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

Table of Contents

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.
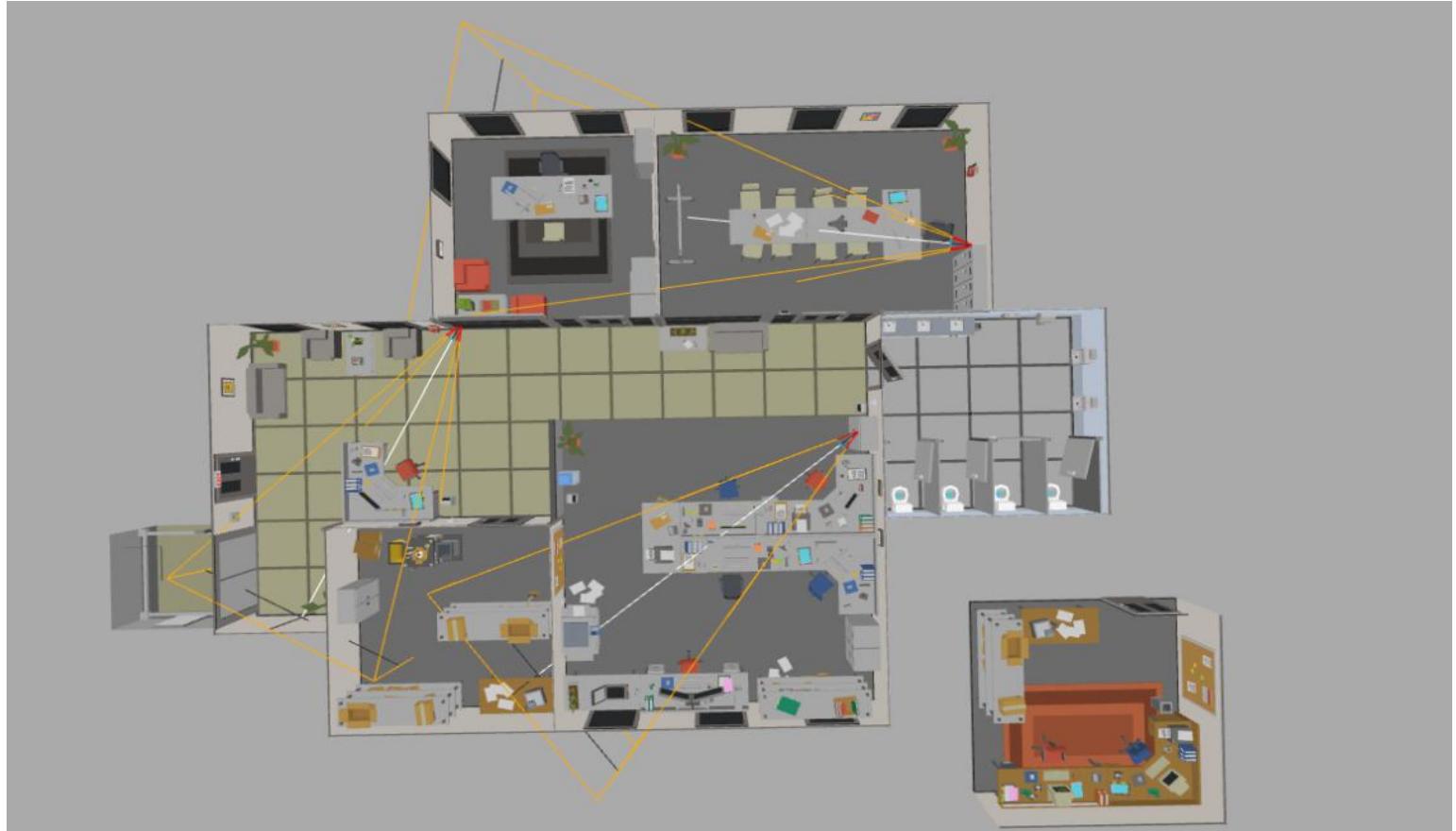
Fig.Project Overview

# 2. Project Scenes Layouts

2.1 Scene [A]

Camera 1

Camera FOV	20.0 deg
Distance	19.0 ft
Camera tilt	(-12.33, -50.13, -15.90) deg
Camera focus	10.0 mm

Fig. Camera 1 position
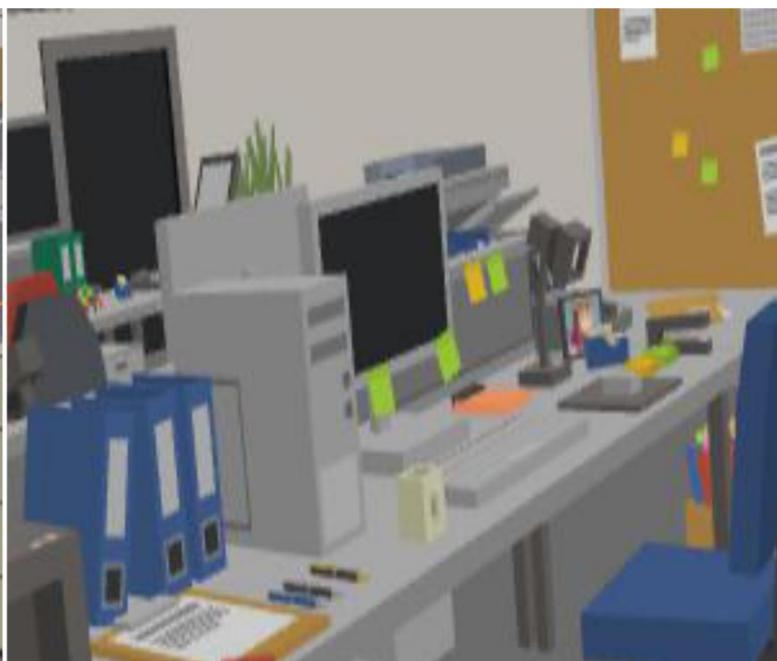
Fig. Camera 1 Simulation

