

**Project Report**

**For**

**Hitachi**

Revision: 1.0

Generated By

Hitachi Design Simulator Platform & Services

Revision	Change Details	Date
1.0		Jul 25 2017

## References:

- 1.[https://ec.europa.eu/home-affairs/sites/homeaffairs/files/e-library/documents/policies/security/pdf/secerca\\_final\\_report\\_volume\\_\\_1\\_main\\_report\\_en.pdf](https://ec.europa.eu/home-affairs/sites/homeaffairs/files/e-library/documents/policies/security/pdf/secerca_final_report_volume__1_main_report_en.pdf)

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## 1.Project Scope:

This is an automated report generated for project using Hitachi Design Simulator Platform & Services. The report includes the scene where the camera is placed and details about the coverage of the selected camera.



Fig.Project Overview

## 2. Project Scenes Layouts

### 2.1 Scene [A]

#### Camera 1

Camera FOV	20.00 deg
Distance	4.2 ft
Camera tilt	( -180.00, 10.24, -180.00 ) deg
Camera focus	10.0 mm



Fig. Camera 1 position



Fig. Camera 1 Simulation

## 2.2 Scene [B]

### Camera 2

Camera FOV	20.0 deg
Distance	5.8 ft
Camera tilt	( -91.57, -45.03, -88.16 ) deg
Camera focus	10.0 mm



Fig. Camera 2 position



Fig. Camera 2 Simulation

### 3. Field of View (FOV) Coverage Area Estimation

Scene ID	Cam ID	Max. FOV Angle	Lens Focal	Est. distance from target	Est. Coverage(%)
1	1	20x20	10 mm	4.2 ft	12.5%
2	2	20x20	10 mm	5.8 ft	18.2%

Fig. Est. Coverage Area of Project Site

## 4. Project Selected Hardware

Category (Security Cameras)	Brand/Model	QTY	Est. Unit Cost	Additional Info
IP Camera	Add Camera	2	\$500	ONVIF, PoE, 3yr Warranty
	Total	2	\$1000	

Fig. Hardware List of Project Site

## 5. Project Resource Requirements

Cam ID	Resolution	Codec	FPS	Days	Activity	Rec. Profile	B/W (Mbps)	Storage(GB )
1	1920x1080	H.264	30	30	Med. Indoor	Cont. 24H	23.73	7508.32
2	1920x1080	H.264	30	30	Med. Indoor	Cont. 24H	23.73	7508.32
						Total	47.46	15016.64

Fig. Bandwidth and Storage Resource Requirements of Project Site

## 6. Project Compliance Assessment

