VideoCAD Professional

Example report

http://cctvcad.com

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1 Introduction

Here may be an arbitrary Introduction to the report. It may consist of many pages. The Introduction is loaded from a plain text file. HTML tags are recognized.

This report contains more camera parameters ordered in Horizontal tables.

This report has been generated automatically by the CCTV Design software **VideoCAD Professional version 9.0**
To learn more about VideoCAD Professional, please visit CCTVCAD Software website.

The PDF report may include:

- Tables with parameters of each camera;
- Table with parameters of all cameras;
- Table with camera model parameters;
- Sets of parameters in the tables, design of the tables are customizable;
- Table of cables;
- Images from cameras;
- Fragments of layouts with placed cameras separated by Groups of cameras;
- 3D views of camera view areas from the 3D World window;
- Images of spatial resolution patterns;
- Photos of camera models;
- Summary information on cameras;
- Arbitrary texts (introduction, conclusion).

VideoCAD offers tools for excellent design of the report:

- Cover with arbitrarily placed texts and pictures;
- Table of contents;
- Bookmarks;
- Internal and expernal links;
- Footers and headers with texts and pictures;
- Automatic numerations of captions, images, tables and pages;
- Different design of odd and even pages;
- External PDF files can be attached to the report at beginning and at the end;
- Background PDF file, pages of which are drawn as a background for the Cover, odd and even report pages.
- Customizable fonts and colors;
- HTML tags supported.
- Pages for big tables and images can have enlarged sizes.
- Images and drawings can have megapixel resolutions exceeding screen resolution.

Design of the report and composition of information in the report are customizable.

The PDF report is integrated with the Table of Cameras and the Table of Camera Models. Flexible filters of the tables are used to filter and sort cameras for inclusion in the report by simple or complex conditions. Views of the tables are used to select and order camera parameters in the tables of the report.

You can save report settings to patterns, select saved pattern from the list, save report patterns to a file, and load from files.

2 Layout 1

Here may be a short description of the Layout 1.

