

Carving a colorful world

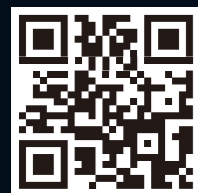
Colorhunter Technology Introduction & Product Family



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olorHunter 2.0

Carving a colorful world

Technology Introduction + Product Family



Challenges

Most crimes occur at night, which provides more convenient conditions for criminals. In video security, color-related information is crucial to identify events details especially at night. But in the low light, people, vehicles can easily hide in the background, which makes it difficult to distinguish critical elements.

What's ColorHunter 2.0

Uniview is committed to enhancing users' image experience in dark environments, ensuring they can obtain a 24/7 colorful and sharp image. Building upon the success of ColorHunter low-light imaging technology, Uniview has now introduced the more inclusive and powerful ColorHunter 2.0 technology. This technology is designed to capture deeper, wider, and finer colors in various dark environments, delivering vivid and detailed videos for everyone and providing a more flexible user experience.

Wise-ISP

Smart Dual Light

Warm Light

ColorHunter with Wise-ISP

5th Gen NightView Tech First in Industry

The hardware has reached the upper limit of image enhancement

StarLight
1-Gen

IR Light
2-Gen

LightHunter
3-Gen

ColorHunter
4-Gen

FSI

BSI

