Pivot3

Safe Airports

Top Reasons to Modernize Airport Surveillance and Security Operations
with Pivot3 Hyperconverged Infrastructure

Mission-Critical Performance for Video Surveillance, IT and Security Systems

Pivot3 delivers intelligent hyperconverged infrastructure (HCI) solutions purpose-built for mission-critical video surveillance, security and IT operations in modern airport environments. Specifically designed to handle the performance requirements of large-scale deployments of video cameras, video management systems (VMS) and integrated security applications, Pivot3 maintains consistent throughput to deliver the performance airports need to eliminate video frame loss and image degradation, and ensure streaming video is always recorded without interruption, even during system upgrades, failure events, and degraded mode conditions.

Scale Predictably as Airport Grows

Airport infrastructure requires a calculated approach to growth planning and management. Physical security and IT operations teams must consider the consistent expansion of new data sources such as cameras, Internet of Things (IoT) sensors and devices, as well as other system integrations like access control, and perimeter and flow detection. Pivot3's architecture enables teams to independently scale video and data storage capacity, server performance, and effective bandwidth for more predictability and control in how they accommodate the growth of their environment. New software applications, nodes or expansions may be added without disruption to system-wide operations, providing airports with the flexibility and confidence they need to predict growth, conserve IT budgets and allow for smart future planning.

Simple, Centralized Management

Airport environments are a diverse mix of surveillance and security applications and often multiple IT systems that control different functions, which drives up total cost of ownership and maintenance costs, while also exposing the airport to risk and liability. Pivot3 provides centralized management for various IT, surveillance, IoT and security applications with a single-pane-of-glass console that does not require specialized IT skills to administer. By consolidating multiple mixed workloads on a single, hyperconverged platform under one management layer, airports gain more control of their mission-critical applications while reducing costs on personnel and system maintenance.

Multi-tenant Security

In order to ensure secure operations and safe spaces, airports rely on continuous interaction with numerous agencies, organizations and technology partners, and as a result can face complex data security issues in terms of regulations, policy, compliance and related potential liabilities. Pivot3 offers secure multi-tenancy for the capture, storage, management and access of mission-critical and sensitive data in compliance with regulations or security policies. With role-based access controls and monitoring, Pivot3 ensures airport administrators, users, partners and agencies may only access data and content to which they hold permissions.

As a result, airport video, access control and other sensitive data stays where it is meant to run and remains secure as it is made available to the appropriate agency or partner tenant, which improves operational efficiency and reduces exposure to security threats.

Industry-leading Resilience and Intelligent Data Protection

Pivot3 provides airports with industry-leading resilience and intelligent data protection for always-on data availability, uninterrupted non-stop service delivery, and seamless operations in disaster situations. Patented erasure coding and high fault tolerance eliminates downtime and data loss and sustains performance during degraded mode conditions, while proactive monitoring, analytics and diagnostics ensures system health and predictable operations. Additionally, Pivot3 provides automated application failover, no single points of failure and predictable high performance to deliver high availability and higher storage capacity utilization to lower total cost of ownership in large-scale airport security and surveillance deployments.

For more information, visit Pivot3.com