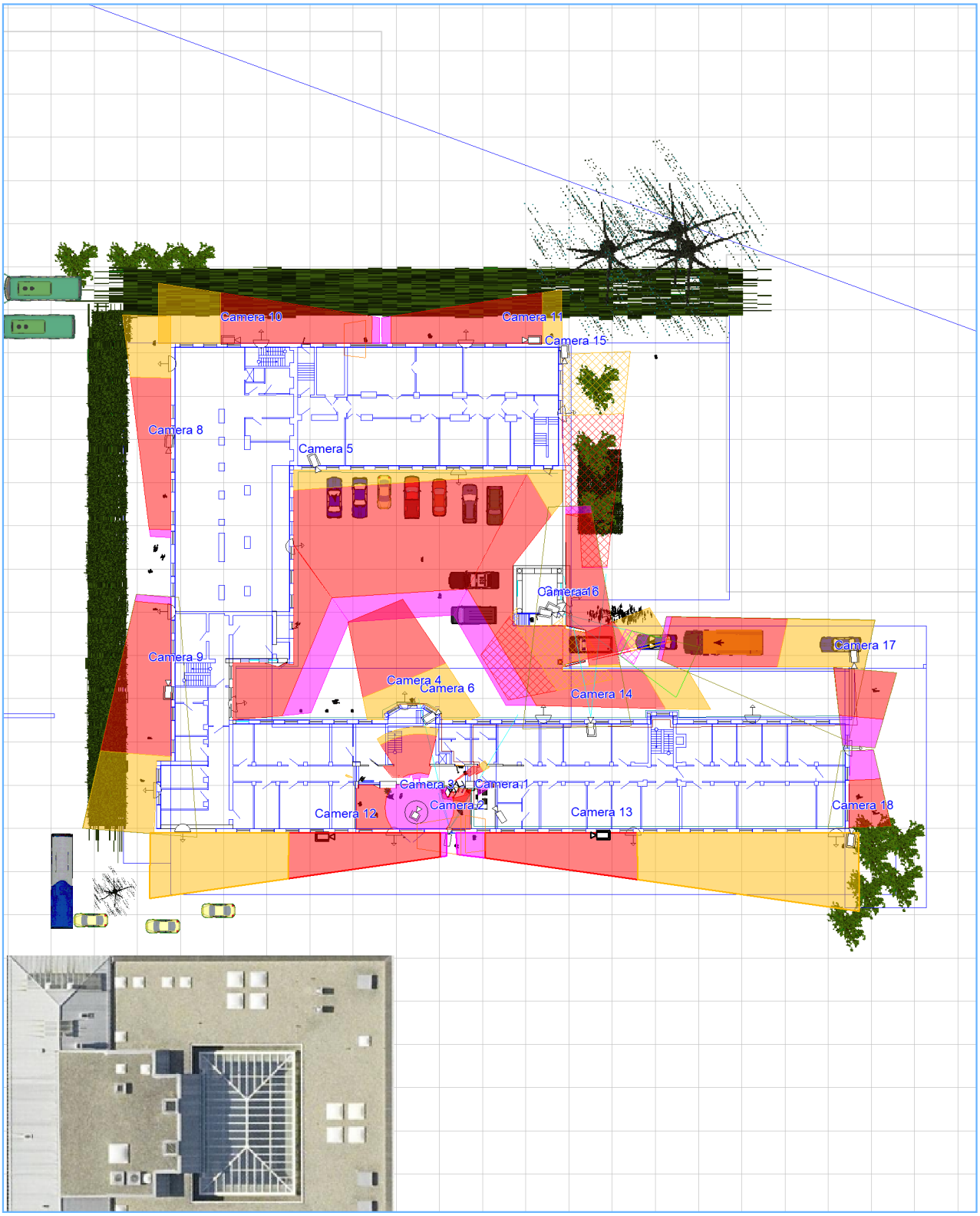

Fig.1. Camera View area projections on Layout Layout 1

2.1 Control post

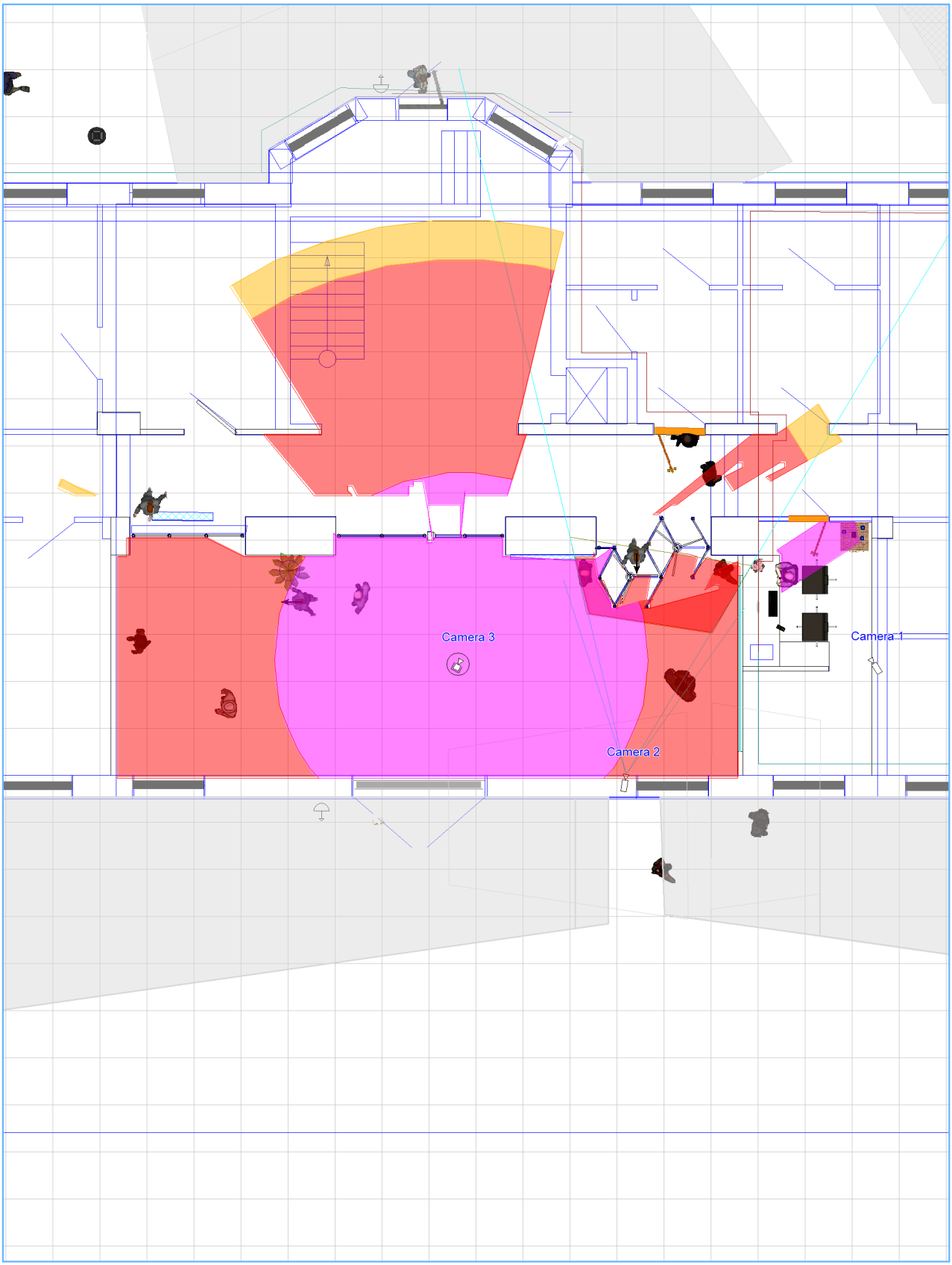

Fig.2. View area projections of cameras of the Group Control post

2.1.1 Camera 1

