



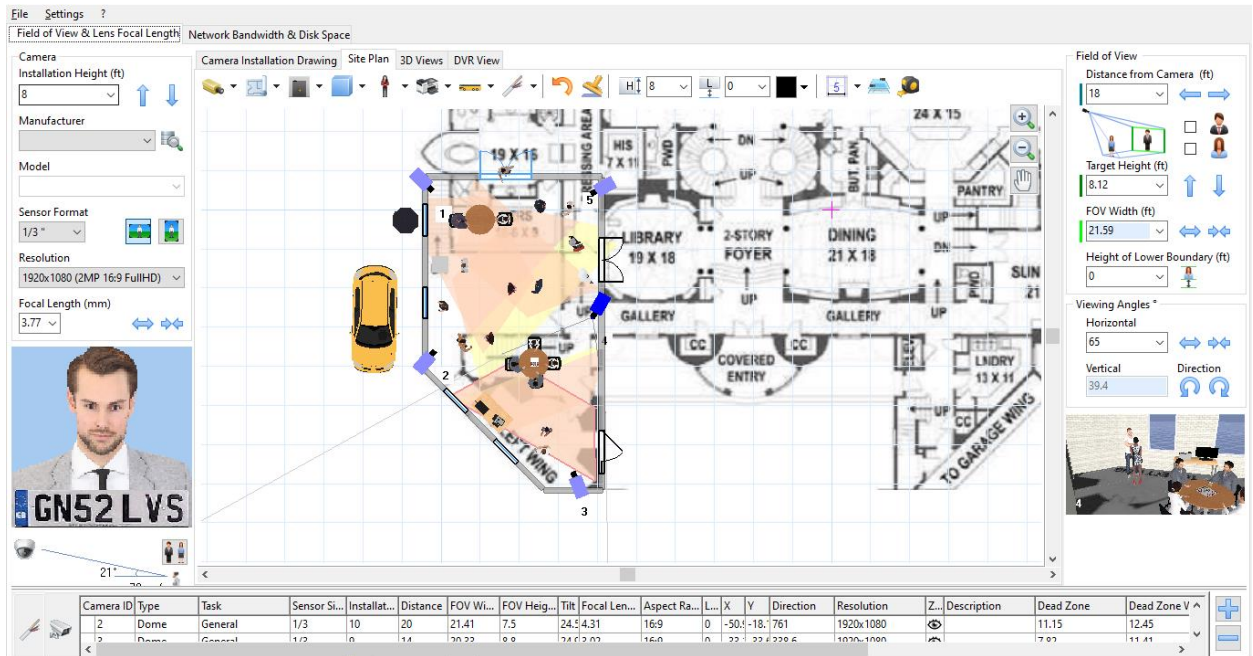
PHYSICAL SECURITY

ASSIGNMENT 01

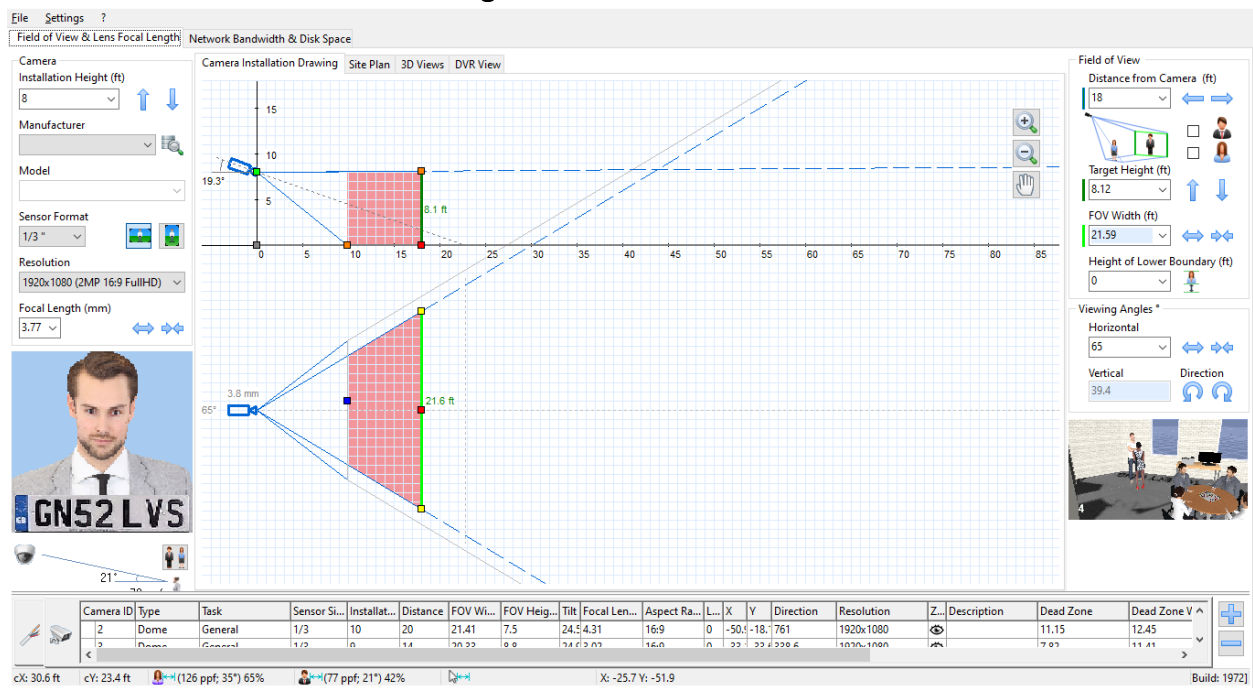
JADHUSAN M.S
COHNDNE201F-021

Implementing a CCTV system for Whitehouse

1. Site Plan.



2. Camera Installation Drawing.



3. Footages of the cameras

Field of View & Lens Focal Length Network Bandwidth & Disk Space

Camera Installation Drawing Site Plan 3D Views DVR View

Camera Installation Height (ft) 10

Manufacturer

Model

Sensor Format 1/3"

Resolution 1920x1080 (2MP 16:9 FullHD)

Focal Length (mm) 4.31

GN52 LVS

Field of View

Distance from Camera (ft) 20

Target Height (ft) 7.5

FOV Width (ft) 21.41

Height of Lower Boundary (ft) 0

Viewing Angles *

Horizontal 58.2

Vertical 34.8

