Full-Color Video into the Night

alhua TECHNOLOGY
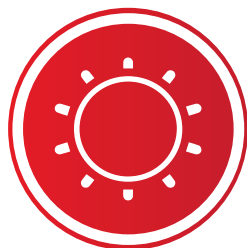
NIGHT COLOR 2.0

Monitor low-light scenes in full-color*

View full-color video without extra illumination that attracts insects.**

Communicate commands in real-time with the built-in microphone and speaker*

Dual black and white and visible sensors for better saturation and higher contrast**

*All Night Color models   **N45DUD2 Only

Dahua's Night Color 2.0 cameras are the ideal addition for producing full-color video in low-light conditions. With built-in white-light LEDs to illuminate dark scenes, this technology also acts as a deterrent. Once the lux levels start to drop, the white-light LEDs turn on and stay on until the lux levels rise, such as at sunrise.

Dahua offers network 4MP fixed-focal and vari-focal lens and 8MP fixed-focal lens options. Additionally, HDCVI 2MP and 8MP fixed-focal lens and 5MP fixed-focal and vari-focal lens options are available.

4K FULL-COLOR IMAGE

4K IR IMAGE

4K COLOR IMAGE

Night Color 2.0 cameras offer 4K resolution for ultra high-definition images. 4K resolution coupled with Smart Illumination delivers detailed color images in total darkness without washing out the image.

AUTO FOCUS

VARI-FOCAL LENS

Night Color 2.0 cameras use a motorized vari-focal lens with **Auto Focus** to ensure images remain clear and details are sharp as the camera zooms in for a closer look at relevant parts of a scene.

The Night Color 2.0 cameras are perfect for situations when there is no external lighting. With Dahua's Analytics+, the cameras are also ideal for improving the customer experience.

RESIDENTIAL

- Utilize the camera's built-in white light LEDs for areas without ambient lighting
- Receive real-time alerts for people or vehicles approaching your door or driveway

RETAIL

- Count people during shopping hours for better business decisions and trigger an alert for intruders after hours
- Receive real-time alerts on your mobile device when a delivery arrives
- Receive an alert when check-out lines become long

PARKING LOTS

- Models with two-way talk allow you to communicate with customers who are paying for parking
- Identify the color of a vehicle and license plate without blooming

Two is Better than One
FUSION DUAL-LENS TECHNOLOGY

Night Color Fusion Technology is ideal for dark, low-light scenarios where both covert "surveillance" and full-color images are required. This technology simultaneously captures video using 2 x 4MP sensors. The first sensor extracts the details of the visible spectrum while the second sensor extracts the brightness of the black and white spectrum. The two images are then fused together to display the best of both worlds without the use of a white-light illuminator.

Sensor 1: Black & White
Capture black and white images with low noise through IR light
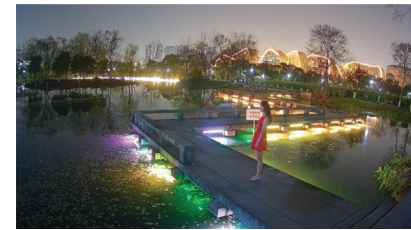
Sensor 2: Visible Light
Capture color images via the F1.0 large aperture and dual 4MP 1/1.8" sensor with high sensitivity

Sensor 1
Capture Brightness

Sensor 2
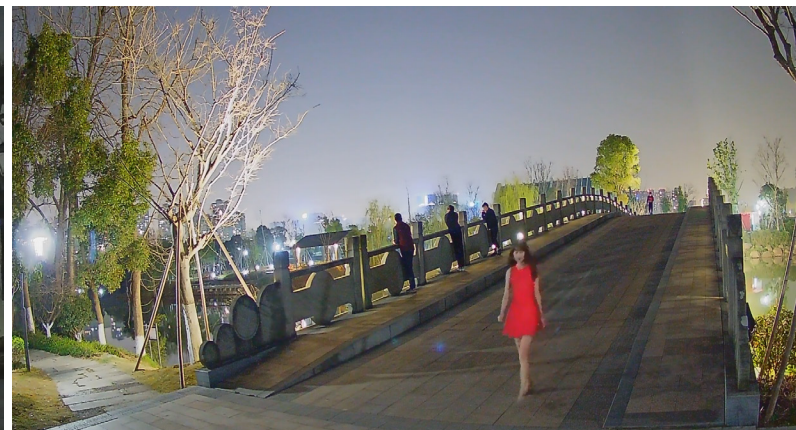Capture Details

Combined Output

36% Brighter vs standard 4MP camera

Output color images without turning on the white light for reduced light pollution

4MP Camera with White-light LEDs On

4MP Night Color 2.0 Fusion Camera without White-light LEDs

The Night Color Fusion camera is ideal for customers who require covert color images in a dark or low ambient scene while maintaining the ambience and mood of the environment. Additionally, the camera has the ability to capture full-color images at longer distances compared to a standard IR camera.