Here may be a short description of the camera.

Fig.3. Camera 1. Camera image

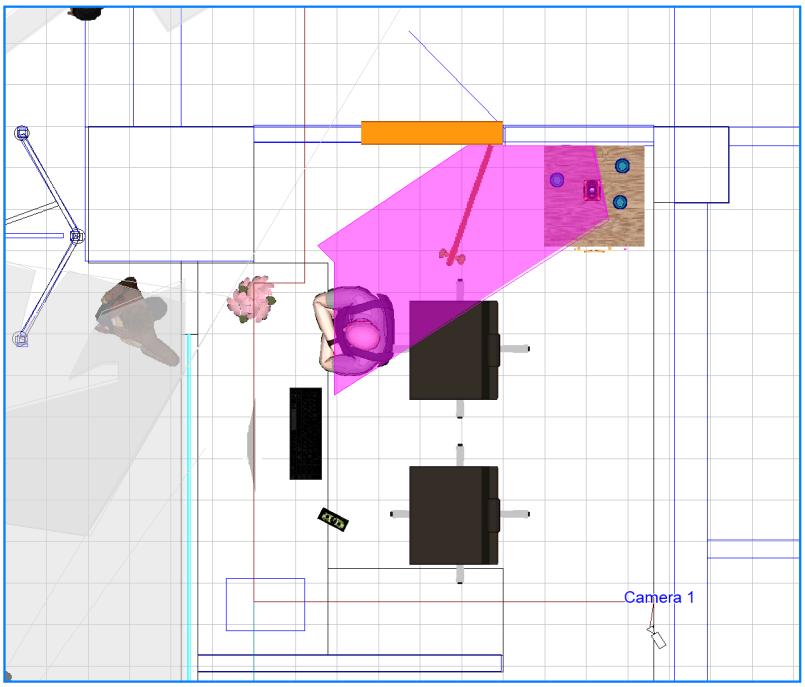

Fig.4. Camera 1. View area projection within the height range of 0.5 - 2 m. Spatial resolution at the height of 1,25 m.

