

# Large-Scale Surveillance Solution

## Critical Video Surveillance Infrastructure

UP TO  
**90%**  
STORAGE  
EFFICIENCY

**NO**  
DOWNTIME

**NO**  
DATA LOSS

LOWER \$/TB

VS. NETWORK VIDEO RECORDERS

UP TO 7 PB

IN A SINGLE RACK

192-336 TB

HDD CAPACITY PER APPLIANCE

ADVANCED

FAULT TOLERANCE

LONGER

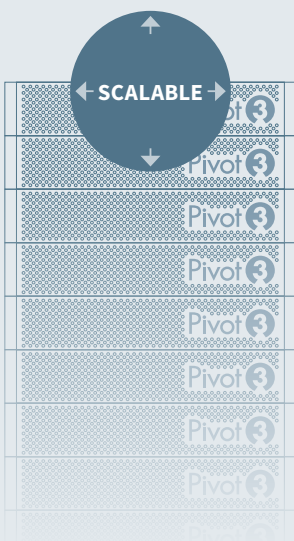
VIDEO RETENTION TIMES



All-in-one infrastructure solutions, designed for video surveillance.

Pivot3 enables organizations to consolidate data storage, video management, access control and other related security applications onto a single, all-in-one IT infrastructure that delivers the performance, resiliency and scalability required by modern surveillance technologies.

This new approach, called hyperconverged infrastructure (HCI), combines server and storage resources on modular, scalable appliances that provide advanced resiliency capabilities so organizations can store video data without loss, protect their data during failure events, and ensure their data is always available when and where it is needed. Designed for ease of use by non-technical personnel, Pivot3's single-pane-of-glass management reduces IT complexity so organizations can focus on their business.



### Maximize Uptime

Ensure video data, applications and integrated systems remain available and accessible, even in the event that disks or an HCI appliance is unavailable with Pivot3's data protection and failover technology. Storage will remain online, virtual servers automatically restart, and recorded video will remain protected and accessible, all without the need for redundant software, licensing or hardware.

### Simplify Management

Managing separate storage, server and management interfaces for video surveillance is complex and time consuming. With Pivot3, servers and storage are virtualized into a single surveillance infrastructure designed to run video management, access control, analytics and related applications. A simple, centralized user-interface and automated administrative functions means no specialized skills are needed to manage this enterprise-class infrastructure.

### Scale On-Demand

Deploy Pivot3 with only the server and storage resources you currently need, minimizing cost and overprovisioning. As camera counts grow and new technologies are integrated, scale storage, compute and bandwidth linearly, and non-disruptively, as each additional appliance is added.

### Eliminate Frame Loss

Purpose-built to handle the unique requirements of modern video surveillance workloads, Pivot3 eliminates frame drops to ensure video loss and image degradation never occur. Every HCI appliance's capacity and performance resources are aggregated and available to every camera, so you can be confident that cameras will get the sustained performance they require, even when major hardware failures occur.

## Pivot3 Surveillance Infrastructure Solutions

### NEVER DOWNTIME OR DATA LOSS

- Patented Erasure Coding
- 5 drives or full-node data protection
- Automated server failover
- No single points of failure

### SUSTAINED VIDEO INTEGRITY

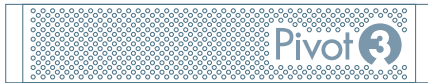
- Solid-state write cache
- Pooled cache and disk resources
- Parallel active/active storage controllers
- Virtual sparing for fast disk rebuilds

### PAY AS YOU GROW

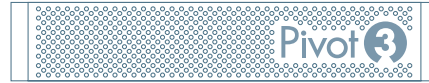
- Scale compute, capacity and bandwidth with a single appliance
- Grow capacity with storage-only appliances
- Online and auto load balanced
- Storage efficiency improves with scale

## PIVOT3 LARGE-SCALE SURVEILLANCE SOLUTION

### Surveillance Appliance



### Storage-only Appliance



#### Model Name

V5-2000

V5-2000s

#### HDD Capacity

192, 224, 240, 288, 336 TB

192, 224, 240, 288, 336 TB

#### SSD Capacity

-

-

#### SSD Caching

Yes

Yes

#### Max Appliances per vPG\*

12

12

#### Max Storage per vPG

3.45 PB

3.45 PB

#### Server Virtualization

VMware ESXi Standard

-

#### Virtual Clients

-

-

#### Software Defined SAN

Yes

Yes

#### GPU

-

-

#### PCoIP Offload

-

-

#### CPU

2x 12-Core Intel 4116 **or** 2x 20-Core Intel 6138 **or**  
2x 12-Core Intel 4214 **or** 2x 20-Core Intel 62302x 6-Core Intel 3104 **or** 2x 6-Core Intel 3204

#### RAM

64, 96 GB

32 GB

#### Networking

6x 10GbE (SFP+ or RJ45)

4x 10GbE (SFP+ or RJ45)

\* A Virtual Performance Group (vPG) is a logical, scale-out construct that includes both virtualized servers and storage.

For more information, visit [Pivot3.com](http://Pivot3.com)