

ILLUMIVUE

CATALOG
Spring 2026



ILLUMIVUE.COM



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ABOUT US

Illumivue delivers professional-grade video surveillance solutions engineered for performance, reliability, and clarity in real-world environments. Designed to meet the demands of commercial, industrial, and multi-site applications, Illumivue products combine advanced imaging technology with durable construction and intuitive system integration. From high-definition cameras and recorders to intelligent analytics and active deterrence features, Illumivue provides the tools businesses need to protect assets, monitor operations, and maintain visibility with confidence.

At the core of Illumivue’s approach is a commitment to innovation that enhances situational awareness without adding complexity. Technologies such as NightColor full-color low-light imaging and Dual Lens camera designs expand coverage and detail, enabling consistent visibility across varied lighting and environmental conditions. Whether deployed in retail, education, logistics, hospitality, or critical infrastructure, Illumivue solutions are built to perform when reliability matters most.

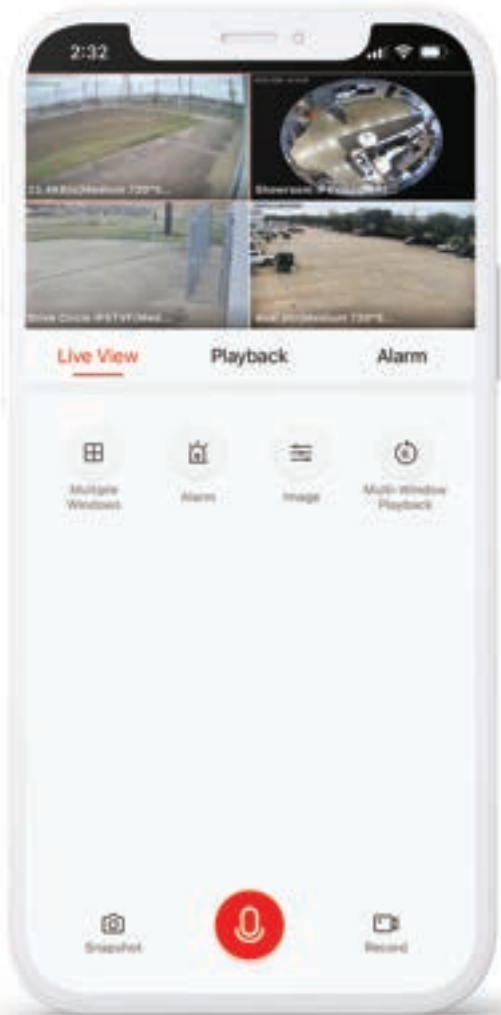
Illumivue systems are designed with scalability and usability in mind, supporting installations ranging from single locations to large, distributed networks. Advanced analytics and smart detection capabilities help reduce false alarms and focus attention on meaningful activity, while Active Defender features enable proactive response through real-time alerts and deterrent actions. Seamless compatibility with mobile and desktop applications ensures users can manage, monitor, and review footage efficiently from anywhere.

Built to meet modern compliance and procurement standards, Illumivue offers NDAA-compliant solutions suitable for government, municipal, and regulated commercial environments. Backed by a focus on quality, performance, and long-term value, Illumivue stands as a trusted surveillance partner for organizations seeking dependable security solutions designed for today’s challenges and tomorrow’s growth.

SECURITY MADE SIMPLE.

The Illumivue platform is designed to deliver powerful security without unnecessary complexity. From installation to daily operation, Illumivue solutions integrate seamlessly across cameras, recorders, and software, enabling faster deployment and simplified system management. An intuitive interface, flexible scalability, and reliable performance allow users to monitor, manage, and expand their systems with ease. Unlike fragmented or overly complicated platforms, Illumivue brings advanced features, intelligent analytics, and dependable connectivity together in a single, streamlined ecosystem—helping businesses achieve effective security with less effort and greater confidence.





ILLUMIVUE APP

The Illumivue App provides secure, intuitive control of Illumivue surveillance systems across mobile and desktop platforms. Designed for efficiency and ease of use, the app allows users to view live video, review recorded footage, receive real-time alerts, and manage devices from virtually anywhere. With a streamlined interface and reliable connectivity, the Illumivue App simplifies system monitoring while supporting the demands of modern commercial security operations.

VMS

Illumivue VMS (Video Management System) is a powerful, centralized platform that is designed to meet the demands of modern commercial security environments without a monthly subscription. It brings together Illumivue cameras, NVRs, and DVRs into a single, intuitive interface that allows businesses to monitor live video, review recorded footage, and manage multiple locations with ease. With secure remote access via desktop and mobile applications, decision-makers can stay connected to their operations anytime, anywhere—without sacrificing performance or reliability.

