

CCTV CAMERA

5MP HD Bullet CCTV Camera

The 5MP HD Bullet CCTV Camera by NIRIKHON (Model NKT855CZ37EA) delivers sharp 25/30 fps performance at 2592×1944 resolution for forensic-grade clarity. Its precision 3.6mm lens ensures accurate framing, while IR illumination extends visibility up to 30M for reliable night monitoring. Backed by a 1-year product warranty and lifetime service warranty, it's built for dependable, mission-critical institutional deployment around the clock.



5MP HD Bullet CCTV Camera

Official Brochure

SOLUTION SNAPSHOT

5MP High-Definition Resolution	3.6mm Precision Optical Lens	25-30M Night IR Illumination
1-Year Product & Lifetime Service Warranty	Real-Time Video Streaming Stability	Institutional-Grade Housing & Durability

Built for Real Operations

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CAPABILITIES

Key Features & Product Modules

5MP High-Definition Image Sensor

The core processing unit that captures video feeds at an impressive 2592 X 1944 resolution. It delivers true 5-megapixel clarity, ensuring that critical visual details remain sharp and identifiable even when zoomed in for forensic inspection.

3.6mm Precision Optical Lens

A high-grade 3.6mm fixed focal optical lens designed for balanced wide-angle coverage with minimal distortion. It is ideal for monitoring broad facility entry points, hallways, and perimeter boundaries with crisp focus.

Dynamic IR Illuminator

Equipped with high-performance infrared LEDs that provide clear night vision up to 25–30 meters in zero-light conditions. It features dynamic light regulation to prevent image over-exposure on close-range targets.

Real-Time Video Processing Core

Drives smooth 25/30fps video processing at full 5MP resolution without screen lag or frame drops. It ensures fluid motion capture, making it easy to track fast-moving objects or security events in real time.

Smart Bandwidth & Storage Encoder

Optimizes high-definition video streams to significantly lower network bandwidth and NVR storage utilization. It allows extended video recording retention without degrading core image clarity or forensic detail.

PoE & Network Interface Module

Features Power over Ethernet (PoE) functionality, enabling high-speed data transmission and camera power delivery over a single network cable. This simplifies site wiring and reduces deployment complexity.

Real-Time Live Monitoring & View

Streams ultra-sharp 5MP live video feeds with minimal latency for continuous situational awareness

- Ultra-HD 2592 X 1944\$ live streaming
- Low-latency video transmission
- Multi-grid camera switching
- Instant manual snapshot & clip recording

Smart IR & Night Vision Sensitivity Control

Dynamically configures infrared intensity to deliver clear night vision up to 25-30 meters without glare.

- Smart IR intensity auto-adjustment
- Prevents over-exposure on close objects
- Seamless day/night mode switching
- Custom low-light sensitivity tuning

Motion & Boundary Intrusion Detection

Uses smart video analytics to detect movement and boundary line crossings in restricted areas.

- Virtual perimeter line drawing
- Instant intrusion alert triggers
- Customizable detection zones & sensitivity
- Reduces false alarms from environmental factors

Remote Video Playback & Event Timeline Search

Features a smart timeline navigation tool for fast incident investigation and video clip exporting.

- Event-based quick video search
- Multi-channel synchronized playback
- Frame-by-frame forensic analysis
- One-click watermarked video export

Multi-Channel Video Management System (VMS)

Centralizes camera feeds into a single unified control panel for effortless layout management.

- Synchronized multi-screen grid layouts
- Custom camera grouping by location
- Drag-and-drop channel switching
- Multi-monitor display support

Frame Rate & Resolution Configuration (25/30fps)

Provides flexible control over video streams to optimize smooth playback and resolution quality.

- Smooth 25/30fps performance at full 5MP
- Dual-stream configuration (Main & Sub-stream)
- Dynamic bitrate control
- Custom image quality adjustments

High-Efficiency Storage & Bandwidth Management

Reduces network load and NVR storage consumption while keeping full 5MP forensic quality.

- Advanced H.265/H.265+ encoding optimization
- Extended footage retention capacity
- Bandwidth throttling for low-speed networks
- Smart storage recycling & archive rules

Command Center Integration & Central Control

Connects local cameras to enterprise-grade command centers and distributed network infrastructures.

- Standard ONVIF & RTSP protocol support
- Centralized multi-site management
- Distributed NVR/VMS synchronization
- Nationwide security network integration

Technical Details

5MP High-Definition Resolution	3.6mm Precision Optical Lens
25-30M Night IR Illumination	1-Year Product & Lifetime Service Warranty
Real-Time Video Streaming Stability	Institutional-Grade Housing & Durability
2592×1944 Ultra-High Pixel Density	25/30 FPS Adaptive Frame Rate Control
Optimized 3.6mm Focal Coverage	Dynamic IR Night Vision Range (25-30 Meters)
Low-Bandwidth High-Efficiency Video Encoding	All-Weather Structural Reliability
Lifetime Service Warranty Coverage	Seamless Command Center Integration

Media & Questions

5MP HD Bullet CCTV Camera

Available with the online product presentation and deployment resources.

Q. How does the 25-30M Night IR Illumination perform in zero-lux environments, and does it prevent IR over-exposure on targets moving close to the camera?

A. The camera integrates high-efficiency Smart IR illumination engineered to cover an effective operational range of 25 to 30 meters in total darkness (0 Lux). To maintain forensic-grade visual clarity, the system utilizes adaptive IR power management. This mechanism automatically regulates infrared LED intensity based on subject proximity, eliminating image wash-out or lens glare when individuals or vehicles approach the camera within close-range perimeter zones.

Q. Is the NIRIKHON 5MP Bullet Camera fully compatible with multi-site enterprise VMS platforms and centralized government command centers?

A. Yes, the camera natively supports standardized ONVIF protocols (Profiles S/G/T) alongside RTSP video streaming, ensuring seamless interoperability with third-party Enterprise Video Management Systems (VMS), Central Monitoring Station (CMS) software, and distributed NVR networks. This allows command center operators to centralize live monitoring, remote configuration, multi-channel playback, and event-driven logging across nationwide multi-site deployments.

Q. What mechanism is used to optimize network bandwidth and storage retention when streaming high-definition 5MP resolution at 25/30fps?

A. To handle continuous 5MP resolution (2592 X 1944) at 25/30fps, the camera leverages high-efficiency video encoding (H.265/H.265+) combined with dynamic bitrate control. This optimization reduces network bandwidth overhead and NVR storage consumption by up to 50-70% compared to standard H.264 compression, without compromising structural frame detail or forensic video integrity required for evidence review.

Q. How does the camera architecture maintain structural reliability and signal integrity under harsh environmental and field conditions?

A. The camera features a rugged, weatherproof housing designed to protect optical and electronic components against environmental degradation, heavy rain, dust, and humidity. Internal power regulation circuits guard against field voltage fluctuations, ensuring stable \$24/7\$ continuous streaming performance in high-stress outdoor, perimeter, or industrial installations.

Ready to deploy 5MP HD Bullet CCTV Camera?

Talk to Nirikhon for product consultation, installation planning, integration support, and enterprise deployment.

Hotline: 01712345678 | Website: www.nirikhon.com