NIRIKHON

SECURITY & DEFENCE TECHNOLOGY

PRODUCT BROCHURE

CCTV CAMERA

5 MP HD Dome CCTV Camera

The 5MP HD Dome Camera by NIRIKHON (Model NKT855CB93BA) delivers ultra-sharp 2592x1944 resolution via a 3.6mm fixed lens, engineered for institutional surveillance and command & control operations. With a powerful 25-30M IR range, it ensures uncompromised 24/7 monitoring in complete darkness. Its compact, vandal-resistant dome housing suits mission-critical deployments, backed by a 1-year product warranty and lifetime service warranty for audit-ready, long-term reliability.



5 MP HD Dome CCTV Camera

Official Brochure

SOLUTION SNAPSHOT

3.6mm Precision Fixed Lens	**5MP Ultra-HD Resolution (2592 X 1944)**	**25/30fps Smooth Video Capture**
25–30M Dynamic IR Illumination	**1-Year Full Product Warranty**	**Lifetime Service Warranty**

OVERVIEW

Built for Real Operations 01

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CAPABILITIES

Key Features & Product Modules 02

5MP Ultra-HD Image Sensor Module

Captures full 2592×1944 resolution at 25/30fps, delivering forensic-grade clarity for critical identification tasks. Engineered for consistent, high-fidelity image reproduction across demanding institutional environments.

3.6mm Precision Optical Fixed Glass Lens

A fixed 3.6mm lens engineered for sharp, distortion-minimized wide-angle coverage. Ideal for monitoring corridors, checkpoints, and perimeter access points with consistent focal accuracy.

Dynamic IR Array Board (25–30M Night Vision)

Delivers a powerful 25–30M infrared range, sustaining clear, uninterrupted visibility through complete darkness. Built to maintain 24/7 operational continuity for command & control surveillance.

Vandal-Resistant Dome Housing Enclosure

A rugged, tamper-resistant dome structure built to withstand physical impact and environmental stress. Designed for long-term durability in high-security, unattended installations.

High-Impact Polycarbonate Transparent Outer Dome Cover

A shatter-resistant transparent shield protecting internal optics from tampering, debris, and impact — without compromising image clarity. Reinforces the unit's field-hardened reliability.

Heavy-Duty Weatherproof Base Mounting Plate

A robust mounting foundation engineered for stable, secure installation across ceiling, wall, or fixed infrastructure points. Built to endure long-term field exposure without structural compromise.

OPERATIONAL VALUE

Software, Benefits & Outcomes 04

Unified Multi-Node Live Feed Display

Consolidates live 5MP dome feeds from every connected node into a single unified command view for real-time situational oversight.

- Grid-view rendering across multiple camera nodes simultaneously
- Instant feed switching and full-screen focus mode
- Live status indicators for connection health per node
- Customizable layout arrangement by operator priority
- Cross-node synchronized timestamp display

Ultra-HD 5MP Video Stream Rendering

Renders full 2592×1944 resolution live feeds at 25/30fps for crystal-clear, real-time visual assessment.

- Full-resolution live playback without frame drops
- Adaptive stream quality based on network conditions
- Digital zoom on live feed without visible degradation
- Frame-accurate live pause and snapshot capture
- Multi-monitor extended display support

Multi-Site Centralized Command Dashboard

Aggregates surveillance data across geographically distributed installations into one centralized operational dashboard.

- Site-wise camera grouping and hierarchy mapping
- Cross-site alert consolidation in a single interface
- Bandwidth-aware feed prioritization by site criticality
- Centralized health monitoring for all connected units
- Role-based site access segmentation

Precision Forensic Timeline Search

Enables rapid, timestamp-accurate retrieval of recorded footage for forensic review and evidentiary documentation.

- Calendar and timeline-based footage navigation
- Event-tagged bookmarking for rapid recall
- Multi-camera synchronized timeline playback
- Variable-speed scrubbing for frame-level review
- Exportable timeline segments for investigation records

Smart Motion & Anomaly Detection Filters

Applies intelligent filtering to isolate motion events and anomalies from continuous 5MP footage, reducing manual review time.

- Configurable motion-sensitivity zones per camera
- Anomaly-based event flagging for operator review
- Filtered playback showing only motion-triggered segments
- Scheduled detection sensitivity by time-of-day
- Alert prioritization based on zone criticality

Automated Day/Night IR Switch Management

Manages the automatic transition between color daylight mode and 25–30M IR night vision mode without operator intervention.