Built for scalability and efficiency, Illumivue VMS supports streamlined deployment and ongoing system management for commercial clients such as retail, hospitality, offices, warehouses, and multi-site enterprises. Features like real-time alerts, intelligent event notifications, and centralized configuration help security teams respond faster and operate more effectively. By combining dependable hardware with flexible, user-friendly software, Illumivue VMS delivers a complete video surveillance solution that enhances visibility, reduces risk, and protects what matters most to your business.





SPECIAL FEATURES

Illumivue’s NightVue, NightColor, and NightLight technologies are engineered to deliver clear, reliable video in low- and no-light conditions. Compared to conventional surveillance cameras that rely heavily on infrared or sacrifice detail as light levels drop, Illumivue solutions are designed to maintain color accuracy, image clarity, and scene awareness in challenging environments. By combining enhanced sensors, optimized processing, and integrated illumination where needed, Illumivue cameras provide superior low-light performance that helps reduce blind spots, improve identification, and support more effective monitoring across commercial applications.

NIGHTVUE

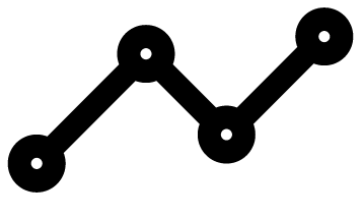
Enhances visibility in dark environments by delivering sharper contrast and clearer detail when traditional cameras struggle to capture usable images.

NIGHTCOLOR

Maintains full-color video in ultra-low light, allowing critical details like clothing, vehicles, and surroundings to remain visible without relying solely on infrared.

NIGHTLIGHT

Provides integrated illumination to extend color performance when ambient light is limited, ensuring consistent coverage and improved awareness throughout the night.



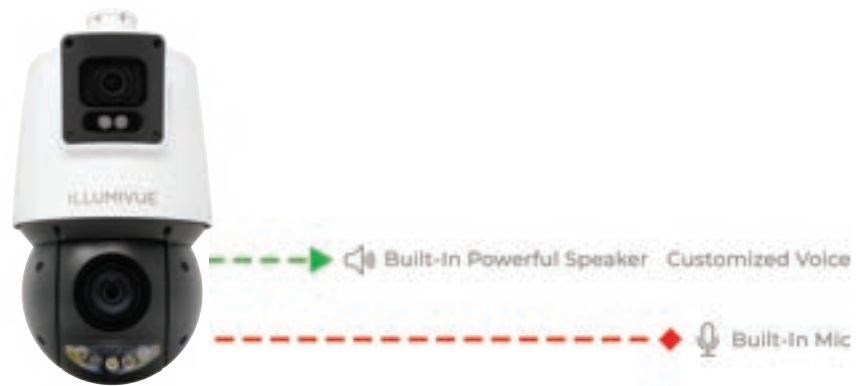
ADVANCED ANALYTICS

Line Cross Detection

Line Cross Detection monitors the video feed for objects that cross a user-defined virtual line and triggers an alert when this occurs. This helps security teams quickly identify and respond to perimeter breaches or defined zone violations.

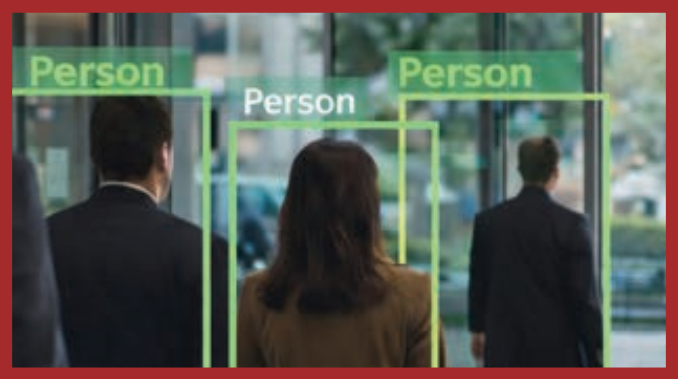
Pre-Recorded Audio Messages

Pre-Recorded Audio Messages leverage the camera's dual-way talk function to play pre-set voice alerts or instructions directly from the camera without needing an external speaker. This enables proactive communication for deterrence or instructions in real time.



Auto Tracking

Auto Tracking automatically follows the movement of individuals or objects within the camera's field of view once detected. This helps maintain focus on moving targets to improve monitoring and evidence capture.



IP CAMERAS

Illumivue's IP camera portfolio is designed to deliver reliable, high-quality video performance for commercial surveillance applications. Models including the IP2VD-NC-E, IP5VD-NC-E, IP5VD-NC.2, IP5VDVF-NC, IP5VD360-IR, IP20MVQL-NC, IP5B-NC, IP5BVF-NC, and IP8TDL-RB-DNL offer flexible installation options to support a wide range of indoor and outdoor environments.

