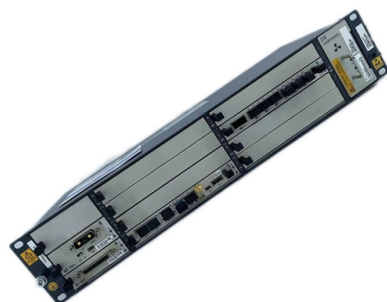


Airport Fiber Optic KVM Technology Brand



Overview

How the top 10 super hub airports in the world use fiber optic KVM to. Use KVM extenders from the Draco vario and Draco compact series to extend signals.

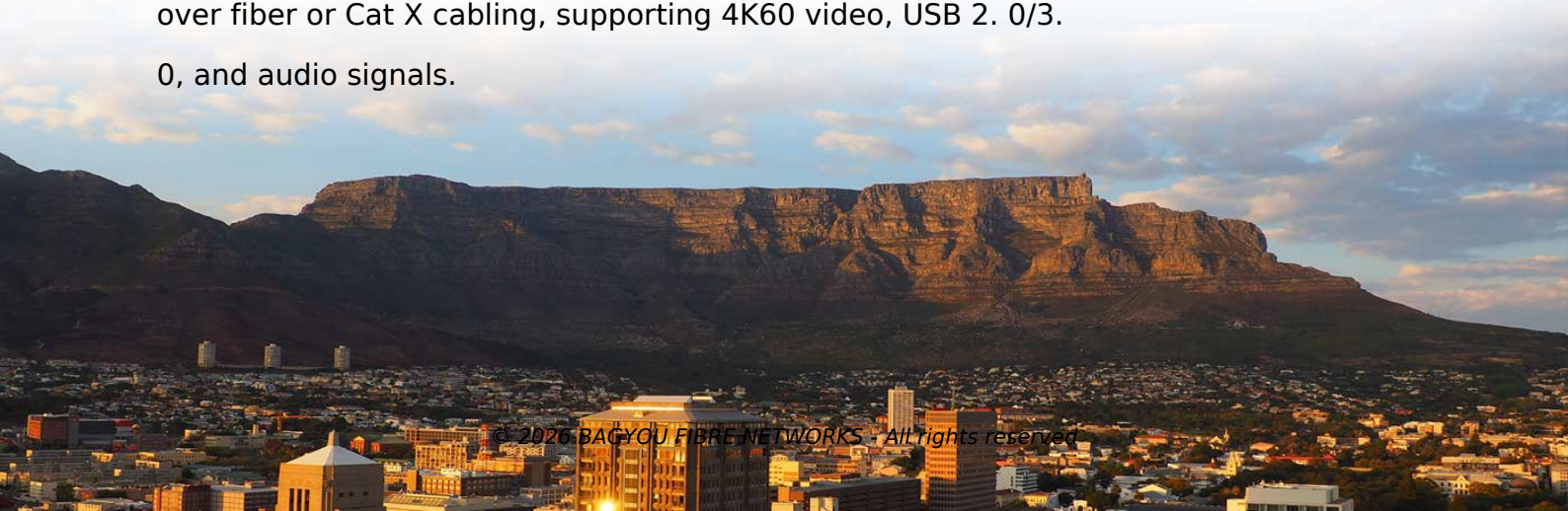
Key Takeaways

Leading manufacturers of airport-grade fiber optic KVM technology include kvm-tec, IHSE, AVCiT, and Adder Technology, offering high-performance, low-latency solutions for mission-critical airport operations. Key Manufacturers and Solutionskvm-tec An Austrian company specializing in KVM extenders and switching systems for control centers, kvm-tec provides solutions with extremely low latency (as low as 5ms) and high reliability for 24/7 operations. Their products support high-resolution video transmission over CAT cables and LVDS integration for direct monitor control. kvm-tec's MVX extenders enable full HD transmission and USB device compatibility, making them suitable for airport control rooms and security systems.

IHSE IHS

E develops advanced KVM extenders and matrix switches widely used in airports such as Berlin, London Heathrow, Singapore Changi, and Amsterdam Schiphol. Their Draco tera and Draco vario systems allow real-time remote access to multiple computers over fiber or Cat X cabling, supporting 4K60 video, USB 2. 0/3.

0, and audio signals.



IHS

E solutions are modular, redundant, and designed for 24/7 mission-critical operations, including air traffic control, baggage handling, and apron management. AVCiT's Phinx Fiber KVM system uses FPGA-based processing to transmit uncompressed video over fiber with 12G bandwidth and 4: 4: 4 chroma. It allows operators to control multiple workstations from a single keyboard and mouse, share monitor content to video walls, and maintain high image quality over long distances.

The system is isolated from the internet for enhanced security, making it ideal for ATC and airport operation control rooms. Adder Technology Adder provides IP KVM solutions for air traffic control, enabling centralized management of multiple airport systems with secure, low-latency access. Their technology supports remote tower operations, multi-user collaboration, and encrypted connections, ensuring operational continuity and high security.

