



Intelligence, Unified.

Technical Data Sheet

AI-Powered Enterprise Video Surveillance Platform

Suite of four products. 381 platform features. 28 native AI analytics.

Compliance-ready for India deployments — government, smart city, healthcare, transport.

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1. Platform Overview

VIGIL-X.AI is an AI-Powered Enterprise Video Surveillance Platform delivered as a suite of four products that can be deployed standalone or together.

Built India-first for the post-MeitY-CRO regulatory environment, VIGIL-X.AI consolidates video management, AI analytics, device-health monitoring, and command-and-control operations under a single vendor — replacing the multi-vendor stack that has historically defined this category.

The IRA Framework

Every Vigil-X.AI deployment is organised around three operating phases — Identify, Report, Act. The framework gives surveillance investments a measurable outcome model: events get detected, escalated, and resolved, instead of accumulating as recorded video no one watches.

Phase	What it does	Vigil-X.AI products that power it
Identify	Detect events, anomalies, and threats across every connected camera in real time.	Vigil-X VMS · Vigil-X AI Sense
Report	Route the right alert to the right operator — with SLA tracking, escalation, and dispatch.	Vigil-X Shield · Vigil-X Check
Act	Execute the SOP, log the case, and close the loop with auditable outcome tracking.	Vigil-X Shield

The four products at a glance

Product	What it is	Features
Vigil-X VMS	Enterprise video management — device onboarding, live view, recording & storage, search & playback, alerts.	169
Vigil-X AI Sense	Native AI video analytics across four modules — object detection & classification, behaviour, intrusion & perimeter, and AI analytics (ANPR, fire, PPE, weapon, crowd).	28
Vigil-X Check	Device-level health intelligence — network, camera, storage, time-sync, asset lifecycle, compliance.	39
Vigil-X Shield	Integrated command & control — event lifecycle, agent review, SLA enforcement, case management.	71
Total	Across the suite	381*

* Total includes 74 features in two internal-only products (Vigil-X Portal, Vigil-X Mobile) that support the four customer-facing products. Mobile capabilities surface inside Vigil-X VMS, Vigil-X Check, and Vigil-X Shield rather than as a separate product.

2. Vigil-X VMS

Enterprise video management, India-built. The video infrastructure layer of the suite.

Vigil-X VMS handles the full lifecycle of a camera fleet — from zero-touch onboarding to live monitoring, recording, retention, search, and operator alerts. 169 features across 8 functional areas. Built on open standards (ONVIF Profiles S/G/T) so customers are never locked to a single camera vendor.

Functional area	What it covers	Features
Customer Portal	Infrastructure setup, license activation, customer hierarchy, user management, reporting & dashboards.	17
Device Onboarding	Discovery, decommission, bulk upload, camera config, network/streaming, storage allocation, lifecycle ops.	32
Live Video	Streaming config, video display, map & floor-plan view, video wall, clip and live-view export.	45
Recording & Storage	Recording modes, storage options, retention policies, export & sharing.	31
Search & Playback	Basic, advance, and AI-driven search; basic and advance playback.	30
Alerts & Notifications	Multi-channel notifications, alert rules, video-analytics-triggered alerts.	8
Event Management	Event handling and lifecycle controls.	2
Credential Vault	Secure credential storage and password management for connected devices.	4
Total	Across Vigil-X VMS	169

Source field: Password Vault. Rendered as Credential Vault here to distinguish from the retired Vigil-X Vault product.

Mobile surface. Vigil-X VMS includes mobile live view, playback, and alert delivery on iOS and Android.

3. Vigil-X AI Sense

From passive recording to active surveillance. Twenty-eight native AI analytics, running on the same platform that manages your cameras.

Vigil-X AI Sense is the analytics layer of the suite — twenty-eight detection capabilities organised into four modules. Each is a native model running inside the platform; no third-party AI bridge, no separate licensing surface to manage. Customers configure rules per-camera (which cameras run which detections), and events flow into the same alert and case-management pipeline as VMS-driven events.

Object Detection & Classification (8 features)

Feature	Description
Object Classification	Object classification by attributes.
Human Detection	Identify and classify humans in the video frame.
Vehicle Detection	Identify and classify vehicles.
Animal Detection	Identify and classify animals.
Colour Search	Colour-based object detection — search by visual colour attributes.
Unattended Object	Detect objects left behind in a defined zone for longer than a configured dwell time.
Missing Object	Detect when a previously-present object is removed from a defined region of interest.
Face Detection	Detect faces in the frame to support downstream identity workflows.

Behaviour Detection (1 feature)

Feature	Description
Fallen Person	Detect people who have fallen — supports duty-of-care use cases in healthcare, transport, and public spaces.

