging with 3840 × 2160 @ 15 fps resolution
- Available in 2.8mm and 4mm
- 1/1.2" Progressive Scan CMOS
- 24/7 colourful imaging
- Clear imaging against strong backlight due to 130 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- 80 W photovoltaic panel, 360WH chargeable lithium battery
- Supports battery management, battery display, battery high-low temperature protection, charge-discharge protection, low-battery sleep protection and remote wakeup
- LTE-TDD/LTE-FDD/WCDMA/GSM 4G wireless network transmission, support Micro SIM card
- Camera: Water and dust resistant (IP67)
- Built-in 64 GB eMMC storage

New Release

DS-2TD2608-1/QA DS-2TD2608-2/QA ColorVu + Thermal



- Thermal: 96 × 72 resolution, 12 μm
- Optical: 4MP 2688 x 1520 resolution
- Warm light supplement, less light pollution
- White Light Range: Up to 30m
- Strobe light and audio warning
- Built-in speaker
- Perimeter protection: accurate detection and vehicle & human classification

New Release

iDS-2CD754760/P-XZHS(Y) ColorVu LPR



- Colour: 0.0003 Lux/F1.0
- 1/1.8" CMOS Sensor
- 2.8 to 12mm vari-focal
- Colorful imaging 24/7
- Human/vehicle classification
- License plate recognition
- H.265+/H.265
- IP67
- 140dB WDR
- Built-in Microphone and Speaker
- -Y: moderate protection

DS-2CD234762-LSU/SL DS-2CD238762-LSU/SL 4K Turret Network Camera



- 0.0005 lux @ F1.0
- 1/1.2" or 1/1.8" CMOS sensor
- 2.8 or 4 mm fixed lens
- Colorful imaging 24/7
- Human/vehicle classification
- Strobe light and audio alarm
- H.265+/H.265
- IP67 / 130 dB WDR
- Built-in microphone and speaker
- Alarm I/O 1/1, audio I/O 1/1
- Black housing available

DS-2CD264762T-LZS 4 MP 1/1.8" Bullet Network Camera



- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8 - 12 mm motorized varifocal lens
- Colorful imaging 24/7
- Human/vehicle classification
- H.265+/H.265
- IP67, IK10
- 130 dB WDR
- Alarm I/O 1/1, audio I/O 1/1

Network Cameras with ColorVu



DS-2CD238762P-LSU/SL 4K 1/1.8" Panoramic Turret Network Camera



- 0.0005 lux @ F1.0
- 2 x 1/1.8" CMOS sensor
- 4 mm dual lens
- Colorful imaging 24/7
- Human/vehicle classification
- Strobe light and audio alarm
- H.265+/H.265
- IP67
- 130 dB WDR
- Built-in microphone and speaker
- Alarm I/O 1/1, audio I/O 1/1



DS-2CD2T8762P-LSU/SL 4K 1/1.8" Panoramic Bullet Network Camera



- 0.0005 lux @ F1.0
- 2 x 1/1.8" CMOS sensor
- 4 mm dual lens
- Colorful imaging 24/7
- Human/vehicle classification
- Strobe light and audio alarm
- H.265+/H.265
- IP67
- 130 dB WDR
- Built-in microphone and speaker
- Alarm I/O 1/1, audio I/O 1/1



DS-2CD274762T-LZS 4 MP 1/1.8" Dome Network Camera



- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8 - 12 mm motorized vari focal lens
- Colorful imaging 24/7
- Human/vehicle classification
- H.265+/H.265
- IP67, IK10
- 130 dB WDR
- Alarm I/O 1/1, audio I/O 1/1



DS-2CD238762-L(U) DS-2CD234762-L(U) 4K 1/1.2" Turret Network Camera



- 0.0005 lux @ F1.0
- 1/1.2" or 1/1.8" CMOS sensor
- 2.8 or 4 mm fixed lens
- Colorful imaging 24/7
- Human/vehicle classification
- H.265+/H.265
- IP67 / 130 dB WDR
- -U: built-in microphone
- Black housing available



DS-2CD208762-L(U) 4K 1/1.2" Bullet Network Camera



- 0.0005 lux @ F1.0
- 1/1.2" CMOS sensor
- 2.8, 4 or 6 mm fixed lens
- Colorful imaging 24/7
- Human/vehicle classification
- H.265+/H.265
- IP67
- 130 dB WDR
- -U: built-in microphone



DS-2CD234762-L(U) ColorVu DeepinView Series



- 1/1.8" CMOS Sensor
- 2.8 to 12mm vari-focal
- Colorful imaging 24/7
- Human/vehicle classification
- License plate recognition
- H.265+/H.265
- IP67
- 140dB WDR
- Built-in Microphone and Speaker
- -Y: moderate protection



DS-2CD214762-L(SU) 4 MP 1/1.8" Dome Network Camera



- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 2.8 or 4 mm fixed lens
- Colorful imaging 24/7
- Human/vehicle classification
- H.265+/H.265
- IP67, IK10
- 130 dB WDR
- -SU: built-in microphone,
- Alarm I/O 1/1, audio I/O 1/1



DS-2CD2T4762-L DS-2CD2T8762-L 4 MP Bullet Network Camera



- 0.0005 lux @ F1.0
- 1/1.2" or 1/1.8" CMOS sensor
- 2.8, 4 or 6 mm fixed lens
- Colorful imaging 24/7
- Human/vehicle classification
- H.265+/H.265
- IP67
- 130 dB WDR



DS-2DE3A400BW-DE(F1)(T5) 4 MP 1/1.8" Fixed Network PT Camera



- 0.0005 lux @ F1.0
- 1/1.8" CMOS sensor
- 4 mm fixed lens
- Pan: 350°, tilt: 0° to 90°
- Colorful imaging 24/7
- Human/vehicle classification
- Strobe light and audio alarm
- H.265+/H.265
- IP66
- 120 dB WDR



DS-2CD2T8762-LSU/SL DS-2CD2T4762-LSU/SL 4 MP Bullet Network Camera



- 0.0005 lux @ F1.0
- 1/1.2" or 1/1.8" CMOS sensor
- 2.8, 4 or 6 mm fixed lens
- Colorful imaging 24/7
- Human/vehicle classification
- Strobe light and audio alarm
- H.265+/H.265
- IP67
- 130 dB WDR
- Built-in microphone and speaker
- Alarm I/O 1/1, audio I/O 1/1