- Auto-scheduling based on ambient light thresholds
- Manual override for controlled environments
- Per-camera IR sensitivity calibration
- Transition status logging for diagnostic review
- Group-wide IR mode synchronization across nodes

Remote Optical & Image Parameter Adjustment

Allows centralized, remote fine-tuning of image parameters across the 5MP dome network without physical site access.

- Remote brightness, contrast, and sharpness control
- Centralized parameter presets for rapid deployment
- Group-based bulk image adjustment
- Real-time preview before applying changes
- Rollback to last verified configuration

Multi-Tiered Role-Based Access Control (RBAC)

Enforces strict, hierarchical access permissions ensuring only authorized personnel interact with sensitive surveillance functions.

- Custom role creation with granular permission sets
- Tiered access from viewer to full administrator
- Session-based access logging per user role
- Time-restricted access provisioning
- Instant access revocation for compromised credentials

Immutable Operational Audit Logging

Maintains a tamper-proof log of all system and operator actions, ensuring full institutional accountability and audit readiness.

- Automatic logging of every configuration change
- Non-editable, timestamp-locked audit records
- User-action traceability across the platform
- Exportable audit reports for compliance review
- Long-term audit log retention

Failover Protection & Storage Redundancy

Safeguards continuous operational uptime and footage integrity through built-in redundancy protocols.

- Automatic failover to backup recording paths
- Redundant storage allocation for critical footage
- Real-time system health and failure alerts
- Seamless recovery without feed interruption
- Scheduled redundancy integrity verification

SPECIFICATION

Technical Details 05

3.6MM PRECISION FIXED LENS
✓ Included

5MP ULTRA-HD RESOLUTION (2592 X 1944)
✓ Included

25/30FPS SMOOTH VIDEO CAPTURE
✓ Included

25–30M DYNAMIC IR ILLUMINATION
✓ Included

1-YEAR FULL PRODUCT WARRANTY
✓ Included

LIFETIME SERVICE WARRANTY
✓ Included

OPTIMIZED INDOOR & SEMI-OUTDOOR FRAMING
✓ Included

HIGH-DENSITY PIXEL PRESERVATION
✓ Included

COMPACT DOME ENCLOSURE
✓ Included

ADAPTIVE SMART IR REGULATION
✓ Included

BANDWIDTH & STORAGE OPTIMIZATION
✓ Included

ENTERPRISE VMS & NVR INTEROPERABILITY
✓ Included

LIFECYCLE SERVICE SECURITY
✓ Included

24/7 UNINTERRUPTED OPERATION
✓ Included

QUESTIONS

Frequently Asked Questions 07

Q. Is the 5 MP HD Dome CCTV Camera housing suitable for both indoor and covered outdoor deployment?

A. The vandal-resistant dome housing is engineered with a high-impact polycarbonate outer cover, making it well-suited for indoor environments and covered/sheltered outdoor installations such as gatehouses, corridors, and overhangs. For fully exposed outdoor deployment, procurement teams are advised to confirm environmental protection ratings against site-specific exposure requirements during technical evaluation.

Q. How reliable is the 25–30M IR range for night-time identification accuracy?

A. The unit's dedicated IR array delivers a consistent 25–30M illumination range, sustaining clear, uninterrupted visibility during low-light and zero-light conditions. Combined with the automated IR-Cut Filter (ICR) switch, the camera maintains accurate day-to-night transitions, supporting continuous 24/7 monitoring reliability for command & control operations.

Q. Is the camera compatible with multi-site centralized monitoring infrastructure?

A. Yes. The unit is designed for integration into centralized command & control platforms, supporting unified multi-node live feed aggregation and multi-site dashboard consolidation, enabling procurement officers to standardize surveillance infrastructure across multiple institutional locations under a single operational framework.

Q. Does the 5MP resolution provide sufficient detail for forensic-grade evidentiary review?

A. Yes. The camera captures full 2592×1944 resolution at 25/30fps, delivering high-detail footage suitable for post-incident forensic analysis. When paired with the platform's Precision Forensic Timeline Search and Tamper-Evident Export features, recorded footage retains chain-of-custody integrity for institutional evidentiary and audit documentation.

Ready to deploy 5 MP HD Dome CCTV Camera?

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

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