

NXG



NOVA99x



AI False Alarm Filtering by Up to 99%

Built for High-Volume Monitoring Centres

NOVA99x filters low-value events before they reach operators - allowing teams to monitor more sites with the same workforce.

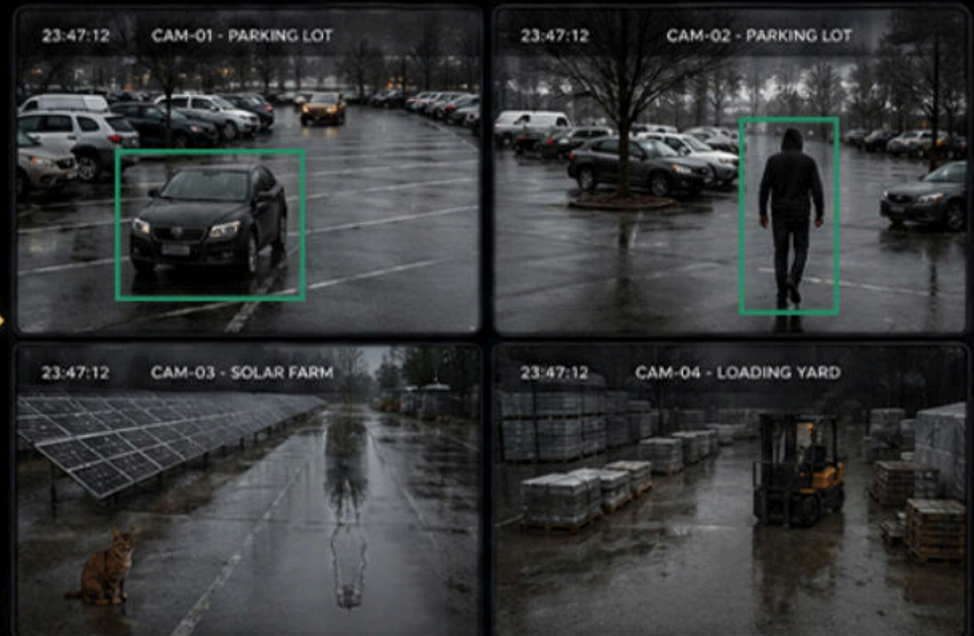
Before NOVA99x

OVERLOADED WITH NOISE



After NOVA99x

CLEAN. PRIORITIZED. ACTIONABLE.



99%

FALSE ALARMS FILTERED
BEFORE REACHING OPERATORS

Dramatically reduces noise
at the source.



4-5

HOURS RELEASED
PER OPERATOR SHIFT

Reclaim hours every shift
for what truly matters.



2x

SITE COVERAGE
PER OPERATOR

Monitor more sites and
expand without more headcount.

Meet NOVA99x

NOVA99x is an AI false alarm filtering engine for monitoring operations. It analyzes motion-triggered events before they reach operators, reducing false alarms and operational costs.

NOVA99x reduces operator workload, turning false alarm filtering into a capacity multiplier.



KEY CAPABILITIES



AI Event Analysis

Multi-layer AI evaluates each motion event using advanced detection, tracking, classification, and ReID for accurate understanding.



False Alarm Filtering

Removes low-value activity, noise, repeated triggers, and non-security events before they reach operators.



Queue Prioritization

Only relevant events move forward, ensuring operators focus on what actually matters.



Operator Efficiency

Cleaner queues, fewer distractions, and faster decisions - empowering teams to do more with the same resources.



INTEGRATED BEFORE THE OPERATOR QUEUE.
NOVA99x ensures operators see what matters—nothing more.

The Problem

Alarm Volume Is Not The Real Problem. Operator Time Is.

Most CCTV monitoring software still pushes too many motion-triggered events into the operator queue.

That means operators spend shift after shift reviewing:



Environmental
Movement



Repeated
Triggers



Low-Priority
Activity



Lighting
Changes



Animals
& Insects



Camera-Side
Noise



Non-Critical
Motion Events

THE CAPACITY MULTIPLIER IN ACTION

Traditional Monitoring



High volume of
motion events



Operators overwhelmed
by noise



Less time for
critical events



Limited site coverage
and growth



Higher operational
costs

With NOVA99x



Up to **99%** of false alarms
filtered before operators



Cleaner, prioritized queue
with less distraction



More time for verification,
escalation & response



Up to **2x** more sites
covered per operator



Lower cost per site,
higher overall efficiency



MORE CAPACITY. SAME TEAM. LOWER COST.

