IP CAMERA

6MP Bullet IP Camera

The 6MP Bullet IP Camera by NIRIKHON (Model NKN746FADZ37EA / N716FADZ37EA) delivers ultra-sharp 3072×2048 resolution with a Sony IMX335 sensor for forensic-grade clarity in any setting. Smart Color Night technology and dual IR/Warmlight LEDs ensure full-color monitoring up to 30M, even after dark. Powered by Smart VCA AI features, it enables precise threat detection with built-in audio and up to 512GB onboard storage — engineered for mission-critical institutional deployment.



6MP Bullet IP Camera | Official Brochure

SOLUTION SNAPSHOT

Sony IMX335 High-Sensitivity Sensor	**6MP Ultra-High Resolution (3072×2048)**	**Smart Color Night Vision**
Smart VCA AI Detection Features	**30M Dual Warmlight & IR Illumination**	**4mm F1.6 High-Aperture Lens**

OVERVIEW

Built for Real Operations 01

The 6MP Bullet IP Camera by NIRIKHON (Model NKN746FADZ37EA / N716FADZ37EA) delivers ultra-sharp 3072×2048 resolution with a Sony IMX335 sensor for forensic-grade clarity in any setting. Smart Color Night technology and dual IR/Warmlight LEDs ensure full-color monitoring up to 30M, even after dark. Powered by Smart VCA AI features, it enables precise threat detection with built-in audio and up to 512GB onboard storage — engineered for mission-critical institutional deployment.

CAPABILITIES

Key Features & Product Modules 02

AI Processing Board

Powered by Smart VCA AI features, this processing core drives intelligent, automated video analytics for faster, more reliable monitoring. It reduces manual oversight while enhancing detection consistency across live feeds.

High-Resolution CMOS Image Sensor

Built on the SSC377D+Sony IMX335 chipset, this sensor delivers true 6MP clarity at 3072×2048 resolution. Every frame captures sharp, forensic-grade detail suited for institutional-grade review.

High-Precision 2.8mm Fixed Lens

Designed with a 2.8mm fixed focus lens to provide a wide-angle field of view and consistent optical clarity across outdoor monitoring zones. It ensures reliable, edge-to-edge 6MP image capture without requiring manual lens adjustments.

Infrared (IR) Illuminator

Equipped with 2-piece Warmlight and IR LEDs delivering up to 30 meters of night-range coverage, paired with Smart Color Night technology for full-color visibility after dark.

Gigabit Network & PoE Module

Enables high-speed data transmission alongside simplified single-cable power delivery, streamlining installation and connectivity. This reduces on-site cabling complexity for large-scale deployments.

IP67 Aluminum Weatherproof Housing

Engineered for resistance against dust, moisture, and physical stress, supporting long-term durability in outdoor environments. This industrial-grade housing underpins reliable performance across all-weather deployment.

APPLICATIONS

Where This Product Fits 03

Corporate Office & Workspace Surveillance

Diagnostic Center Waiting Room Monitoring

Smart School Campus & Playground Safety

Hospital Reception & Ward Surveillance

Police Station & Perimeter Security

OPERATIONAL VALUE

Software, Benefits & Outcomes

04

Live Video Monitoring

Delivers real-time visual command over every connected camera from a single, unified interface.

- Multi-camera live grid view for simultaneous monitoring
- Instant digital zoom and pan for closer visual inspection
- Full-color night monitoring feed powered by Smart Color Night technology
- Customizable layout views by zone, site, or priority level
- One-click switch between live and recorded feed states

Video Recording & Playback

Ensures every moment is captured, stored, and instantly retrievable for institutional review.

- Continuous and event-triggered recording modes
- Fast-forward, rewind, and frame-by-frame playback controls
- Timestamp-based search for rapid incident retrieval
- Local onboard storage support up to 512GB via MicroSD
- Synchronized audio-video playback for full contextual review

Motion Detection Management

Provides intelligent, configurable motion sensing to reduce noise and sharpen focus on real activity.

- Custom motion zone configuration per camera
- Adjustable sensitivity thresholds to minimize false triggers
- AI-assisted motion classification via Smart VCA features
- Scheduled detection windows for time-based monitoring
- Automatic event tagging for faster review

Real-Time Alert & Notification

Keeps control center operators instantly informed of activity requiring attention.