With advanced imaging, low-light color performance, and intelligent processing, these cameras provide clear, consistent visibility in challenging conditions. Available in fixed, varifocal, panoramic, and dual-lens designs, Illumivue cameras help optimize coverage, reduce blind spots, and support scalable, professional-grade security systems across retail, commercial, and industrial settings.



						
	IP8TDL-RB-DNL	IP5BVF-NC	IP5T-NC	IP20MVQL-NC	IP5VD360-IR	IP5VDVF-NC
Colors			 			
Camera	Max Resolution 8MP Sensor 1/2.5" CMOS 0.0005 lux (F1.0, AGC ON) IR 100 feet LED Light 100 feet WDR 130dB	Max Resolution 5MP Sensor 1/2.7" CMOS 0.001 lux (F1.6, AGC ON) IR 164 feet WDR 120dB	Max Resolution 5MP Sensor 1/2.7" CMOS 0.003 lux (F1.6, AGC ON) IR 98.4 feet WDR 120dB	Max Resolution 4 × 5MP Sensor 1/2.7" CMOS 0.002 lux (F1.2, AGC ON) IR 33 feet WDR 130dB	Max Resolution 5MP Sensor 1/2.8" CMOS 0.01 lux (F2.0, AGC ON) IR 33 feet WDR 120dB	Max Resolution 5MP Sensor 1/2.7" CMOS 0.003 lux (F1.6, AGC ON) IR 131 feet WDR 120dB
Lens	Focal Length 2.8mm Field of View (H) 180° Field of View (V) 65° Field of View (D) 180°	Focal Length 2.8mm-12mm Field of View (H) 96.4° to 32.7° Field of View (V) 51.3° to 18.6° Field of View (D) 101.2° to 37.2°	Focal Length 2.8mm Field of View (H) 110° Field of View (V) 58.7° Field of View (D) 130°	Focal Length 2.7 ~ 13.5 mm Field of View (H) 110.3° Field of View (V) 57.1° Field of View (D) 130.2°	Focal Length 1.4mm Field of View (H) 360° Field of View (V) 360° Field of View (D) 360°	Focal Length 2.8-12mm Field of View (H) 108.79°-33.23° Field of View (V) 56.90°-18.33° Field of View (D) 112.56°-37.46°
DORI	(Detect) (206.7ft) (Observe) (82.7ft) (Recognize)(41.3ft) (Identify) (20.7ft)	(Detect) (142.4-610.7ft) (Observe) (57.1-244.5ft) (Recognize) (28.5-122.0ft) (Identify) (14.1-61.0ft)	(Detect) (206.7-295.3ft) (Observe) (82.7-118.1ft) (Recognize) (41.3-59.1ft) (Identify) (20.7-29.5ft)	(Detect) (232.5-812.0ft) (Observe) (93.0-324.8ft) (Recognize) (46.5-162.4ft) (Identify) (23.3-81.2ft)	(Detect) (103.3ft) (Observe) (41.3ft) (Recognize) (20.7ft) (Identify) (10.5ft)	(Detect) (206.7-885.8ft) (Observe) (82.7-354.3ft) (Recognize) (41.3-177.2ft) (Identify) (20.7-88.6ft)
Video	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 8MP (4096*1860), Max 20fps; Sub Stream: 2048*936, Max 20fps; Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265 H.265 H.264 MJPEG H.264 Main Stream: 5 MP (2880*1620), Max. 25fps; Sub Stream: 1280*720, Max. 30 fps; Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 5MP (2880*1620), Max 25fps; Sub Stream: 1280*720, Max 30fps; Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 4× 5MP (2880×1620), Max 30fps Sub Stream: Triple streams supported Video Bit Rate 128 Kbps ~ 16 Mbps (×4 ch)	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 5MP (2592×1944), Max 30fps Sub Stream: 1080P (1920×1080), Max 30fps Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 5MP (2880×1620), Max 25fps Sub Stream: 720P (1280×720), Max 30fps Video Bit Rate 128 Kbps ~ 16 Mbps
Image	Auto Scene Match (ASM) Support (Only WDR)	2D/3D DNR, Smart Illumination Supported Digital Defog	2D/3D DNR, Smart IR Supported Digital Defog	2D/3D DNR, Smart IR Supported Digital Defog	2D/3D DNR Smart IR Supported Digital Defog	2D/3D DNR, Smart IR Supported Digital Defog
Intelligence	Advanced Analytics Ultra motion Detection	Advanced Analytics Ultra motion Detection	Motion Detection	Advanced Analytics Ultra motion Detection		Advanced Analytics Motion Detection
Audio	Audio Compression G.711U; G.711A, AAC Audio Bitrate 64 Kbps Two-way Audio Supported Suppression Supported Audio Sampling Rate: 8 KHz, 16 KHz, 32 KHz, 48 KHz	Audio Compression G.711 Audio Bitrate 64 Kbps Two-way Audio Supported Suppression Supported Audio Sampling Rate 8 KHz	Audio Compression G.711 Built-in Mic Supported Suppression Supported Audio Sampling Rate 8 KHz	Audio Compression G.711U; G.711A Two-way Audio Supported Audio Sampling Rate 8 KHz	Audio Compression G.711 Audio Bitrate 64 Kbps Two-way Audio Supported Suppression Supported Audio Sampling Rate 8 KHz	Audio Compression G.711 Suppression Supported Audio Sampling Rate 8 KHz
Storage	Micro SD, up to 512 GB ANR; NAS (NFS)	Micro SD, up to 512 GB ANR; NAS (NFS)	Micro SD, up to 512 GB ANR; NAS (NFS)	Micro SD, up to 512 GB ANR; NAS (NFS)	Micro SD, up to 256 GB ANR; NAS (NFS)	Micro SD, up to 256 GB ANR; NAS (NFS)
Interface	Audio I/O 1/1 Alarm I/O 1/1 Built-in two mics Built-in Speaker	Audio I/O 1/1 Alarm I/O 1/1 Built-in two mics	Built-in Mic Supported	Audio I/O 1/1 Alarm I/O 3/2 Built-in Mic Supported	Audio I/O 1/1 Alarm I/O 1/1 Built-in 2 Mics	Built-in Mic Supported Network 10/100 Base-TX Ethernet
Certification	IP67 IK10	IP67 IK10	IP67	IP67 IK10	IP66 IK10	IP67 IK10
General Info.	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 12.6W Dimensions (Φ5.1" x 4.3") Weight (1.9lb) Metal Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH (non-condensing) Surge Protection 4KV Reset Button Supported	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 11.5W Dimensions 8.1" x 2.9" x 2.9" Weight (1.12lb) Metal + Plastic Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH (non-condensing) Surge Protection 6KV Reset Button Supported	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 6.0W Dimensions (Φ4.6"x 3.8") Weight (0.71lb) Metal + Plastic Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH (non-condensing) Surge Protection 4KV Reset Button Supported	DC 24V±25%, AC 24V±25%, PoE (IEEE 802.3bt) Power consumption: Max 48.7W Dimensions (Φ12.52" × 5.38") Weight (10.52lb) Metal Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: 5%-95% RH Surge Protection 6KV	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 8.5W Dimensions (Φ4.9" × 1.7") Weight (0.79lb) Metal + Plastic Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH Surge Protection 4KV Reset Button Supported	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 7.5W Dimensions (Φ5.0" × 3.9") Weight (1.43lb) Metal + Plastic Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH Surge Protection 6KV Reset Button Supported