Intrusion & Perimeter (6 features)

Feature	Description
Intrusion Detection	ROI-based detection — triggers when objects enter a defined region of interest.
Tripwire	Virtual line crossing detection.
Line Crossing	Bi-directional or single-direction line crossing (AB, BA, or both).
Loitering	Loitering detection based on human and animal presence in defined zones.
Perimeter Detection	Detection of humans, vehicles, and animals within a defined region of interest.
Entry & Exit	Entry, exit, or bidirectional movement detection across a boundary.

AI Analytics (13 features)

Five capability clusters added in the May 2026 Phase 1 scope expansion — covering vehicle and plate recognition, fire and environmental detection, people and crowd analytics, safety and PPE, and threat detection.

Vehicle & Plate Recognition (1 feature)

Feature	Description
ANPR	Automatic Number Plate Recognition — reads license plates from a live or recorded stream.

Fire & Environmental (2 features)

Feature	Description
Fire Detection	Visual detection of fire in the camera field of view.
Smoke Detection	Visual detection of smoke in the camera field of view.

People & Crowd Analytics (3 features)

Feature	Description
Crowd Density	Monitor crowd density in a defined region of interest.
Queue Management	Detect queue length and waiting time at service points.
Heatmap Analysis	Generate heatmaps of movement and dwell across a scene over time.

Safety & PPE (6 features)

Feature	Description
PPE Detection	Detect personal protective equipment compliance across a workforce.
Mask Detection	Detect mask compliance in clinical, manufacturing, and food-handling environments.
Seatbelt / Harness	Detect seatbelt or safety harness use in vehicles and at height.
Hard Hat	Detect hard hat compliance on construction and industrial sites.
Safety Vest	Detect high-visibility safety vest compliance.
Gloves	Detect glove use for hand-safety compliance.

Threat Detection (1 feature)

Feature	Description
Firearm / Weapon	Visual detection of firearms and weapons in the field of view.

Pricing model. AI Sense is licensed per camera. Customers select which cameras in their fleet run which detections; not every camera needs every analytic.

4. Vigil-X Check

Device-level health intelligence across your fleet. Know the fleet's health, in real time, across every component.

Vigil-X Check continuously monitors every component in a deployment — cameras, network links, storage, time-sync, certificates, asset lifecycle. 39 features across 12 monitoring domains. The point isn't dashboards; it's catching degradation before it becomes a customer-visible failure.

Monitoring domain	Features
Network & Health Connectivity	6
Camera & Video Health	6
AI Health Check	3
Storage & Disk Health	3
System Health & Management	1
Device Hardware Health	3
System Performance Monitoring	1
Time / Synchronisation	3
Testing & Diagnostics	3
Configurable Test Intervals	4
Asset Inventory, Warranty & Licensing	3
Security & Compliance Monitoring	3
Total	39

Mobile surface. Field engineers access Vigil-X Check status, alerts, and diagnostic actions via the mobile app on iOS and Android.

5. Vigil-X Shield

ICCC. One operations centre. Every camera. Every incident.

Vigil-X Shield is the integrated command-and-control product. It takes the events Vigil-X AI Sense detects and Vigil-X Check raises, routes them to the right operator, enforces the SLA, walks the operator through the SOP, and closes the case with a full audit trail. 71 features across 18 functional areas. Designed for deployments where events have to be resolved, not just recorded.

Functional area	Features
Event Detection & Triggering	5
Pre-Event Recording	1
Alerts Assignment	6
Agent Review & Classification	9
SLA Enforcement & Escalation	6
Multi-Agent Collaboration	3
Integrated Role-Based Dashboard	6
Customer Notification Workflow	4
Incident Case Management	4
Snapshot	1
SLA Tier Management Configuration	1
Internal Team Workflow	3
Customer Workflow Management	1
Live View & Recording	2
Data Visualisation (GIS, VMS, Hot Screen, Event Logging)	9
Search & Playback	1
Mobile App Integration	5
Third-Party Integrations	4
Total	71

Mobile surface. Operators and supervisors access the Vigil-X Shield ICCC dashboard and incident response tools via the mobile app on iOS and Android.

6. By the Numbers

Five anchored facts that frame what Vigil-X.AI is and how big the playable surface is.

4	381	11	28	196
Customer products	Platform features	Sectors served	Native AI analytics	STQC-certified IP camera models

Per the STQC IoTSCS Certified Product List (10 April 2026): 196 certified IP camera models across 7 brands — CP Plus, Prama, Sparsh, Matrix, Honeywell, Vicon, and Equus. Vigil-X.AI is camera-vendor-agnostic via ONVIF; the figure represents the compliance-eligible camera market under the post-April-2025 MeitY CRO regime, not a list of platform-tested models.