- Instant push notifications for detected motion or events
- Configurable alert severity levels and routing rules
- Multi-channel alert delivery (dashboard, mobile, email)
- Snapshot previews attached to every alert notification
- Alert history log for accountability and review

Remote Access & Mobile Monitoring

Extends full operational control beyond the control center, from any authorized location.

- Secure remote login for live feed access
- Mobile app compatibility for on-the-go monitoring
- Remote playback and footage retrieval capability
- Push alert delivery to mobile devices in real time
- Multi-device session management for field personnel

User & Role Management

Maintains strict operational accountability through structured access control.

- Role-based permission tiers for different personnel levels
- Individual user activity logging and audit trails
- Configurable access restrictions per camera or zone
- Secure login credential management
- Session monitoring for active user oversight

Video Evidence Export & Backup

Converts raw footage into structured, institution-ready evidence with full data protection.

- One-click video and snapshot export functionality
- Scheduled automated backup routines
- Watermarked exports for evidence authenticity
- Flexible export formats for compatibility with review systems
- Secure archival storage for long-term evidence retention

SPECIFICATION

Technical Details 05

SONY IMX335 HIGH-SENSITIVITY SENSOR
✓ Included

6MP ULTRA-HIGH RESOLUTION (3072×2048)
✓ Included

SMART COLOR NIGHT VISION
✓ Included

SMART VCA AI DETECTION FEATURES
✓ Included

30M DUAL WARMLIGHT & IR ILLUMINATION
✓ Included

4MM F1.6 HIGH-APERTURE LENS
✓ Included

1/2.8" CMOS SENSOR ARCHITECTURE
✓ Included

DUAL-RESOLUTION STREAMING FLEXIBILITY (5MP MODE)
✓ Included

SSC377D ADVANCED PROCESSING CHIPSET
✓ Included

ADAPTIVE FRAME RATE CONTROL
✓ Included

BUILT-IN AUDIO CAPTURE CAPABILITY
✓ Included

HIGH-CAPACITY ONBOARD STORAGE (UP TO 512GB)
✓ Included

DUAL-LED ILLUMINATION ARRAY DESIGN
✓ Included

PRECISION OPTICAL ENGINEERING (F1.6 APERTURE)
✓ Included

PROOF

Case Studies & Client Feedback 06

Magna dolor est alia

Non aute id neque qu

Placeat atque eum a

Delectus amet quis

Quibusdam laudantium

Eu esse vel asperior

Quis quia quod moles

Tempore ea accusant

Ut perspiciatis ten

Dignissimos obcaecat

Nemo similique nobis

Voluptates quae id s

> *"The attendance solution saved our HR team 20+ hours per week. Face recognition is fast, accurate, and employees love it."*
>
> **Priya Sharma**
> CHRO, Enterprise Solutions Inc.

QUESTIONS

Frequently Asked Questions

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Q. How does the system ensure video data integrity from capture through storage?

A. Every recorded event is timestamped and stored in a structured format, preserving a clear and traceable data trail from capture to archival. This ensures footage remains authentic, unaltered, and fully suitable for institutional review and audit purposes.

Q. What cybersecurity measures protect the camera network from unauthorized access?

A. The platform enforces role-based access control with secure login credentials, ensuring only authorized personnel can view or manage live and recorded footage. Access activity is logged continuously, supporting full accountability across the deployed network.

Q. How does the system maintain streaming stability under limited or fluctuating bandwidth conditions?

A. Flexible resolution and frame-rate configuration allows operators to balance video quality against available bandwidth, ensuring stable streaming even in constrained network environments. This adaptability supports reliable performance across varied infrastructure conditions.

Q. What fail-safe mechanisms prevent data loss during network dropouts?

A. Onboard MicroSD storage of up to 512GB enables continuous local recording independent of network connectivity, ensuring no footage is lost during outages. Once connectivity is restored, stored data remains fully accessible for review and export.

Q. Is the platform suitable for scalable, multi-site institutional deployment?

A. Yes. The management platform supports multi-camera monitoring, centralized user administration, and remote access across distributed locations, making it well-suited for large-scale, multi-site institutional infrastructure.

Ready to deploy 6MP Bullet IP Camera?

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

Hotline: 09647 120 120 | Website: www.nirikhon.com