NOVA99x helps monitoring centres **do more** with what they already have.

How NOVA99x Works

NOVA99x sits in front of the operator queue and evaluates every motion-triggered event before it becomes a task.

1 EVENT RECEIVED

A camera, sensor, or connected video monitoring system sends a motion-triggered event into the platform.



2 AI EVENT ANALYSIS

NOVA99x analyzes the event using multiple detection layers, including object detection, dynamic motion detection, tracking, event classification, and ReID-based movement analysis.



3 FALSE ALARM FILTERING

The system identifies low-value activity, repeated triggers, irrelevant movement, environmental noise, static objects, and non-security events.



4 PRIORITIZED ALARM DELIVERY

Only relevant events move forward into the monitoring workflow, ordered by priority and relevance.

PRIORITY	ALARM	
High	Perimeter Breach - Gate 3	10:24:15
Medium	Vehicle in Restricted Area	10:24:18
Medium	Loitering Detected - Zone B	10:24:25
Low	Delivery Activity - Zone C	10:24:31

5 OPERATOR REVIEW

Operators receive a cleaner queue with fewer distractions, helping them verify, escalate, dispatch, or close events faster and with greater accuracy.



NOVA99x **FILTERS THE NOISE** SO OPERATORS CAN **FOCUS ON WHAT MATTERS**.
Fewer distractions. Faster decisions. Better outcomes.

Camera Readiness

NOVA99x performs best when cameras meet these minimum requirements.

High-quality input. High-quality outcomes.



MINIMUM TECHNICAL REQUIREMENTS



Image Resolution

Minimum 640 × 480 px

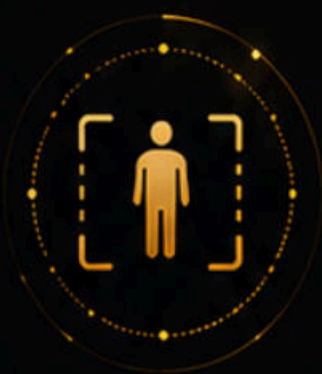
Ensures sufficient detail for accurate detection and analysis.



Lighting

300–1,000 lux
or average image intensity
or at least 30%

Adequate lighting is essential for consistent performance.



Person Detection

Person should occupy at least 300 px² or 0.3% of the total image area

Ensures people are large enough to be reliably detected.



IR Night Detection

Person should occupy at least 600 px²

Infrared illumination must provide enough detail for night-time detection.



Vehicle Motion Validation

Vehicle should appear in at least 2 of 3 consecutive frames

Reduces false positives from momentary or inconsistent motion.



Supported Vehicle Types

- Car
- SUV
- Van
- Truck
- Forklift
- Bus
- Excavator
- Bulldozer



NOVA99x IS BUILT TO CHANGE THAT.

By filtering noise before it reaches operators, NOVA99x restores focus, improves performance, and unlocks capacity.

What NOVA99x Detects And Filters Out

NOVA99x focuses operators on what matters most. It detects people and vehicles, and filters out non-actionable noise.



DETECTION



People



Vehicles

WHAT NOVA99x FILTERS

NOVA99x filters non-actionable alarm noise while keeping the focus on people and vehicle events.

NOVA99x Filters

Example



Animal motion

Livestock, birds, animals moving in frame



Vegetation

Trees, bushes, moving grass



Light / shadow changes

Sun flicker, moving shadows



Headlights

Far traffic lights or vehicle headlights



Light glare / reflections

Bright glare, reflections, lens flare



Camera movement

Wind vibration, PTZ drift



Spider webs

Webs moving in front of lens



Bugs / insects

Bugs near or on the camera



Smudged lens

Dirty or blurred camera view



NOVA99x IS BUILT TO **CHANGE THAT.**

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NOVA99x + ZenMode

ZenMode organizes live events from multiple sites into one prioritized command view , giving operators the context they need to verify incidents faster and more locations with confidence.



ZenMode : Operator Multi-Site Command View



Multi-Site Grid

Monitor cameras across multiple sites and customers in a single scrollable view , no switching between screens.



Detection Type Icons

Each feed shows a person or vehicle indicator showing what type of alarm was last triggered , at a glance.



Live Status Indicators

Green dot = camera online and healthy. Every feed displays the last alarm timestamp for that sensor.



Camera Labels & Context

Camera ID, site name, and last event timestamp shown on every tile. Operators know exactly what they're looking at.

