



National Safe Skies Alliance

Program for Applied Research in Airport Security

Project Statement

PARAS 0034

Security Camera Considerations at Airports

Funds: Up to \$150,000
Contract Time: 12 Months
Staff Responsibility: Jessica Grizzle
Fiscal Year: 2020

The Project Statement below has been selected by the Safe Skies Oversight Committee and will be the starting point for a panel of experts to develop a Request for Proposals (RFP). The RFP is expected to be available in early 2020.

Video analytics are changing the way airports approach security. This technology can provide airports with the opportunity to add great value to their security infrastructure. However, as a complex technology, it also has the potential to add even greater problems. Analytic technology is a large undertaking that should be approached with a solid understanding of its strengths, limitations, optimal operating conditions, and privacy concerns.

Guidance is needed to assist airports with best practices and issues to consider when they upgrade to a camera system that utilizes video analytics or optimize/expand an existing system. Topics addressed would include installation considerations (camera placement, proper field of view, lens/sensor selection, etc.), proper calibration, and ongoing system evaluation. Even without analytics, many camera considerations should be addressed to optimize their use. Additionally, recent concerns surrounding the privacy of data collected and how it may be used/exploited by the equipment manufacturer should be considered.

The objective of this research is to develop guidance that is technology and vendor agnostic to assist in the understanding of camera considerations, limitations, and future planning to help airports optimize their surveillance system, which may or may not include video analytics.