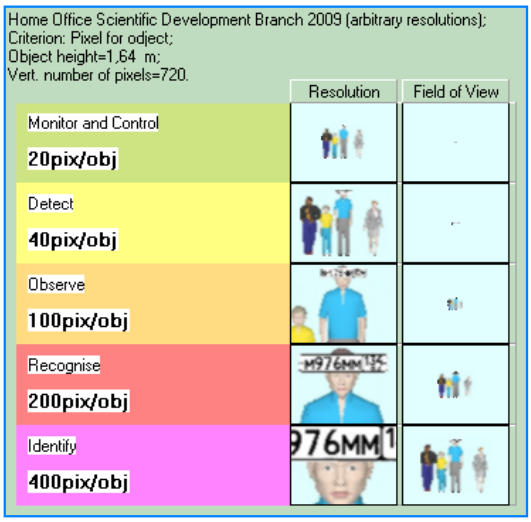

Fig.5. Camera 1. Spatial resolution and field of view size at the far borders of colored regions

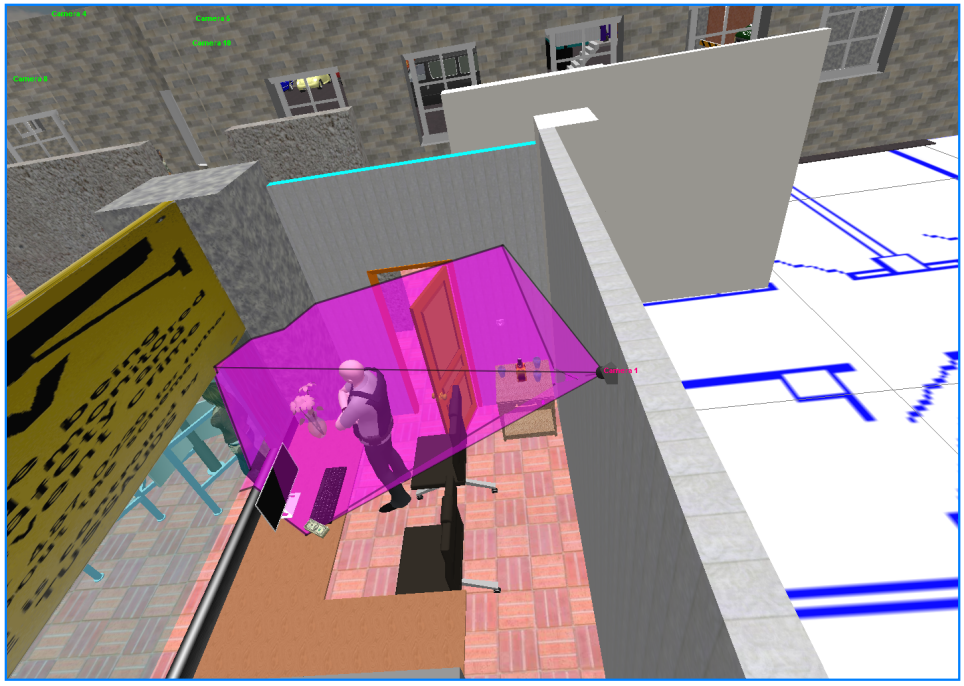

Fig.6. Camera 1. 3D view area

Fig.7. Camera 1. Camera model photo M1124

Table 1. Camera parameters of Camera 1

Name	Layout	Layer	Group	Positions	Description	Model
						Name
Camera 1	Layout 1	Layer 1	Control post	0	Here may be a short description of the camera.	M1124

