# Surveillance Series

**Critical Video Surveillance Infrastructure**

**UP TO 90% STORAGE EFFICIENCY**

**NO DOWNTIME**

**NO DATA LOSS**

## LARGE-SCALE
2U SURVEILLANCE APPLIANCE

## V5-2000
2U SURVEILLANCE APPLIANCE

## EDGE PROTECT
1U SURVEILLANCE APPLIANCE

## V5-2000s
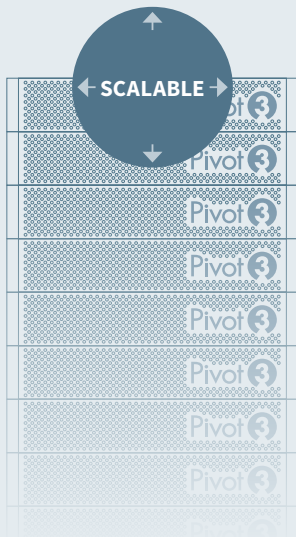2U STORAGE APPLIANCE

## V5-6400
VIRTUAL SECURITY APPLIANCE

## 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 into 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. And with its simple, single-pane-of-glass management, designed for ease of use by non-technical personnel, Pivot3 reduces IT complexity so organizations can focus on your business.

**SCALABLE**

### 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.

### 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.

### 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.

### 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
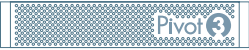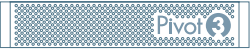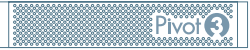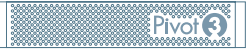
## FULLY-FUNCTIONAL CLIENT ACCESS*

- Up to 65 1080p, 30fps video streams
- Any device – phone, tablet, zero-client, workstation, video wall
- Any VMS, plus integrated systems
- Secure communications
- Lower bandwidth

## 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

*Virtual Security Appliance Only (V5-6400)*

## PIVOT3 SURVEILLANCE SERIES APPLIANCES

| | 2U Surveillance – Large-Scale | 2U Surveillance | 1U Surveillance | 2U Storage-only | 2U Virtual Security |
|---|---|---|---|---|---|
| **Model Name** | V5-2000 | V5-2000 | Edge Protect | V5-2000s | V5-6400 |
| **HDD Capacity (TB)** | **S2:** 192, 240, 288 | **L2:** 12, 24, 48, 96, 120, 144<br>**D2:** 16, 32, 64, 128, 160, 192 | 4, 8, 16, 32 | **S2:** 192, 240, 288<br>**L2:** 12, 24, 48, 96, 120, 144<br>**D2:** 16, 32, 64, 128, 160, 192 | - |
| **SSD Capacity (TB)** | - | - | - | - | 3.8 |
| **SSD Caching** | Yes | Yes | No | Yes | No |
| **Max Appliances per vPG*** | 12 | 12 | 6 | 12 | 16 |
| **Max Storage per vPG** | 3.45 PB | 2.3 PB | 192 TB | 2.3 PB | 60.8 TB |
| **Server Virtualization** | VMware Foundation | VMware Foundation | VMware Foundation | - | VMware ESXi |
| **Virtual Clients** | - | - | - | - | VMware Horizon |
| **Software Defined SAN** | Yes | Yes | Yes | Yes | Yes |
| **GPU** | - | - | - | - | 1-2x NVIDIA Tesla M10 or M60 |
| **PCoIP Offload** | - | - | - | - | 1x Teradici Apex 2800 LP |
| **CPU** | 2x 12 Core Intel 4116 or<br>2x 20 Core Intel 6138 | 1x 12 Core Intel 4116 or<br>2x 12 Core Intel 4116 | 1x 4 Core Intel ES-1270 | **L2 & D2:** 1x 6 Core Intel 3104<br>**S2:** 2x 6 Core Intel 3104 | 2x 20 Core Intel 6138 |
| **RAM (GB)** | 64, 96 | 48, 96 | 16, 32, 64 | 32 | 384, 768, 1536 |
| **Networking** | 6x 10GbE (SFP+ or RJ45) | 6x 10GbE (SFP+ or RJ45) | 4x 1GbE (RJ45) | 4x 10GbE (SFP+ or RJ45) | 6x 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 www.CopperRiverTech.com/Pivot3.com