Vega Systems, Inc.

CORRECTIONS · SOLUTION BRIEF

Video security for correctional facilities

In corrections, video supports staff safety and duty of care every hour of the day. Vega keeps it live and recorded through failures, outages and upgrades, inside the Milestone XProtect system you already run.

SUMMARY

What correctional facilities need

Each part of the operation depends on video in a different way. Here is what each one needs, and which Vega product answers it.

Control rooms and housing units	Live video stays up during a data center outage → SureStream
Facility-wide systems	A second site that is truly separate → RMF
Recorder rooms	A recorder fails without a gap in the recording → Tandem
Evidence and investigations	Footage kept for the full retention period → Nidhi
Facility consolidation	Bring facilities onto one system → XPort
Transport vans	Vehicle cameras, live in the control room → Atlas

THE PRODUCTS

SureStream	Client-side failover for live video in the Smart Client
RMF	Cybersecure redundancy across separate, isolated XProtect sites
Tandem	Two recorders presented as one, with a full copy on each
Nidhi	The XProtect archive, extended to cloud storage
XPort	Automated XProtect migration: merges, splits, upgrades, storage moves
Atlas	Remote and vehicle cameras over cellular, into the SOC

Built for Milestone XProtect. Atlas is built on open ONVIF for any VMS.

CONTROL ROOMS AND HOUSING UNITS

Live video stays up during a data center outage

The challenge

If the data center fails, is being patched or comes under attack, officers can lose live views of housing units.

SURESTREAM

Client-side failover for live video

Operators switch to direct camera streams in the Smart Client and keep live video and PTZ on the cameras that matter most. No extra servers to rack.

FACILITY-WIDE SYSTEMS

A second site that is truly separate

The challenge

Clustering and SQL replication tie sites together, so a fault or compromise at one copy can reach the other.

RMF

Cybersecure redundancy across separate sites

Two isolated XProtect sites, each with its own management server, SQL database and recorders. Every camera records at both, and only selected objects sync through the Milestone API. In the Federated and Single site architectures, live video moves to the other site near instantaneously, hands-free and per tile.

RECORDER ROOMS

A recorder fails without a gap in the recording

The challenge

Gaps in the record are hard to explain after an incident.

TANDEM

Two recorders, one identity

Two recording servers pair into one logical recorder and both record every camera, so each keeps a full copy. Third-party systems see one recorder and need no repointing, mapping or scripts.

EVIDENCE AND INVESTIGATIONS

Footage kept for the full retention period

The challenge

Use-of-force reviews and investigations need footage long after the event.

NIDHI

The XProtect archive, extended to the cloud

Older footage moves to Amazon S3, Google Cloud Storage or S3-compatible storage and plays back straight from there, with no restore step. Only XProtect deletes, so evidence locks are honored, and archived footage survives the loss of a recorder.

FACILITY CONSOLIDATION

Bring facilities onto one system

The challenge

Upgrades and consolidations leave separate XProtect systems to bring together.

XPORT

Automated XProtect migration

Merges, splits, one-step upgrades and storage moves, carrying configuration and recorded footage across, so projects take less time and cost less than doing it by hand or with ad hoc scripts.

TRANSPORT VANS

Vehicle cameras, live in the control room

The challenge

Inmate transport vehicles leave the facility network.

ATLAS

Remote cameras over cellular, into the SOC

Atlas runs inside Cradlepoint cellular routers and presents each remote camera to the SOC as an ONVIF device. The edge makes outbound connections only. Built on open ONVIF for any VMS.

Planning for your site?

Share your XProtect architecture and what must keep running. We will map out the right resilience with you.

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