Adder's KVM extenders and switches are designed to reduce clutter, improve focus, and maintain real-time performance across multiple mission-critical systems.

Summary

These manufacturers offer fiber optic KVM solutions tailored for airports, emphasizing: High-resolution, low-latency video and USB transmission Redundant and secure operation for 24/7 mission-critical environments Support for multiple monitors and centralized control Compatibility with air traffic control, baggage handling, and airport security systems Choosing between these providers depends on specific requirements such as distance, number of workstations, video resolution, and security protocols. All four companies—kvm-tec, IHSE, AVCiT, and Adder Technology—are recognized for reliability and performance in airport operations.

Article Content

How the top 10 super hub airports in the world use fiber optic KVM to ...

Use KVM extenders from the Draco vario and Draco compact series to extend signals on existing Category 7 network cable infrastructure. Thanks to Mix&Match technology, KVM signals can

Guntermann & Drunck

Remote Operation of Computers For Air Traffic Controllers
 Accessing Multiple ATC Computers from One Console
 Monitoring and SNMP Solutions For Mission-Critical Applications at Airports
 KVM boosts and switches computer signals, enabling remote operation of computers or simultaneous access to multiple devices. G&D KVM solutions have been designed to optimise productivity for both personnel and IT equipment, enhancing operations. Clients gain the advantage of having a user-friendly workstation that has been specifically designed for...
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 IHSE

KVM Solutions for Airports | IHSE

The new ATC tower comprises a fully-redundant KVM matrix switching solution for fail-safe operation in critical situations. The KVM system instantly connects

kvm-tec electronic

kvm-tec electronic is the Austrian developer and manufacturer for KVM extenders and switching systems for control centres. The company's products have a failure rate of less than 0.10%, and its patented

Transport

Adder's solutions are helping global aviation hubs mitigate single points of failure, improve IT security, maximize networking capability, and streamline desktop ergonomics; all to ensure smoother

AVCiT-Fiber KVM Matrix Solution for Airport Operation Control Room

AVCiT's Phinx Fiber KVM system allow to separate computers from operator console desk and store them into centralized data center, where is well-cooling, safe and easier to manage.

Air Traffic Control | KVM Applications | Adder Technology

With multiple levels of system redundancy, backup, and failsafe operation, IP KVM ensures continuous and mission-critical operation, thereby enhancing the efficiency and reliability of airport activities.

Air Traffic Control & Command Technology | Black Box

A major airport's technical watch center (TWC) needed to upgrade its outdated KVM Matrix equipment crucial for air traffic control. Black Box provided an IP KVM solution, ensuring low bandwidth, fanless

Adder Technology

Adder design and manufacture an advanced range of Airport KVM Switches, Extenders and IP Solutions which enable the reliable control of local, remote and global IT systems. Adder was established in

KVX KVM Extenders

KVX KVM Extenders Keeping its citizens safe from personal and property crimes by monitoring, transmitting, and recording images via CCTV is a priority for any airport. Surveillance cameras are

G&D KVM Systems Support German Air Traffic Control Service

DFS Deutsche Flugsicherung operates the airport control towers of all German international commercial airports, and does so with the technology backing of G&D KVM systems.

Why Optical KVM Extenders are Essential for ATC

ATEN USB True 4K DisplayPort/HDMI Optical KVM Extenders are purpose-built for these high-stakes settings, providing crystal-clear video, ultra-low latency, and

BER Airport relies on IHSE KVM solution for control rooms

Norman Beneke Consultant IT-Solutions, Berlin Brandenburg Airport The KVM system used provides direct connections (point-to-point) between the computers and the workstations via

KVM Solutions for Airports | IHSE

Airports operate several different control centers which are manned 24/7 throughout the year and are critical to airport operations. In addition to Air Traffic Control towers, these include control rooms for

Berlin Brandenburg Airport relies on IHSE KVM solution for control ...

Norman Beneke Consultant IT-Solutions, Berlin Brandenburg Airport The KVM system used provides direct connections (point-to-point) between the computers and the workstations via Cat cabling. For

Berlin Brandenburg Airport Relies on IHSE KVM ...

The KVM system used provides direct connections (point-to-point) between the computers and the workstations via Cat cabling. For 2021, in addition to the changeover to fiber optic cabling, an

SITA, Tellabs introduce fibre-optic network solution for airports

SITA, in collaboration with Tellabs, has launched a passive optical LAN (PON) system designed to provide reliable, scalable, and secure network infrastructure across airport campuses

Fibre Optic Airport Networks | Critical Aviation Infrastructure

Professional fibre optic airport infrastructure for 99.999% availability. Redundant systems for air traffic control, security, and baggage handling. Learn about design, standards and

How Does IP KVM Technology Optimize Air Traffic Control Systems?

However, how can airport staff work efficiently to handle large amounts of passenger information? In this article, we will present the challenges in air traffic control systems and explore

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