Table 1. Camera parameters of Camera 1. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels
								Horiz.
Axis	d/n 720p indoor	fixed	Ethernet 100Mbit	day/night	1	HAD™ CCD	1/3"	1280

Table 1. Camera parameters of Camera 1. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	45		1

Table 1. Camera parameters of Camera 1. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	5	3-10.5	51,3	77,3 - 25,8

Table 1. Camera parameters of Camera 1. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
30,2	48,5 - 14,7	fixed	1,2	2	N/A	90	calc	63,1	calc

Table 1. Camera parameters of Camera 1. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
120	calc	No	360	90	90				12

Table 1. Camera parameters of Camera 1. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
1,4	0,117	DC	indoor	CCTVShop	5	yes		https://www.axis.com/products/axis-m1124

Table 1. Camera parameters of Camera 1. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3	33,4	2	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	6,83

2.1.2 Camera 2

Here may be a short description of the camera.

Fig.8. Camera 2. Camera image

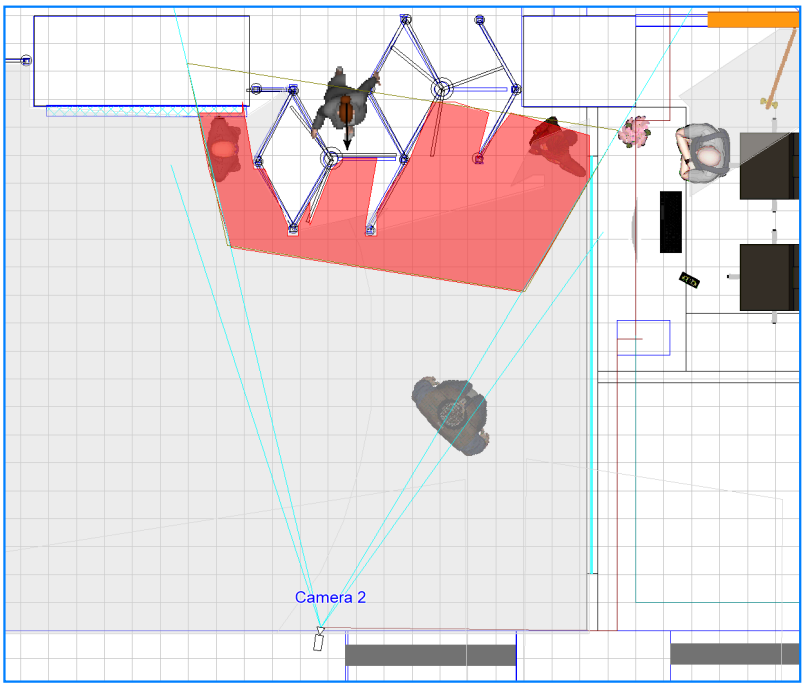

Fig.9. Camera 2. View area projection within the height range of 0.5 - 2 m. Spatial resolution at the height of 1,25 m.

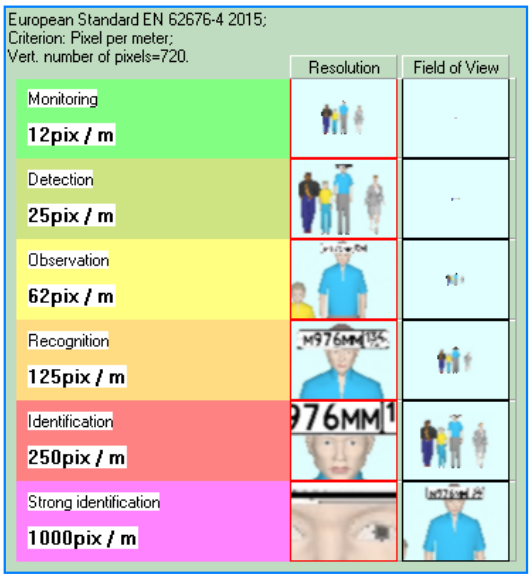

Fig.10. Camera 2. Spatial resolution and field of view size at the far borders of colored regions