Camera ID	Type	Task	Sensor Si...	Installat...	Distance	FOV Wi...	FOV Heig...	Tilt	Focal Len...	Aspect Ra...	L...	X	Y	Direction	Resolution	Z...	Description	Dead Zone	Dead Zone Width	Ma
1	Dome	General	1/3	10	22	27.39	8.14	25.3	3.63	16:9	0	-51.2	2.5	134.2	1920x1080	9.77	12.74			
2	Dome	General	1/3	10	20	21.41	7.5	24.5	4.31	16:9	0	-50.4	-18.7	761	1920x1080	11.15	12.45			
3	Dome	General	1/3	9	14	20.33	8.8	24.5	3.02	16:9	0	-33.4	-33.6	338.6	1920x1080	7.82	11.41			
4	Dome	General	1/3	8	18	21.59	8.12	19.3	3.77	16:9	0	-30.4	-13.7	-149.9	1920x1080	9.86	11.83			
5	Dome	General	1/3	8	22	22.63	7.66	17.7	4.47	16:9	0	-30.4	2	-118.7	1920x1080	11.63	12.02			

Field of View & Lens Focal Length Network Bandwidth & Disk Space

Camera Installation Drawing Site Plan 3D Views DVR View

Camera Installation Height (ft) 10

Manufacturer

Model

Sensor Format 1/3"

Resolution 1920x1080 (2MP 16:9 FullHD)