BSI

1/1.8
BSI

F2.0

F1.6

F1.2

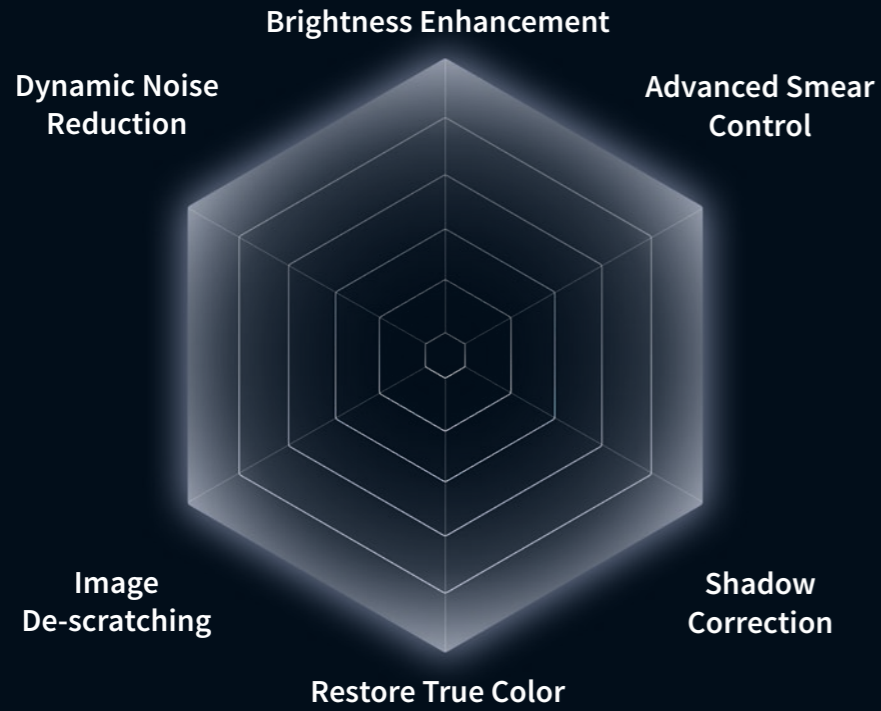
F1.0

Here comes
5th-Gen
Nightview Tech

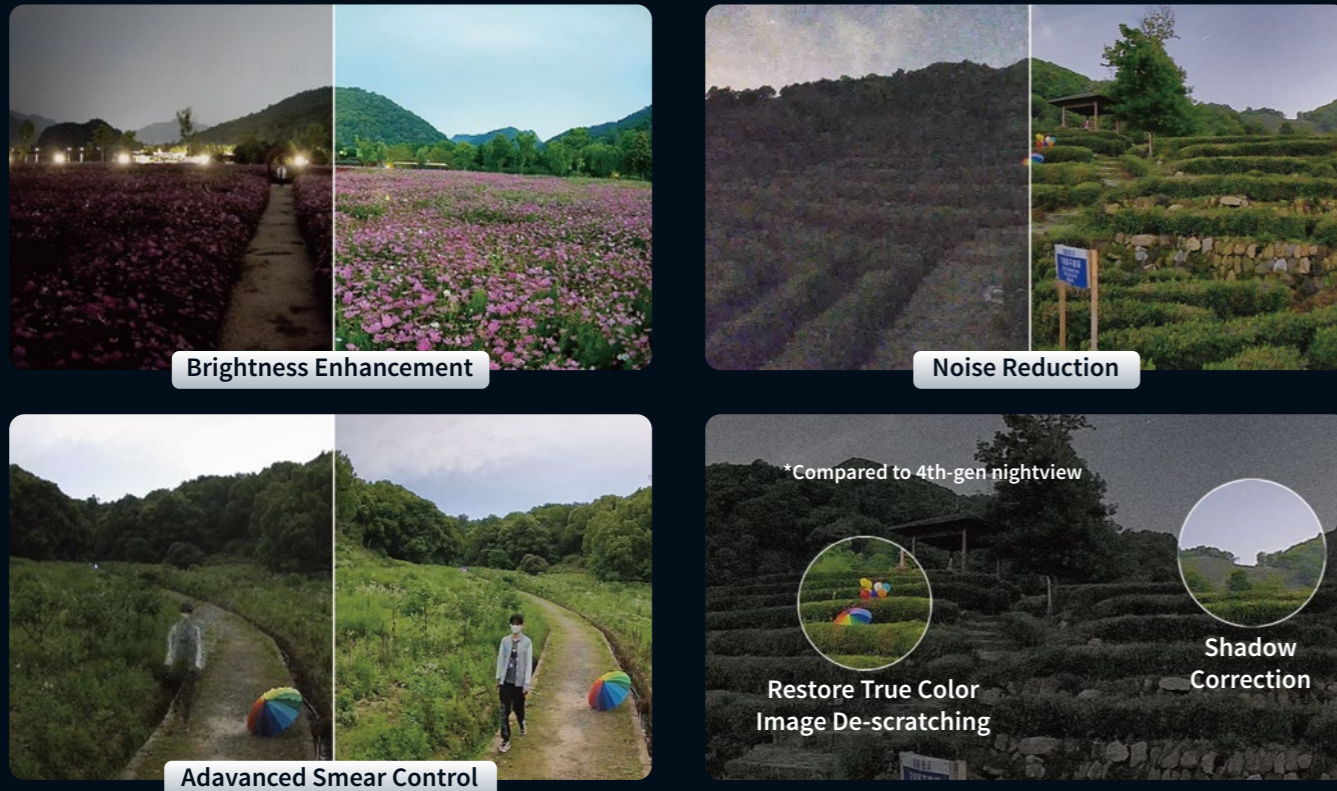
ColorHunter
Wise-ISP

First & Exclusive in Industry

Great Image Improvement Through Software



Wise-ISP For Extreme Image Enhancement



Compared to the full-color technology of fourth-generation night vision in the industry, Wise-ISP technology delivers brighter images, more vivid colors, and significantly less noise and smearing, even in extremely low light conditions without activating LED lights.

Secrets behind Wise-ISP

UNV Self-developed Large Model Engine

First & only in industry to apply model engine for image processing



200+

industrial scenarios covered

Billions of image training data



Nightview
main pain points

Solved main pain points of nightview images



15↑
times

Faster training speed
Rapid algorithm upgrade

Value

Full-Screen Full-Color at Night

Supplemental lighting can cause a loss of color information at a distance. With Wise-ISP, every detail remains vividly colored, even from afar.



Traditional Full-color Camera with LED on



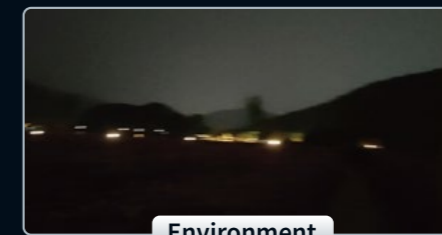
OwlView Camera with Wise-ISP tech

Colorful Image Without LED on

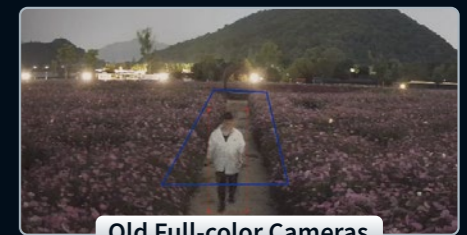
Wise-ISP technology minimizes the sense of being monitored, and still get colorful image.