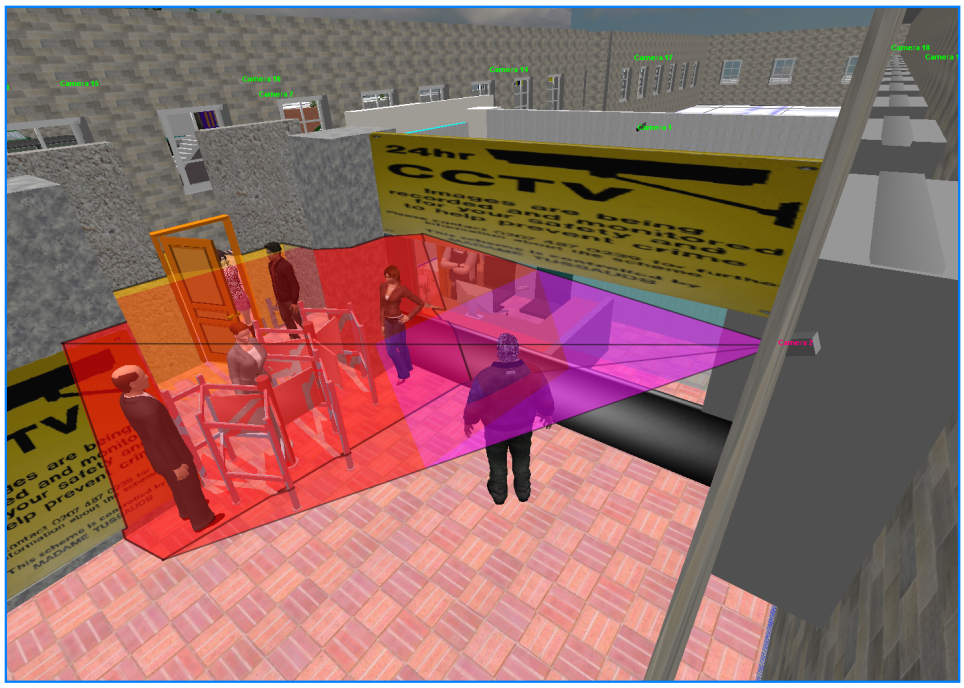

Fig.11. Camera 2. 3D view area

Fig.12. Camera 2. Camera model photo M1124

Table 2. Camera parameters of Camera 2

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 2	Layout 1	Layer 1	Control post	0	Here may be a short description of the camera.	M1124

Table 2. Camera parameters of Camera 2. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	d/n 720p indoor	fixed	Ethernet 100Mbit	day/night	1	IT CCD	1/3"	1280

Table 2. Camera parameters of Camera 2. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 2. Camera parameters of Camera 2. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	5,88	3-10.5	44,4	77,3 - 25,8

Table 2. Camera parameters of Camera 2. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
25,9	48,5 - 14,7	fixed	1,2	360	N/A	90	calc	0	calc

Table 2. Camera parameters of Camera 2. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
0	calc	No	360	90	90				12

Table 2. Camera parameters of Camera 2. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
2,16	0,18	DC	indoor	CCTVShop	5	yes		https://www.axis.com/products/axis-m1124

Table 2. Camera parameters of Camera 2. Continuation

Installation						Cable			
			View area			Power		Signal	
			Upper bound	Lower bound					
Base height	Height	Camera tilt angle	Height	Height	Spatial resolution pattern	Brand	Length (m)	Brand	Length (m)
0	3	24,8	2	0,5	European Standard EN 62676-4 2015	Cable TMP	0	Cable RTP	10

2.1.3 Camera 3

Here may be a short description of the camera.