Colors						
Camera	Max Resolution 5MP Sensor 1/2.7" CMOS 0.003 lux (F1.6, AGC ON) IR 98 feet WDR 120dB	Max Resolution 5MP Sensor 1/2.8" SONY CMOS 0.001 lux (IR LED off), 0 lux (IR LED on) IR 98 feet WDR 120dB	Max Resolution 2MP Sensor 1/2.8" SONY CMOS 0.001 lux (IR LED off), 0 lux (IR LED on) IR 98 feet WDR 120dB	Max Resolution 8MP Sensor 1/2.7" CMOS 0.0025 lux (F1.6, AGC ON) IR 98 feet WDR 120dB	Max Resolution 5MP Sensor 1/2.9" CMOS 0.002 lux (F1.0, AGC ON) IR 100 feet LED Light 98.4 feet WDR 130dB	Max Resolution 4MP (Optical) / 720P (Thermal) Sensor 1/1.8" CMOS (Optical) + Vanadium Oxide Uncooled FPA (Thermal) 0.001 lux Color / 0.0005 lux B/W (F1.6, AGC ON) IR 164 feet WDR 120dB
Lens	Focal Length 2.8mm Field of View (H) 112.9° Field of View (V) 59.1° Field of View (D) 121.2°	Focal Length 2.8mm Field of View (H) 110° Field of View (V) 58.7° Field of View (D) 130°	Focal Length 2.8mm / 3.6mm Field of View (D) 110° / 99°	Focal Length 2.8mm / 4.0mm Field of View (H) 112.4° / 86.5° Field of View (V) 60.1° / 44.1° Field of View (D) 146.1° / 112.5°	Focal Length 2.8mm Field of View (H) 101.1° Field of View (V) 57.1° Field of View (D) 117.7°	Focal Length 4mm (Optical) / 3.2mm (Thermal) Field of View (H) 89.9° Field of View (V) 49.1° Field of View (D) –
DORI	(Detect) (206.7ft) (Observe) (82.7ft) (Recognize) (41.3ft) (Identify) (20.7ft)	(Detect) (206.7ft) (Observe) (82.7ft) (Recognize) (41.3ft) (Identify) (20.7ft)	(Detect) 45.0 m (147.6 ft) (Observe) 18.0 m (59.1 ft) (Recognize) 9.0 m (29.5 ft) (Identify) 4.5 m (14.8 ft)	(Detect) (275.6–393.7ft) (Observe) (110.2–157.5ft) (Recognize) (55.1–78.7ft) (Identify) (27.6–39.4ft)	(Detect) (206.7ft) (Observe) (82.7ft) (Recognize) (41.3ft) (Identify) (20.7ft)	(Detect) (203.6ft) (Observe) (81.5ft) (Recognize) (40.7ft) (Identify) (20.4ft)
Video	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 5MP (2880×1620), Max 25fps Sub Stream: 720P (1280×720), Max 30fps Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 5MP (2880×1620), Max 25fps; Sub Stream: 1280×720, Max 30fps; Video Bit Rate 512 Kbps ~ 4096 Kbps	H.265; H.264 H.264 Main Stream: 2MP (1920×1080), Max 30fps Sub Stream: 704×480 / 352×240 Video Bit Rate 512 Kbps ~ 4096 Kbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 8MP (3840×2160), Max 20fps Sub Stream: 1080P (1920×1080), Max 30fps Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 4MP (2688×1520), Max 30fps; Sub Stream: 1920×1080, Max 30fps; Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 4MP (2688×1520), Max 30fps (Optical) Sub Stream: 720P (1280×720), Max 30fps (Thermal) Video Bit Rate 128 Kbps ~ 16 Mbps
Image	2D/3D DNR, Smart IR Supported Digital Defog	WDR; 2D/3D DNR AWB	WDR; 2D/3D DNR AWB	2D/3D DNR, Smart IR Supported Digital Defog	2D/3D DNR, Smart IR Supported Digital Defog	2D/3D DNR BLC Supported IR-cut filter with auto switch
Intelligence	Advanced Analytics Motion Detection	Motion Detection	Motion Detection	Advanced Analytics Ultra motion Detection	Advanced Analytics Ultra motion Detection	Advanced Analytics Temperature Detection
Audio	Audio Compression G.711 Audio Sampling Rate 8 KHz Built-in Mic Supported	Audio Compression G.711U; G.711A Built-in Mic Supported	Audio Compression G.711U; G.711A Built-in Mic Supported	Audio Compression G.711 Audio Bitrate 64 Kbps Two-way Audio Supported Suppression Supported Audio Sampling Rate 8 KHz	Audio Compression G.711U; G.711A Audio Bitrate 64 Kbps Two-way Audio Supported Suppression Supported Audio Sampling Rate 8 KHz	Audio Compression G.711U; G.711A Two-way Audio Supported Built-in Mic and Speaker Audio Sampling Rate 8 KHz
Storage	Micro SD, up to 256 GB ANR; NAS (NFS)			Micro SD, up to 256 GB ANR; NAS (NFS)	Micro SD, up to 512 GB ANR; NAS (NFS)	Micro SD, up to 256 GB ANR
Interface	Network 10/100 Base-TX Ethernet	Network RJ45 PoE Supported	Network RJ45 PoE Supported	Audio I/O 1/1 Alarm I/O 1/1 Built-in Mic Supported	Audio I/O 1/1 Alarm I/O 1/1 Built-in two mics Built-in Speaker	Audio I/O 1/1 Alarm I/O 2/2 RS485 Supported Network 10/100 Base-TX Ethernet
Certification	IP67 IK10	IP67 IK10	IP67 IK10	IP67 IK10	IP67	IP67
General Info.	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 4.5W Dimensions (Φ4.3" × 3.3") Weight (0.79lb) Metal + Plastic Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH Surge Protection 4KV	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: < 8W Dimensions (Φ4.37"x 3.6") Weight (1.32lb) Metal Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH (non-condensing) Surge Protection 4KV	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: < 8W Dimensions (Φ4.37"x 3.6") Weight (1.32lb) Metal Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH (non-condensing) Surge Protection 4KV	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 6.0W Dimensions (Φ4.3" × 3.3") Weight (0.95lb) Metal Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH Surge Protection 4KV	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 8.5W Dimensions (Φ4.4"x 2.9") Weight (1.01lb) Metal Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH (non-condensing) Surge Protection 4KV Reset Button Supported	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 12W Dimensions (Φ13.9" × 4.1" × 4.6") Weight (4.08lb) Metal Working Environment -40 °C ~ 70 °C (-40 °F ~ 158 °F), Humidity: ≤95% RH Temperature Detection Environment -10 °C ~ 50 °C (-14 °F ~ 122 °F) Surge Protection