Camera with Wise-ISP



Environment



Old Full-color Cameras

Application Scenarios



Park



Farm (Rural areas)



Community



Alley/Streets
(no lights)

Product Family



F1.0 Aperture

Increase 4X more light
input than F2.0



Up to 1/1.8\"/>

Sense 180% more light
than 1/2.8\"/>



SIP Lite

Intrusion & crossline
powered by human &
vehicle detection



Ultra Motion Detection (UMD)

Powered by human &
vehicle detection



IPC2312LE-ADF28(40)KM-WP

- 1/2.7\"/>



IPC2314LE-ADF28(40)KM-WP

- 1/1.8\"/>



IPC2318LE-ADF28(40)KM-WP

- 1/1.8\"/>



IPC3522LE-ADF28(40)K-WP

- 1/2.7\"/>



IPC3524LE-ADF28(40)K-WP

- 1/1.8\"/>



IPC3528LE-ADF28(40)K-WP

- 1/1.8\"/>



IPC3622LE-ADF28(40)K-WP

- 1/2.7\"/>



IPC3624LE-ADF28(40)K-WP

- 1/1.8\"/>



IPC3628LE-ADF28(40)K-WP

- 1/1.8\"/>



IPC245LP-ADF40(60)KC-WP

- 1/1.8\"/>

Product Family

wlView Plus



Better 4K
Night Vision



SIP with
Color Retrieval



Auto Scene
Match



130dB WDR



People
Counting



Object Left /
Remove Detection



More Professional
Full Metal Housing (IK10)



Full Tail-line

wlView Ultra



Multi-target
Detection



License Plate
Capture



8-32mm Longer
Range VF Lens



4K 60fps High
Frame Rate



Built-in
2 Mics



140dB
WDR

IPC2B14SE-ADF28(40)K-WP-I1



- 1/1.8" CMOS sensor
- 4MP 2688 × 1520 30 fps
- F1.0 aperture
- 130dB true WDR
- Built-in mic & SD card slot
- Warm light up to 40m (131ft)
- Audio/Alarm I/O
- SIP with color retrieval
- Auto Scene Match
- People counting
- IP67 & IK10
- Wise-ISP night vision

IPC2B18SE-ADF28(40)K-WP-I1



- 1/1.2" CMOS sensor
- 8MP 3840 × 2160 30 fps
- F1.0 aperture
- 130dB true WDR
- Built-in mic & SD card slot
- Warm light up to 40m (131ft)
- Audio/Alarm I/O
- SIP with color retrieval
- Auto Scene Match
- People counting
- IP67 & IK10
- Wise-ISP night vision

IPC264EA-AHDZ(X4)K-I1



- 1/1.8" CMOS sensor
- 4MP 2688 × 1520 60 fps
- P-Iris with aperture F1.2 Max
- 2.8-12mm/8-32mm VF lens
- 140dB true WDR
- Built-in 2 mics & SD card slot
- IR up to 120m (393.7ft)
- Audio/Alarm I/O
- Multi-target detection
- License plate capture
- IP67 & IK10
- Wise-ISP night vision

IPC268EA-AHDZ(X4)K-I1



- 1/1.8" CMOS sensor
- 8MP 3840 × 2160 60 fps
- P-Iris with aperture F1.2 Max
- 2.8-12mm/8-32mm VF lens
- 140dB true WDR
- Built-in 2 mics & SD card slot
- IR up to 120m (393.7ft)
- Audio/Alarm I/O
- Multi-target detection
- License plate capture
- IP67 & IK10
- Wise-ISP night vision

IPC3634SE-ADF28(40)K-WP-I1



- 1/1.8" CMOS sensor
- 4MP 2688 × 1520 30 fps
- F1.0 aperture
- 130dB true WDR
- Built-in mic & SD card slot
- Warm light up to 40m (131ft)
- Audio/Alarm I/O
- SIP with color retrieval
- Auto Scene Match
- People counting
- IP67 & IK10
- Wise-ISP night vision

IPC3638SE-ADF28(40)K-WP-I1



- 1/1.2" CMOS sensor
- 8MP 3840 × 2160 30 fps
- F1.0 aperture
- 130dB true WDR
- Built-in mic & SD card slot
- Warm light up to 40m (131ft)
- Audio/Alarm I/O
- SIP with color retrieval
- Auto Scene Match
- People counting
- IP67 & IK10
- Wise-ISP night vision

IPC3234EA-AHDZ(X4)K-I1



- 1/1.8" CMOS sensor
- 4MP 2688 × 1520 60 fps
- P-Iris with aperture F1.2 Max
- 2.8-12mm/8-32mm VF lens
- 140dB true WDR
- Built-in 2 mics & SD card slot
- IR up to 40m (131ft)
- Audio/Alarm I/O
- Multi-target detection
- License plate capture
- IP67 & IK10
- Wise-ISP night vision