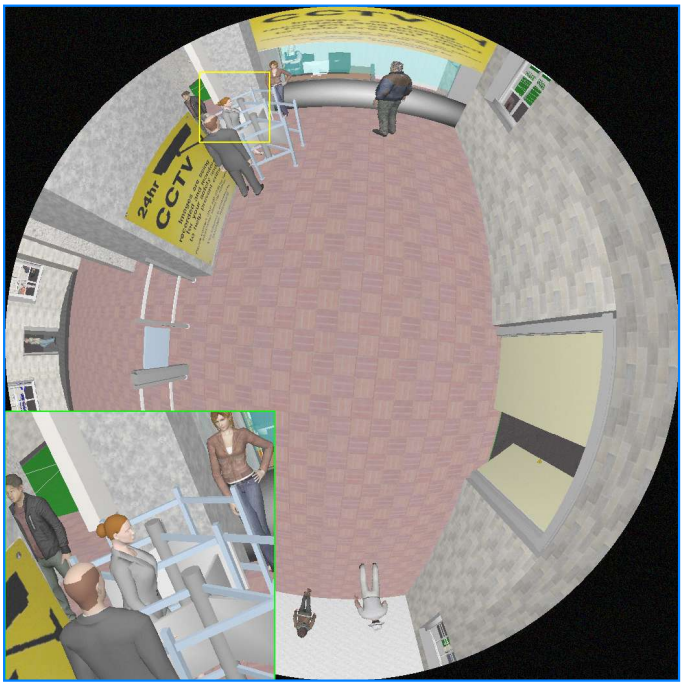

Fig.13. Camera 3. Picture from Fisheye camera. In the green frame there is a fragment from the yellow frame with real resolution

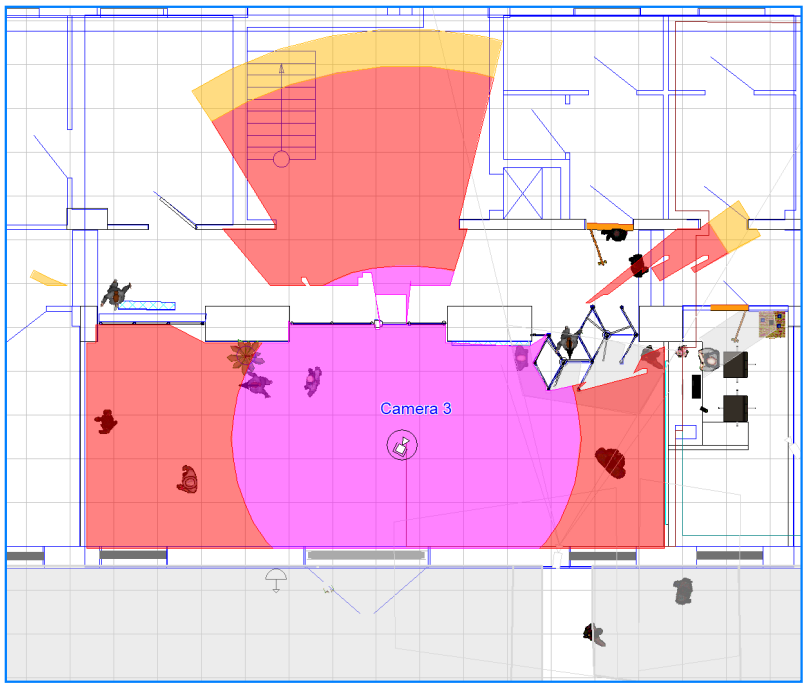

Fig.14. Camera 3. View area projection within the height range of 0.5 - 2 m. Spatial resolution at the height of 1,25 m.