Focal Length (mm) 3.63

GN52 LVS

Field of View

Distance from Camera (ft) 22

Target Height (ft) 8.14

FOV Width (ft) 27.39

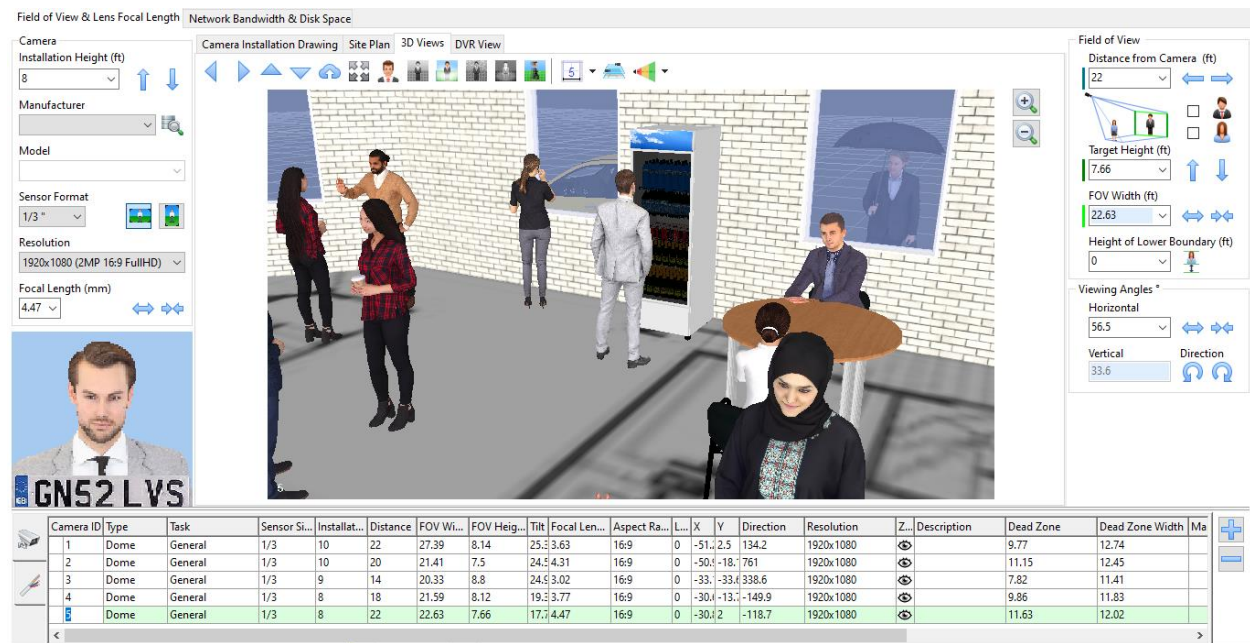
Height of Lower Boundary (ft) 0

Viewing Angles *

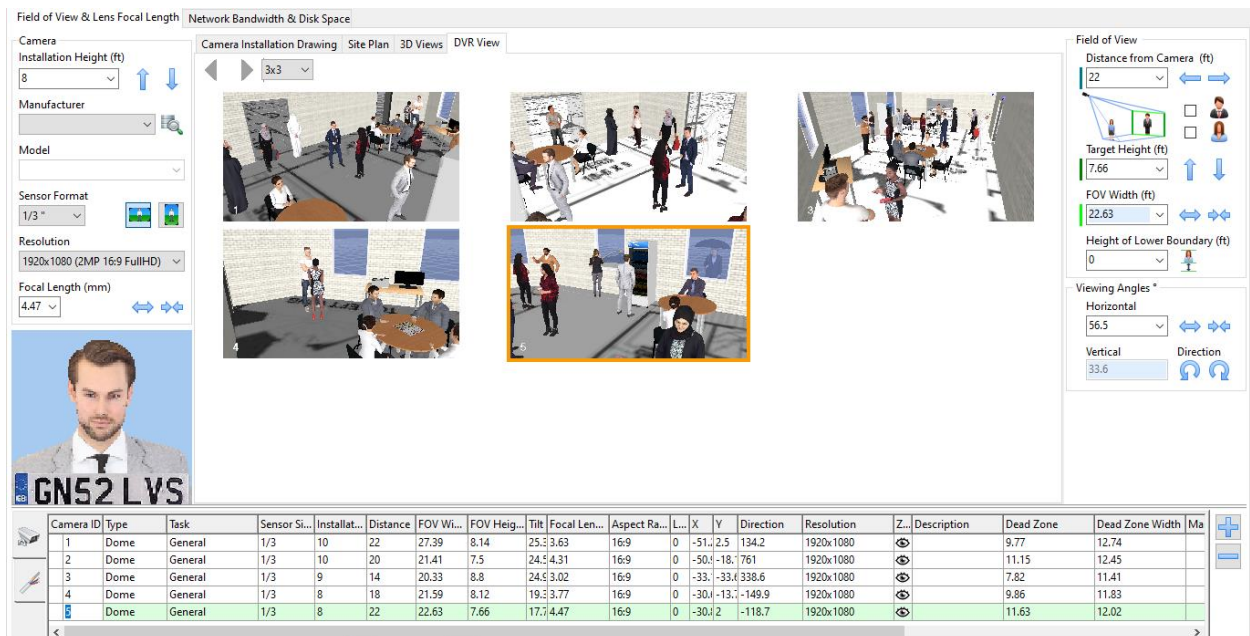
Horizontal 67

Vertical 40.8

Camera ID	Type	Task	Sensor Si...	Installat...	Distance	FOV Wi...	FOV Heig...	Tilt	Focal Len...	Aspect Ra...	L...	X	Y	Direction	Resolution	Z...	Description	Dead Zone	Dead Zone Width	Ma
1	Dome	General	1/3	10	22	27.39	8.14	25.3	3.63	16:9	0	-51.2	2.5	134.2	1920x1080	9.77	12.74			
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4. For security purpose.



5. Network Bandwidth & Disk space

Field of View & Lens Focal Length

Network Bandwidth & Disk Space

+

Add new type

→

Remove

Columns

▼

Copy from Project

Resolution	Compression	Frame Size*, KB	FPS	Days	Camer...	Recording %	Bandwidth, M...	Disk Space, GB	Bitrate,...	Comment
2592x1520 (4MP, 17x)	H.265-15 (Good C, 34)		10	30	1	100	2.79	902.4	2785	

Important: Real frame size value highly depends on image complexity, lens and CCD/CMOS quality.
www.ivsa.com/software/help/

Total FPS

Disk space,GB

Bandwidth, Mbit/s

10

902.4

2.79