Pools

Fountains / Parks

Holiday Walk-thru

Amusement Park Rides

ANALYTICS+

All Night Color 2.0 IP cameras offer Analytics+ functions at the edge – performing complex real-time alerts. Analytics+ algorithms significantly improve accuracy and reliability as compared to standard intelligent features. These cameras are ideal for a host of diverse dark applications with low ambient lighting.

PEOPLE COUNTING
During the day, the camera uses the people counting function to monitor the number of people entering the store.
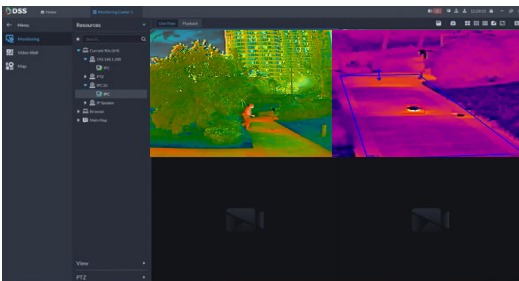
PERIMETER PROTECTION
At night, the camera turns on the perimeter protection function to prevent thieves from entering the store.

- **Perimeter Protection:** Detects human or vehicle violations using tripwire or intrusion functions.
- **People Counting:** Delivers accurate flow statistics from line crossing and regional counting functions.
- **Smart Motion Detection:** Differentiates between and classifies human and vehicular objects, plus filters false alarms due to inconsequential objects.

- **Smart Schedule:** Employs different Analytics+ functions depending on the time of day. One Night Color 2.0 camera covers you day and night.
- **Smart Search:** Search recorded video according to the color or type of clothes a person wears or the vehicle they drive. Smart Search improves retrieval time, aids in gathering forensic-level video, and increases ROI.

VIDEO MANAGEMENT SYSTEM (VMS)

Our Digital Surveillance System (DSS) VMS integrates with any VMS and provides a hub-and-spoke approach, allowing users to:

- Scale to additional locations
- Increase number of cameras affordably
- Instantly share usable data across multiple locations
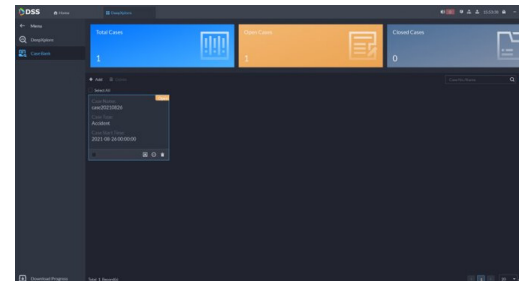- View analytics in one central platform
- Save with no recurring license fees

Live View
View and manage all your Fusion cameras from one central location in real time.

Event Management
Monitor all your event notifications. Get notified when an IVS rule or SMD is triggered.

Case Bank
Easily create reports and store records of incidents to report to the authorities.

RECOMMENDED PRODUCTS

Network Night Color 2.0

N85EFN2	N85EUN2	N45EM63	N45EFN2	N43BB62	N45EFNZ	N45EYN2	N45EYNZ	N45EJN2
8MP Night Color Bullet 2.8mm	8MP Night Color 2.0 Network Eyeball 2.8 mm	4MP Color 3.6mm ePoE Dome	4MP Night Color Bullet 2.8mm	4MP Night Color Bullet 2.8mm (LITE)	4MP Night Color Bullet 2.7-12mm	4MP Night Color Dome 2.8mm	4MP Night Color Dome 2.7-12mm	4MP Night Color Eyeball 2.8mm

Network Fusion / HDCVI Night Color

N43BJ62	N45DUD2	A52CF62	A52CJ62	A52CF6Z	A52CJ6Z	A22CJN2	A82CJN2
4MP Night Color Eyeball 2.8mm (LITE)	2x4MP Night Color Fusion 2.8mm	5MP Fixed HDCVI Bullet 2.8mm	5MP Fixed HDCVI Eyeball 2.8mm	5MP Vari-focal HDCVI Bullet 2.7-13.5mm	5MP Vari-focal HDCVI Eyeball 2.7-13.5mm	2MP Fixed HDCVI Eyeball 2.8mm	8MP Night Color Eyeball 2.8mm