flock safety

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Overview of Flock Safety End to End Data Security

The following is an overview of the end to end data security of the Flock Safety system. The Flock Safety system is defined as the combination of the Flock Safety ALPR camera and the Flock Safety built software hosted in the Flock Safety AWS Cloud environment.

All footage taken by the cameras is encrypted at rest while on the camera. Additionally, unlike more traditional LPR solutions, the Flock Safety cameras have no public IP, and therefore, it is not possible for anyone to connect to the camera remotely to access footage.

Once the footage is ready to be uploaded and in turn processed, the camera pushes the footage to the cloud, as the lack of a public IP mean there is no remote access to the camera. The footage is sent using secure sockets and a proprietary handshake developed by Flock Safety. Additionally, all footage is encrypted in transit.

Once in the cloud, all footage is encrypted at rest and all CJIS data is stored in the AWS Gov Cloud. Flock Safety uses KMS based encryption, instead of AES, therefore, limiting access to the encryption keys to only a few select Flock Safety employees (when using AES, Amazon also has access to the encryption keys). These employees have undergone extensive background checks (as have all Flock Safety employees), as well as CJIS compliance training and the required fingerprinting.

CJIS data is only made available to Law Enforcement agencies who have signed a Memorandums of Understanding (MOUs) that governs the sharing of this data between Flock Safety and the Law Enforcement agencies. No CJIS data is shared with non-Law Enforcement Flock Safety Customers.

Access to all CJIS data, along with all activities taken by users of the Flock Safety system are logged and available for auditing. Flock Safety has a set of alarms that help to monitor the health of the cameras; however, no Flock Safety employee monitors the footage taken by customer cameras unless they are given express permission from the customer (this permission and activity is also logged). Finally, all Flock Safety activities and process are governed by the Flock Safety Internet Security Policy.