IPC3238EA-AHDZ(X4)K-I1



- 1/1.8" CMOS sensor
- 8MP 3840 × 2160 60 fps
- P-Iris with aperture F1.2 Max
- 2.8-12mm/8-32mm VF lens
- 140dB true WDR
- Built-in 2 mics & SD card slot
- IR up to 40m (131ft)
- Audio/Alarm I/O
- Multi-target detection
- License plate capture
- IP67 & IK10
- Wise-ISP night vision

ColorHunter with Smart Dual Light

Smart IR & Warm Light Switching, Adaptable to Various Scenarios

At night, when images are dark, most traditional IP cameras rely on IR lighting to capture images in low-light conditions. However, this only produces monotonous black-and-white images, making it difficult to capture clear details. While warm lighting provides color images, it increases power consumption and contributes to light pollution. Users urgently need IP cameras that deliver colorful, energy-efficient, and environmentally friendly solutions. UNV ColorHunter with Smart Dual Light Technology, addresses these needs by intelligently and flexibly adjusting lighting according to the scene.

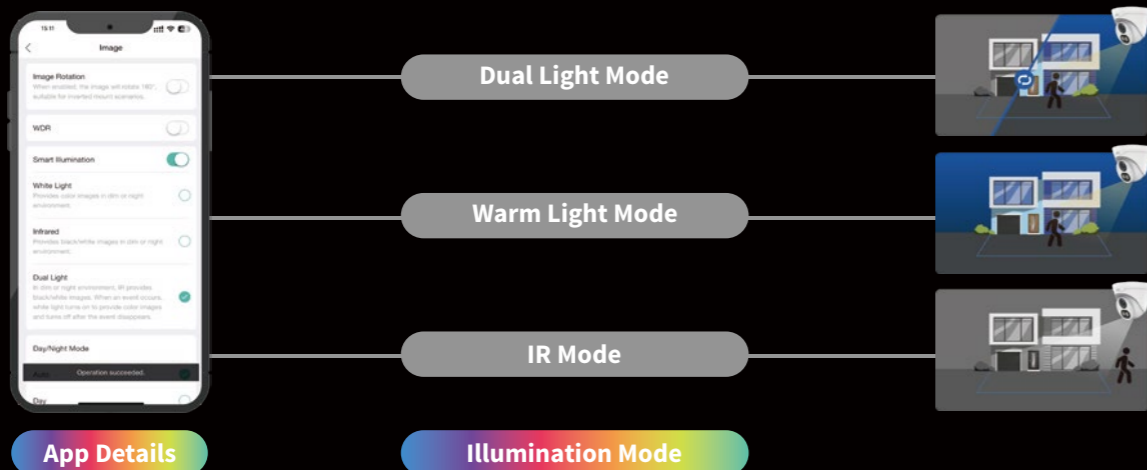
Smart Illumination

Use Ultra Motion Detection technology for precise Human/Vehicle detection, enjoy color recording when target is detected, and invisible guardianship when no events.



App

Remotely manage camera illumination anywhere, anytime.



Ultra Motion Detection

Ultra Motion Detection can accurately detect people and motor vehicles within 20 meters, with a detection rate of over 90%, and can filter other objects, effectively reducing false alarm.



Full screen configuration

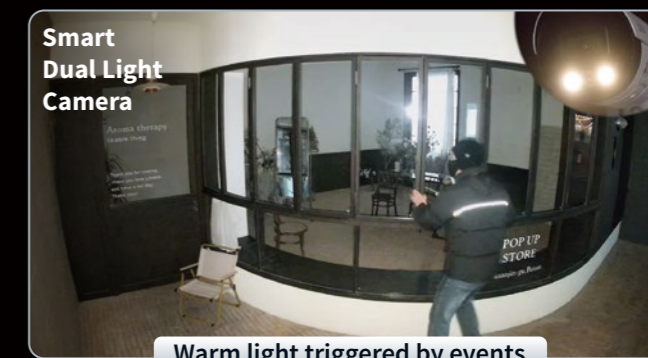
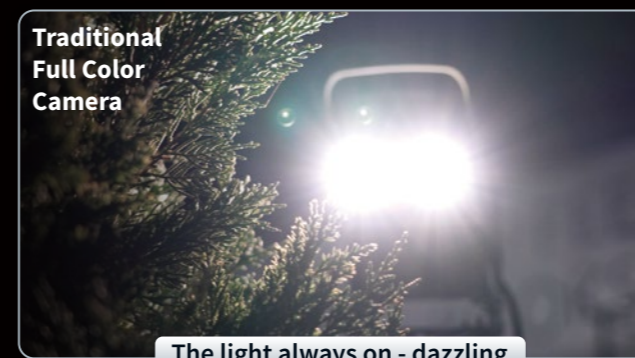
20m+
Detection distance