IP1 2VD360-IR



IP4B-LTE-NC/NL



SOLAR-KIT



DOORSTATION-1



INDOORSTATION-1

Colors		
Camera	Max Resolution 12MP Sensor 1/1.7" CMOS 0.03 lux (F2.0, AGC ON) IR 49 feet WDR DWDR	Max Resolution 4MP Sensor 1/3.0" CMOS 0.003 lux (F1.6, AGC ON) IR 164 feet LED Light 98 feet WDR 120dB
Lens	Focal Length 1.8mm Field of View (H) 360° Field of View (V) 360° Field of View (D) 360°	Focal Length 4.0mm / 6.0mm Field of View (H) 79.0° / 49.6° Field of View (V) 42.3° / 26.2° Field of View (D) 85.1° / 56.7°
DORI	(Detect) (143.7ft) (Observe) (57.4ft) (Recognize) (28.9ft) (Identify) (14.4ft)	(Detect) (206.7–295.3ft) (Observe) (82.7–118.1ft) (Recognize) (41.3–59.1ft) (Identify) (20.7–29.5ft)
Video	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 12MP (4000×3000), Max 20fps Sub Stream: 2000×1500, Max 20fps Video Bit Rate 128 Kbps ~ 16 Mbps	Ultra 265; H.265; H.264; MJPEG H.264 Main Stream: 4MP (2560×1440), Max 30fps Sub Stream: 720P (1280×720), Max 30fps Video Bit Rate 128 Kbps ~ 16 Mbps
Image	2D/3D DNR, Smart IR Supported Digital Defog	2D/3D DNR, Smart IR Supported Digital Defog
Intelligence	Advanced Analytics Heat Map	Advanced Analytics Ultra motion Detection
Audio	Audio Compression G.711U; G.711A Audio Bitrate 64 Kbps Two-way Audio Supported Suppression Supported Audio Sampling Rate 8 KHz	Audio Compression G.711U; G.711A Audio Bitrate 64 Kbps Two-way Audio Supported Suppression Supported Audio Sampling Rate 8 KHz
Storage	Micro SD, up to 256 GB ANR; NAS (NFS)	Micro SD, up to 512 GB ANR
Interface	Audio I/O 1/1 Alarm I/O 2/1 Built-in two mics Built-in Speaker	Audio I/O 1/1 Alarm I/O 1/1 Built-in Mic Supported Built-in Speaker
Certification	IP67 IK10	IP67
General Info.	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 12W Dimensions (Φ5.9" × 2.2") Weight (1.15lb) Metal + Plastic Working Environment -30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH Surge Protection 4KV Reset Button Supported	DC 12V±25%, PoE (IEEE 802.3af) Power consumption: Max 12W Dimensions (Φ10.6"x 3.75") Weight (2.1lb) Graphene + Metal Working Environment -40 °C ~ 70 °C (-40 °F ~ 158 °F), Humidity: ≤95% RH (non-condensing) Surge Protection 6KV Reset Button Supported

High-Capacity Solar Power System

The 320Wh / 60W integrated solar power system is designed for reliable off-grid operation, combining intelligent power management with a built-in heating function to maintain performance in challenging environments.

Simple Installation & Durable Design

A modular battery system and hanging solar panel design allow for fast, flexible installation. The anodized aluminum alloy frame provides corrosion resistance for long-term outdoor use.

Safe, Reliable Energy Storage

High-safety, long-life lithium battery cells are protected by multiple safeguards, including temperature, overcharge, and undervoltage protection. An integrated heating module ensures safe charging in low-temperature conditions.

Smart Monitoring & Off-Grid Use

Battery percentage OSD can be displayed on the camera's live video, making system status easy to monitor. Designed for 4G camera deployments, it enables surveillance in locations without power or wired networks.

Video & Night Performance

Delivers 2MP video resolution with IR illumination, providing clear and reliable monitoring in both daytime and low-light environments.

Audio & Intercom Communication

Equipped with a built-in speaker and omnidirectional microphone, supporting call and intercom communication with connected indoor stations and mobile apps.

Access Control & Security

Features a built-in IC card reader with up to 10,000 card capacity, along with support for monitoring functions, security alarms, and tamper alarms.

