

# EDGE PROTECT

Small footprint. Big results.

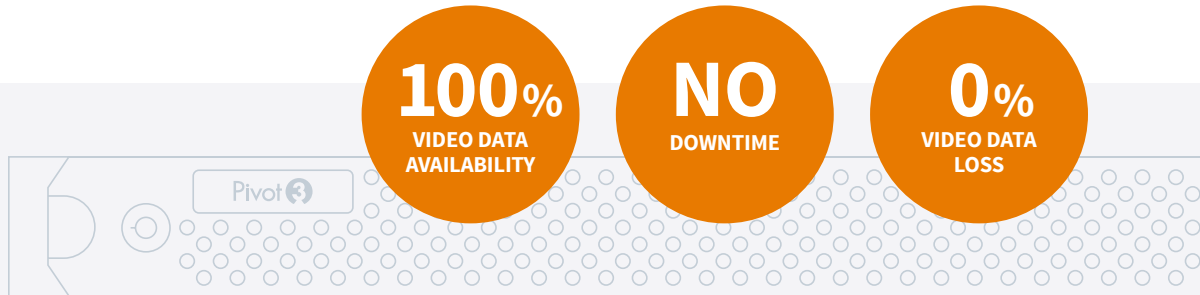
INTEL  
XEON  
PROCESSOR

16–64 GB  
RAM

4–32 TB  
HDD SATA

4 x 1GbE  
NIC

VMware ESXi  
HYPERVISOR



Cost-effective and easily manageable for small, medium and distributed environments

Edge Protect is a hyperconverged SAN storage solution that delivers enterprise-class IT capabilities on off-the-shelf server hardware. Users quickly realize the benefits of highly efficient shared storage and built-in failover without the complexity or cost typically associated with infrastructure based on separate servers and SAN storage.

### Software-Defined SAN Storage

Storage resources from all nodes in an array are aggregated into a shared pool that all cameras and related applications can access regardless of which physical server they reside on. This eliminates islands of stranded capacity, delivers highly efficient storage utilization and ensures that all data stored remains protected and accessible even during drive failures.

### Integrated Server Virtualization

Consolidate video management, access control and other related applications onto a single platform, eliminating the need for separate physical servers and providing much higher levels of resiliency and fault tolerance to the entire application suite. Reduce costs, complexity and valuable rack space.

### Advanced Fault Tolerance

Typical server and storage solutions use aging RAID technology to prevent data loss in the event of one or two disk failures. Pivot3's patented scalar erasure coding technology protects data against the failure of up to three disks simultaneously or the loss of an entire appliance plus two additional disks in the virtual protection group.

### Built-In Server Failover

In the event of hardware failures, virtual servers automatically restart on another appliance with no user intervention. With Pivot3 failover, previously recorded video remains fully accessible, and there is no need for additional software, licensing or redundant hardware.

## Edge Protect Specifications



**EDGE PROTECT NODE**

- Intel Xeon E3-1270 v5 3.6GHz CPU
- 16GB 2133 MT/s RAM configurable to 64GB
- 4 x Enterprise SATA hard drives
- 4, 8, 16, 32 TB total storage configurations
- 4 x 1GbE Network Interface Card
- vSTAC OS, vSTAC Manager, VMware ESXi Hypervisor



**VIRTUAL PROTECTION GROUP (vPG)**

- Maximum 6 nodes per Virtual Protection Group
- Storage Protection Levels
  - EC 1: disk or 1 node failure
  - EC 3: 3 disks or 1 disk + 1 node failure
- Up to 192TB iSCSI Virtual HyperSAN in a single vPG
- Up to 600 Mbps Video Throughput

### Virtual Server Protection

- Pivot3 VM Failover™ for high availability
- No separate software or licenses required
- One-click UI selection

### Dynamic Storage Management

- Dynamic logical and physical capacity expansion
- Dynamic disk and RAID controller load-balancing
- Dynamic iSCSI multi-path and load-balancing

### Storage Protection

- No single point of failure
- Distributed virtual sparing
- Predictive drive sparing
- Multi-path protection for iSCSI connections

### Alarms and Alerts

- State-sensitive LEDs indicate drive events
- vSTAC Manager indicates state changes
- SNMP MIB support for email notification and third party integration

**For more information, visit [www.pivot3.com](http://www.pivot3.com)**