90%+
Detection rate

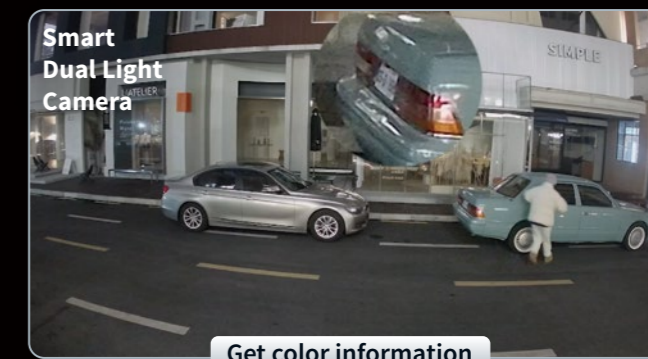
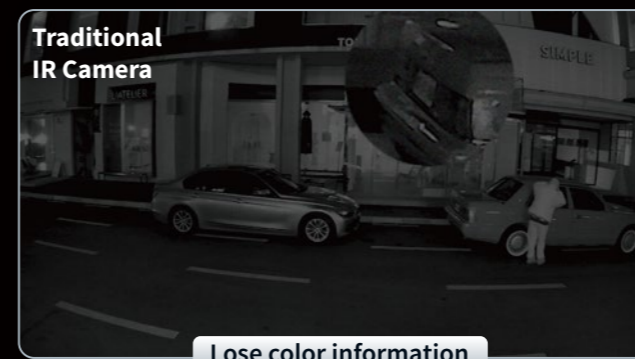
Value

Reduce light pollution

Reduce light pollution caused by constant illumination from IPC at night.



Never miss colorful details of human & vehicle



Product Family

EASYBASIC



Dual-light



Human Body
Detection 2.0

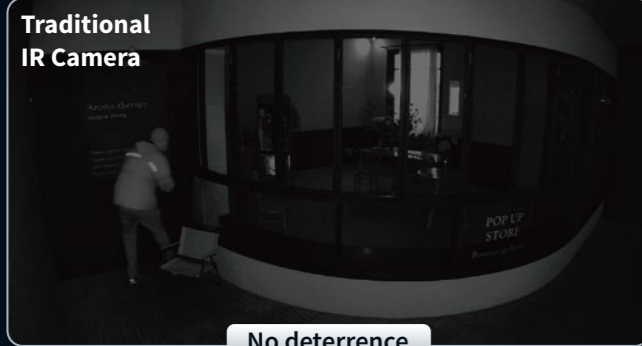


Built-in
Mic



SD Card
Slot

Detect intruders in real time



No deterrence



When an event is detected, warm lights
turn on to deter the intruder

Application Scenarios



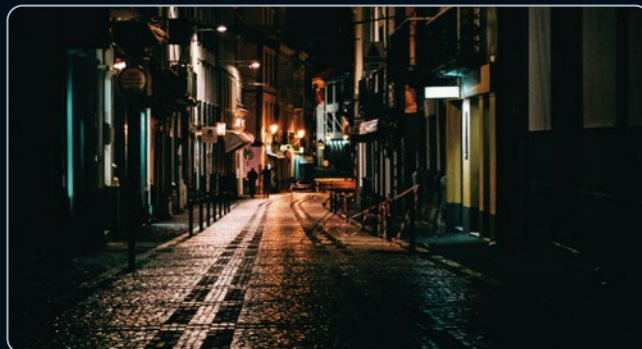
Villa

In poorly light villas, it can also serve as a streetlight



Warehouse

In poorly lit warehouses, it can also function as a lighting fixture



Alley

Excellent color performance in low-light environments



Store

After the store closes, it can effectively warn potential thieves

IPC2122LB-AF28(40)K-DL



- 1/2.9" CMOS sensor
- 2MP 1920 × 1080 30 fps
- Color: 0.005 lux @ F1.6
- Built-in mic & SD card slot

