



Arbitex CCTV management solution

Arbitex is a software application to continuously monitor the operation of cameras in large CCTV systems, automatically alerting if cameras are mis-aligned or not fully functional to optimise system performance and reduce maintenance costs. The Arbitex solution was specifically developed for existing CCTV camera estates and may be deployed on any legacy, analogue or IP cameras. Supporting over 25,000 cameras deployed across Network Rail and London Underground stations, Arbitex provides applications for pro-active monitoring of camera performance, legacy camera integration and introduction of AI analytics.

Proven in public transport, airports and car parks, and ready to simplify maintenance, improve up-time and enhance functionality of existing CCTV systems wherever safety and security are priorities.

Technology Features

Supporting a vendor agnostic approach, Arbitex was developed by Telent to enhance the maintenance, operation and functionality of existing analogue and digital CCTV systems.

Remotely monitor CCTV camera

performance for any blank, dirty or alignment anomalies against a benchmark image, providing automatic alerting of detected issues.

Integration of CCTV cameras from different manufacturers into a single management system, including a mix of digital and analogue cameras.

Tools to simplify camera alignment,

enabling single handed resolution of camera alignment problems and new camera installation.

CCTV camera AI analytics features for people counting, with additional modules to detect multiple scenarios including aggressive behaviour and abandoned bags, with automatic alerting when these situations are detected.

Key Benefits

Reduced Maintenance Cost – Centrally manage estate-wide CCTV to avoid the need for multiple onsite deployment, typically saving 30% on maintenance cost.

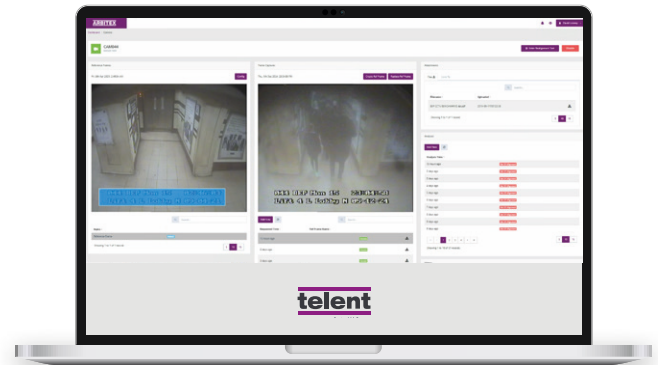
Improve Camera Availability – Receive daily alerts & notifications on camera alignment, focus and faults.

Increase First-Time Fix Rate – Gain detailed issue diagnostics to optimise resolution strategies.

Vendor Agnostic - Integrates easily into any CCTV system and can be used across Analogue and Digital CCTV estates to simplify management via a single system.

User Configurable CCTV Analytics – Enhance business insights and intelligence with customisable analytic dashboards.

AI Intelligence – Capture data via CCTV intelligence to monitor key events, gathering data for people counting and crowd density. Avoids the need for control room staff to continually monitor all camera feeds, the system will automatically alert and present camera feeds where suspicious and anomalous activity has been detected.



All-in-One CCTV Export System – Additional modules can be provided for full request. management with online request forms automatically creating cases in the CMS providing automated remote footage retrieval. The built-in footage editing tools include face detection and redaction capability. Compliance is assured with automatic recording of all actions carried out by both users and by the system in a fully auditable database.

Case Study: Transport for London

Transport for London (TfL) has around 14,000 CCTV cameras across the London Underground to help ensure passenger safety and security. Arbitex enables Telent to proactively and remotely identify when cameras are out of focus, misaligned or faulty, without having to wait for station staff to report problems. This ensures increased availability of the camera estate, pro-active detection and faster resolution of problems leading to maintenance cost reduction and fewer engineer visits, resulting in reduced carbon emissions.

The Arbitex system works with both digital and analogue video systems and enables the addition of advanced. AI analytic features such as people counting and detection of specific scenarios to further enhance the safety and efficiency of TfL operations.