Connectivity & Installation

Supports Wi-Fi connectivity, batch configuration, and up to 20 linked indoor stations. Designed for wall or flush mounting, with an IP65-rated aluminum alloy front panel for outdoor durability.

Touchscreen Display & Design

Features a 7-inch HD touchscreen (1024 × 600) with a sleek glass panel and durable ABS housing, designed for reliable daily use in indoor environments.

Audio Communication

A modular battery system and hanging solar panel design allow for fast, flexible installation. The anodized aluminum alloy frame provides corrosion resistance for long-term outdoor use.

Smart Access & Monitoring

Supports remote and one-touch door unlocking, network camera live view, and security alarm monitoring, delivering centralized control and enhanced situational awareness.

System Capacity & Management

Allows batch configuration and data transfer, supports up to 19 linked indoor stations, and manages multiple connected devices, including IPCs, entrance stations, NVRs (up to 2), and doorbells. Internal storage supports screenshots and zone alarms, all within a compact wall-mounted design.

NVRs

Illumivue NVRs deliver enterprise-level performance built for today's commercial security demands. Designed for speed, reliability, and scalability, Illumivue recorders provide crystal-clear recording with advanced compression that maximizes storage efficiency without sacrificing image quality. Full ONVIF compatibility and intelligent analytics—such as people counting and perimeter detection—turn video into actionable insight, helping businesses protect assets and operate smarter.

NDAA and FCC compliant, Illumivue NVRs are trusted for professional and regulated environments where performance matters. Intuitive remote access puts live view, playback, and alerts in your hands anytime, anywhere. Powerful, dependable, and easy to deploy, Illumivue NVRs set a higher standard for commercial video surveillance.