What the numbers don't say

We're not publishing concurrent-stream limits, operator-scale ceilings, server-sizing tiers, or storage benchmarks in this document. Those are deployment-specific — they depend on your camera count, retention policy, AI Sense feature mix, and command-centre topology. The right answer comes from a sizing conversation, not a marketing claim. See §10 for how to start one.

7. Compliance & Certification Posture

Honest current state — three buckets. What's active today, what we're filing, what's on the roadmap.

India's surveillance-procurement regime tightened materially in 2024–2026: the MeitY CCTV CRO took effect 9 April 2025, criminal liability begins 1 April 2026, and STQC certification has become the procurement gate for government, smart-city, and public-sector contracts. Our compliance posture is on that timeline.

Standard / certification	Status	Detail
NDA Section 889	Active	No NDAA-prohibited components in the platform stack — eligible for deployments that exclude restricted Chinese-origin hardware.
DPDPA 2023 (India)	Active	Privacy controls aligned to the Digital Personal Data Protection Act 2023 — consent management, data principal rights, processor agreements.
ONVIF Profiles S / G / T	Active	Streaming, generic recording, and thermal camera profiles — open standards, no camera-vendor lock-in.
STQC IoTSCS	In Progress	Filing targeted first week of August 2026. Mandatory for government and public-sector procurement under the MeitY CRO regime.
RDSO IP Video Surveillance	Roadmap	Targeting RDSO/SPN/TC/65/2021 V6 conformance for Indian Railways deployments. Sequenced post-STQC.
PPO 2024 (Local Content)	Roadmap	Class-I local-content qualification for government procurement. India-built from foundation; formal classification pursued post-STQC.

Vigil-X.AI does not currently hold ISO 27001, RDSO, CJIS, HIPAA, or STQC certifications. Claims to that effect in earlier marketing material are inaccurate and being corrected. Where we are pursuing certification, we say so in the In Progress / Roadmap buckets above.

8. Hardware & Camera Reference

Open-standards-first. Vigil-X.AI works with any STQC-certified IP camera — and the broader ONVIF camera universe.

Vigil-X.AI is camera-vendor-agnostic via ONVIF Profiles S, G, and T. For India deployments where STQC certification is procurement-binding, Vigil-X.AI works with all 196 STQC-certified IP camera models across the seven brands currently on the STQC IoTSCS Certified Product List.

Brand	STQC-certified IP camera models
Sparsh	27
Matrix	23
Prama	6
CP Plus	5
Honeywell	Listed
Vicon	Listed
Equus	Listed
All 7 brands	196 certified models

Source: STQC IoTSCS Certified Product List, 10 April 2026. Per-brand counts shown for the four brands with public model counts; the remaining three are confirmed as listed without per-brand counts. Hikvision, Dahua, and TP-Link have zero STQC-certified models and are excluded from procurement-bound Indian deployments under the post-April-2025 MeitY CRO regime.

9. Deployment Models

Three deployment topologies. Choose by data-sovereignty posture, not by vendor preference.

Vigil-X.AI ships in three deployment configurations. Each is a real customer choice; none is a pricing trick. The right one depends on whether your deployment is air-gapped, cloud-tolerant, or multi-site.

Topology	What it is	Best fit
On-Premises	Full suite (VMS + AI Sense + Check + Shield) deployed inside your data centre. No external network dependency.	Government, defence, air-gapped sites, regulated infrastructure where data cannot leave the premises.
Hybrid Cloud	Cameras and VMS on-premises; AI Sense, Check, and Shield in managed cloud. Best of both worlds for sites that want operational lift without giving up video sovereignty.	Distributed enterprises, multi-site retail, healthcare networks where central command is desirable but video stays local.
Federated	Multiple on-premises Vigil-X.AI deployments stitched into a single Shield command surface. Each site retains its data; a regional command centre operates across all of them.	City-level smart city, multi-station transport networks, multi-branch deployments under a unified operations function.

11 sectors served

Vigil-X.AI is positioned for eleven sectors. Five are addressable today; six unlock with STQC certification (August 2026 filing).

Available now (5)	Available 2026 — with STQC certification (6)
Healthcare · Education · Manufacturing · Retail · Hospitality	Smart city · Logistics & warehousing · BFSI · Transport hubs · Aviation · Critical infrastructure

10. Where to Go from Here

This Data Sheet is one of three companion artefacts. Pick the one that matches your evaluation phase.

Document	What it covers	Available
Marketing Blueprint	Strategic depth — market sizing, regulatory landscape, sector strategy, competitive positioning, 24-week execution plan.	On request
Competitive Matrix	172-capability head-to-head against nine named competitors — Indian and international. Source-cited per cell.	On request
Live Demo	60-minute walkthrough across the four products with sector-specific use cases. Booked through Navin's calendar.	Bookable

Ready for a sizing conversation?

Book a demo or request the Marketing Blueprint or Competitive Matrix.

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