HEALTH CHECK

Health Check is part of Gatekeeper G4 Vision suite of functionality. It is a simple to use, cloud-based service that automatically reports on the health of a bus DVR system. Multiple fleets or multiple yards are easily managed. Using a wireless connection to the mobile DVR, Health Check reports back on the health of the on-board DVR's and Camera system to the G4 Vision Software. Health Check requires the DVR to have wireless connectivity. This wireless connectivity can be either cellular or WiFi. When a DVR starts to record video, a file is created that reports on the health of the DVR.

GATEKEEPER
HEALTH CHECK

CLOUD-BASED SERVICE MONITORS, REPORTS ON DVR & CAMERA HEALTH

G4 Vision
HEALTH CHECK

KEY FEATURES:

- Cloud-based service
- Multi-platform support
- Wirelessly monitor and report DVR system status
- Fleet wide monitoring
- User friendly interface
- Track past performance
- Image quality analyzed using Artificial Intelligence
- True end to end system test

ARTIFICIAL INTELLIGENCE
DEEP LEARNING ALGORITHM

GATEKEEPER

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HEALTH CHECK ADVANCED

Using artificial intelligence (AI), Gatekeeper Health Check Advanced notifies you if your video system is vandalized or not operating properly.

Deep learning algorithms are designed to analyze video images and report on the following problems:

Impaired image

- Scratched lens
- Partial obscured camera lens – cause by a sticker or tape for example
- Petroleum jelly on the lens
- Paint of felt pen markings of the lens
- Rolling video (video that has lost sync)
- Black/blue video

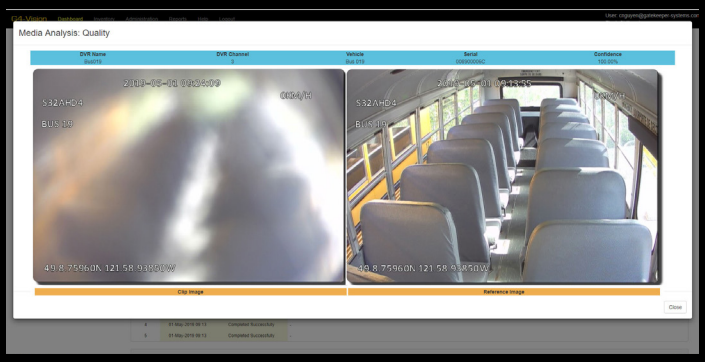

Figure 1 on the left shows a camera lens that has been vandalized with petroleum jelly vs the one on the right showing normal lens.

Camera Aiming

Health Check Advanced identifies when internal aimed cameras have changed from their original position. Gatekeeper's artificial intelligence with deep learning algorithms is a technological breakthrough and provides superior performance compared to conventional health monitoring systems.

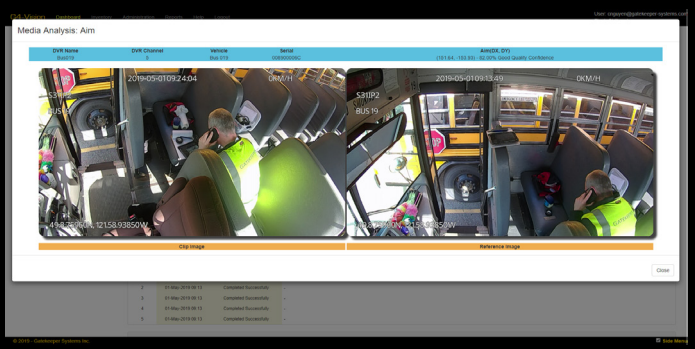

Figure 2 on the left shows a cameras aim has changed as opposed to the image on the right where the aim has not been manipulated. Health Check will report such issues on the dashboard.

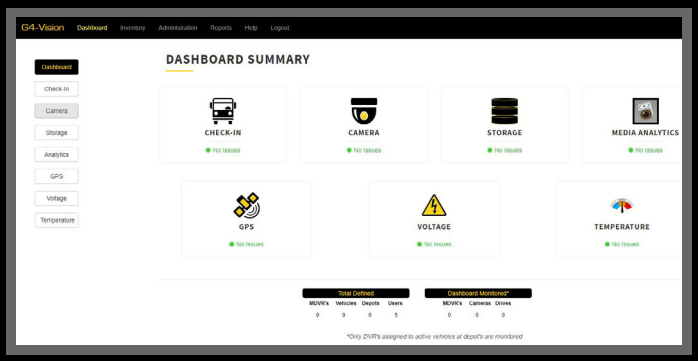

Figure 3 shows Health check Dashboard on our G4 Vision suite. On this screen the user gets a summary of health of the fleet of DVR's. Using the dashboard, a user can quickly see if there are any issues and the type of issues with the fleet.

SERVICE OFFERINGS

Gatekeeper offers the following services of Health Check:

- Customer Self Managed
- Gatekeeper Managed
- Gatekeeper Managed / Repair Contract