						
	NVR4.3	NVR8.3	NVR16.3	NVR 32.3	NVR 64.3	NVR 128
	*AI VERSION AVAILABLE					
Colors						
Network	Incoming Bandwidth: 80Mbps Outgoing Bandwidth: 64Mbps Remote Users: 128	Incoming Bandwidth: 80Mbps Outgoing Bandwidth: 64Mbps Remote Users: 128	Incoming Bandwidth: 320Mbps Outgoing Bandwidth: 160Mbps Remote Users: 128	Incoming Bandwidth: 320Mbps Outgoing Bandwidth: 160Mbps Remote Users: 128	Incoming Bandwidth: 384Mbps Outgoing Bandwidth: 384Mbps Remote Users: 128	Incoming Bandwidth: 384Mbps Outgoing Bandwidth: 384Mbps Remote Users: 128
Inputs	IP Video Input: 4-ch Audio Input: 1-ch, RCA	IP Video Input: 8-ch Audio Input: 1-ch, RCA	IP Video Input: 16-ch Audio Input: 1-ch, RCA	IP Video Input: 32-ch Audio Input: 1-ch, RCA	IP Video Input: 64-ch Audio Input: 1-ch, RCA	IP Video Input: 32 / 64 / 128-ch Audio Input: 1-ch, RCA
Video Output	HDMI: 4K (3840x2160) @30Hz; VGA: 1920x1080, @60Hz Recording Resolution: 16MP	HDMI: 4K (3840x2160) @30Hz; VGA: 1920x1080 @60Hz Recording Resolution: 16MP	HDMI: 4K (3840x2160), @30Hz; VGA: 1920x1080p, @60Hz Recording Resolution: 16MP	HDMI: 4K (3840x2160) @30Hz VGA: 1920x1080 @60Hz; Recording Resolution: 16MP	HDMI: 4K (3840x2160) @60Hz VGA: 1920x1080 @60Hz Recording Resolution: 32MP	HDMI1 / HDMI2: 4K (3840x2160) @60Hz / 30Hz VGA1 / VGA2: 1920x1080 @60Hz / 50Hz Recording Resolution: 32MP
Decoding	Ultra 265; H.265; H.264 Main Stream: 2 x 16MP, Max 30fps; Sub Stream: 2 x 16MP(4800 x 2688), Max 30fps	Ultra 265; H.265; H.264 Main Stream: 2 × 16MP @30fps Sub Stream: 2 × 16MP (4800 × 2688), Max 30fps	Ultra 265; H.265; H.264 Main Stream: 2 x 16MP, Max 30fps; Sub Stream: 2 x 16MP(4800 x 2688), Max 20fps;	Ultra 265; H.265; H.264 Main Stream: 2 x 16MP, Max 30fps; Sub Stream: 2 x 16MP(4800 x 2688), Max 30fps;	Ultra 265; H.265; H.264 Smart On and Off	Ultra 265; H.265; H.264 Main Stream: 2 × 32MP @30fps
PoE	4 RJ-45 10M/100M self-adaptive Ethernet Interface Max 30W for single port (50W Total)	8 RJ-45 10M/100M self-adaptive Ethernet Interface Max 30W for single port (75W Total)	16 RJ-45 10M/100M self-adaptive Ethernet Interface Max 30W for single port (240W Total) <i>*PoE version available</i>	PoE Supported (Advanced Analytics PoE NVR)	PoE Supported (Advanced Analytics PoE NVR)	PoE Not Integrated (Network NVR)
Intelligence	Advanced Analytics Ultra motion Detection	Advanced Analytics Ultra motion Detection	Advanced Analytics Ultra motion Detection	Advanced Analytics Ultra motion Detection	Advanced Analytics Ultra motion Detection	Advanced Analytics Ultra motion Detection