2.2 Scene [B]

Camera 2

Camera FOV	20.0 deg
Distance	16.0 ft
Camera tilt	(0.12, -27.60, -3.90) deg
Camera focus	10.0 mm
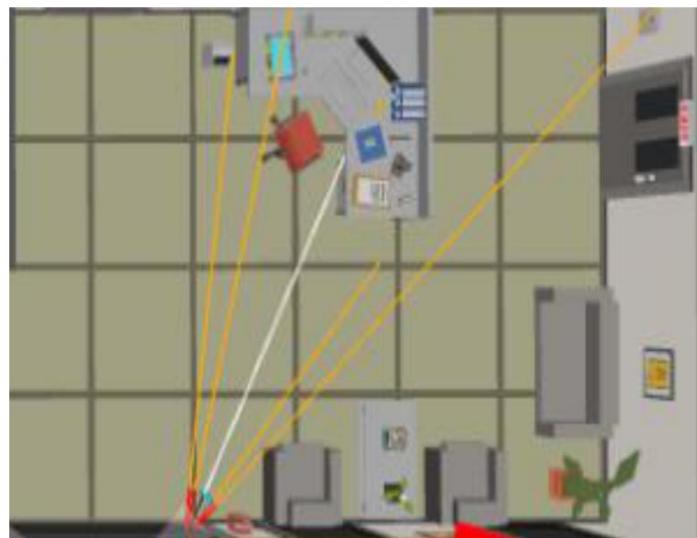
Fig. Camera 2 position
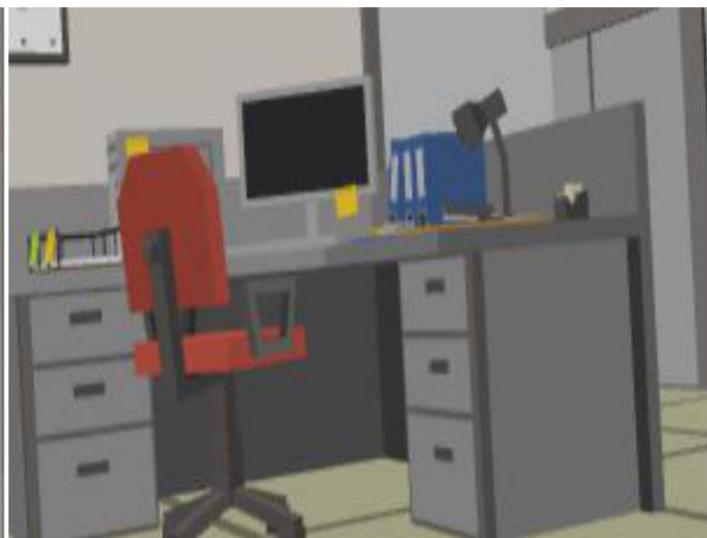
Fig. Camera 2 Simulation

2.3 Scene [C]

Camera 3

| Camera FOV	20.0 deg
Distance	24.0 ft
Camera tilt	(-125.94, -72.58, -127.28) deg
Camera focus	10.0 mm
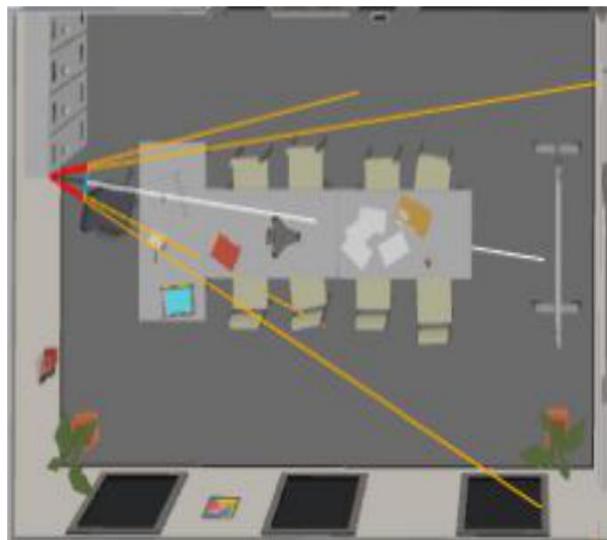
Fig. Camera 3 position

Fig. Camera 3 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	19 ft	16.5%
2	2	20x20	10 mm	16 ft	9.1%
3	3	20x20	10 mm	24 ft	23.0%

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	3	$500	ONVIF, PoE, 3yr Warranty
	Total	3	$1500	

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
3	1920x1080	H.264	30	30	Med. Indoor	Cont. 24HI	23.73	7508.32
						Total	71.19	22524.96

Fig. Bandwidth and Storage Resource Requirements of Project Site

6. Project Compliance Assessment