- IR & warm light up to 30m (98ft)
- Human body detection
- IP67

IPC2124LB-AF28(40)K-DL



- 1/3.0" CMOS sensor
- 4MP 2560 × 1440 25 fps
- Color: 0.005 lux @ F1.6
- Built-in mic & SD card slot

- IR & warm light up to 30m (98ft)
- Ultra motion detection
- IP67

IPC3612LB-AF28K-DL



- 1/2.9" CMOS sensor
- 2MP 1920 × 1080 30 fps
- Color: 0.005 lux @ F1.6
- Built-in mic & SD card slot

- IR & warm light up to 30m (98ft)
- Human body detection
- IP67

IPC3614LB-AF28K-DL



- 1/3.0" CMOS sensor
- 4MP 2560 × 1440 25 fps
- Color: 0.005 lux @ F1.6
- Built-in mic & SD card slot

- IR & warm light up to 30m (98ft)
- Ultra motion detection
- IP67

Product Family



Dual-light



Ultra Motion Detection



Two-way Audio



120dB WDR



IPC2122LE-ADF28(40)KMC-DL

- 1/2.8" CMOS sensor
- 2MP 1920 × 1080 30 fps
- Color: 0.003 lux @ F1.6
- 120dB true WDR
- Built-in mic, speaker & SD card slot
- IR & warm light up to 30m (98ft)
- Ultra motion detection
- Cross line & intrusion detection
- IP67



IPC2124LE-ADF28(40)KMC-DL

- 1/3.0" CMOS sensor
- 4MP 2688 × 1520 25 fps
- Color: 0.003 lux @ F1.6
- 120dB true WDR
- Built-in mic, speaker & SD card slot
- IR & warm light up to 30m (98ft)
- Ultra motion detection
- Cross line & intrusion detection
- IP67



IPC2128LE-ADF28(40)KMC-DL

- 1/2.8" CMOS sensor
- 8MP 3840 × 2160 20 fps
- Color: 0.005 lux @ F1.6
- 120dB true WDR
- Built-in mic, speaker & SD card slot
- IR & warm light up to 30m (98ft)
- Ultra motion detection
- Cross line & intrusion detection
- IP67



IPC3612LE-ADF28(40)KC-DL

- 1/2.8" CMOS sensor
- 2MP 1920 × 1080 30 fps
- Color: 0.003 lux @ F1.6
- 120dB true WDR
- Built-in mic, speaker & SD card slot
- IR & warm light up to 30m (98ft)
- Ultra motion detection
- Cross line & intrusion detection
- IP67



IPC3614LE-ADF28(40)KC-DL

- 1/3.0" CMOS sensor
- 4MP 2688 × 1520 25 fps
- Color: 0.003 lux @ F1.6
- 120dB true WDR
- Built-in mic, speaker & SD card slot
- IR & warm light up to 30m (98ft)
- Ultra motion detection
- Cross line & intrusion detection
- IP67



IPC3618LE-ADF28(40)KC-DL

- 1/2.8" CMOS sensor
- 8MP 3840 × 2160 20 fps
- Color: 0.005 lux @ F1.6
- 120dB true WDR
- Built-in mic, speaker & SD card slot
- IR & warm light up to 30m (98ft)
- Ultra motion detection
- Cross line & intrusion detection
- IP67

ColorHunter with Warm Light

Enjoy 24/7 Clear & Colorful World with Cozy & Warm Light

Friendly Lighting LEDs

Warm light LEDs provide a soft glow that's easy on the eyes and minimizes light pollution, enhancing the ambiance with a natural, soothing light. These warm light LEDs preserve colors faithfully, even in dim settings, making them ideal for a comfortable and authentic lighting experience.



Smart Illumination

During the night, when no event, the IP camera's warm light provides a minimal level of illumination. When events detected, the illumination is instantly enhanced, thus improving visibility and offering clear details. As soon as the object departs from the monitored zone, the light elegantly dims back to its prior soft level.



Product Family

IPC2122LB-AF28(40)K-WL



- 1/2.9" CMOS sensor
- 2MP 1920 × 1080 30 fps
- Color: 0.005 lux @ F1.6
- Built-in mic & SD card slot
- Warm light up to 30m (98ft)
- Motion detection, audio detection
- IP67

IPC3612LB-AF28K-WL



- 1/2.9" CMOS sensor
- 2MP 1920 × 1080 30 fps
- Color: 0.005 lux @ F1.6
- Built-in mic & SD card slot
- Warm light up to 30m (98ft)
- Motion detection, audio detection
- IP67