Audio Output	Audio Compression G.711U; G.711A Two-way Audio Supported (1-ch RCA)	Audio Compression G.711U; G.711A Two-way Audio Supported (1-ch RCA)	Audio Compression G.711U; G.711A Two-way Audio Supported (1-ch RCA)	Audio Compression G.711U; G.711A Two-way Audio Supported (1-ch RCA)	Audio Compression: G.711A, G.711U Audio Output: 2-ch RCA Two-way Audio Supported (1-ch RCA)	Audio Compression: G.711A, G.711U Audio Output: 2-ch RCA Two-way Audio Supported (1-ch RCA)
Hard Disk	1 SATA interface Capacity: Up to 24TB for each HDD	1 SATA interface Capacity: Up to 24TB for each HDD	2 SATA interfaces Capacity: 24TB for each disk	4 SATA interfaces Capacity: Up to 24TB for each HDD	4 SATA interfaces Capacity: Up to 24TB for each HDD	8 SATA interfaces Capacity: Up to 24TB for each HDD
Interface	RJ-45 Ethernet 1 USB 2.0; 1 USB 3.0	RJ-45 Ethernet 1 USB 2.0; 1 USB 3.0	RJ-45 Ethernet 1 USB 2.0; 1 USB 3.0 Alarm I/O 8ch/2ch RS485	2x RJ-45 Ethernet 2 USB 2.0; 1 USB 3.0 Alarm I/O 16ch/4ch RS485	2x RJ-45 Ethernet 2 USB 2.0; 2 USB 3.0 Alarm I/O 16ch/10ch RS485 RS232 eSATA:1	2x RJ-45 Ethernet 2 USB 2.0; 2 USB 3.0 Alarm I/O 16ch/10ch RS485 RS232 eSATA:1 Power Output: 12V
Certification	CE, FCC, UL, RoHS, WEEE	CE, FCC, UL, RoHS, WEEE	CE, FCC, UL, RoHS, WEEE	CE, FCC, UL, RoHS, WEEE	CE, FCC, UL, RoHS, WEEE	CE, FCC, UL, RoHS, WEEE
General Info.	DC 48V/1.35A Power Consumption: ≤ 10W (without HDD) Dimensions (10.2"×8.7"×1.8") Weight (2.43lb) Working Environment -10 °C ~ 55 °C (14 °F ~ 131 °F), Humidity: ≤90% RH (non-condensing)	DC 52V / 1.8A Power Consumption: ≤ 10W (without HDD) Dimensions (10.2"×8.7"×1.8") Weight (2.43lb) Working Environment -10 °C ~ 55 °C (14 °F ~ 131 °F), Humidity: ≤90% RH (non-condensing)	100~240V AC Power Consumption: ≤ 20W (without HDD) Dimensions (15.0"×12.7"×2.1") Weight (5.73lb) Working Environment -10 °C ~ 55 °C (14 °F ~ 131 °F), Humidity: ≤90% RH (non-condensing)	DC 12V / 5A Power Consumption: ≤ 20W (without HDD) Dimensions (17.3" × 13.4" × 1.9") Weight (7.5lb) Working Environment -10 °C ~ 55 °C (14 °F ~ 131 °F), Humidity: ≤90% RH (non-condensing)	AC 100~240V Power Consumption: ≤ 50W (without HDD) Height: 2U Dimensions (17.4" × 17.0" × 3.4") Weight (12.1lb) Working Environment -10 °C ~ 55 °C (14 °F ~ 131 °F), Humidity: ≤90% RH (non-condensing)	AC 100~240V Power Consumption: ≤ 50W (without HDD) Height: 2U Dimensions (17.4" × 17.6" × 3.7") Weight (13.23lb) Working Environment -10 °C ~ 55 °C (14 °F ~ 131 °F), Humidity: ≤90% RH (non-condensing)