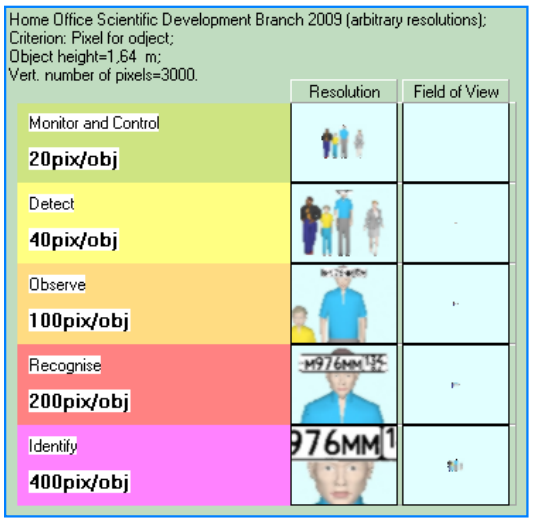

Fig.15. Camera 3. Spatial resolution and field of view size at the far borders of colored regions

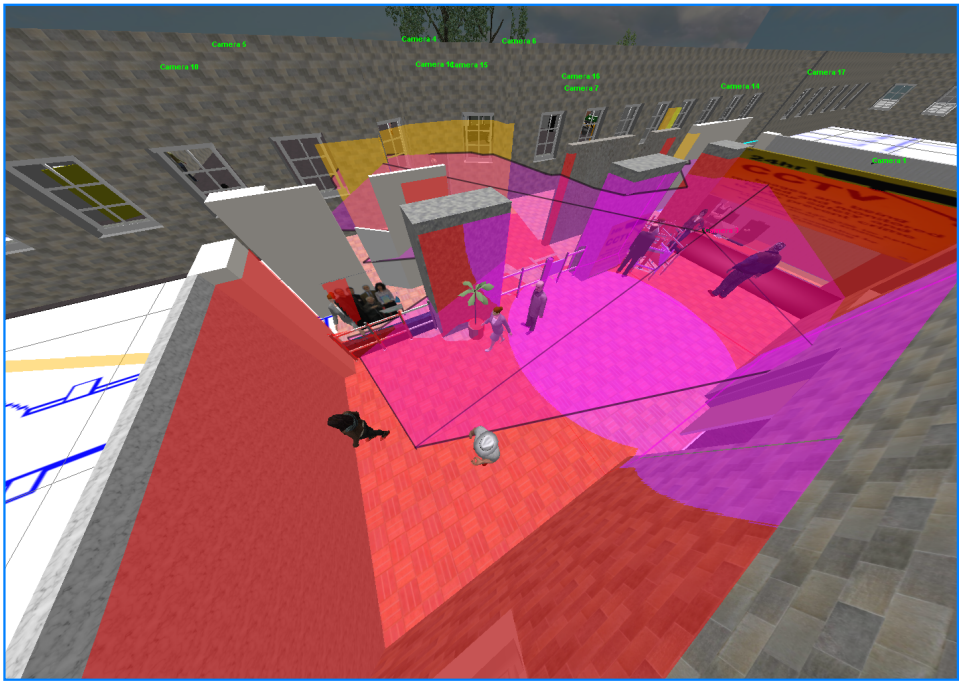

Fig.16. Camera 3. 3D view area

Fig.17. Camera 3. Camera model photo M3058-PLVE

Table 3. Camera parameters of Camera 3

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 3	Layout 1	Layer 1	Control post	0	Here may be a short description of the camera.	M3058-PLVE

Table 3. Camera parameters of Camera 3. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	fisheye	panoramic	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/1.7"	4000

Table 3. Camera parameters of Camera 3. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
3000	160*160;4000*3000;	4:3	No	0	5	45		1,1

Table 3. Camera parameters of Camera 3. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			fisheye	vari-focal	fisheye		142	

Table 3. Camera parameters of Camera 3. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
131		fixed	2	2	N/A	90	calc	63,1	calc

Table 3. Camera parameters of Camera 3. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
120	calc	No	360	90	90				12

Table 3. Camera parameters of Camera 3. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
1,4	0,117	PoE	outdoor	CCTVShop	15	yes		https://www.axis.com/products/axis-m3058-plve

Table 3. Camera parameters of Camera 3. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3	71,6	2	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	16,5

2.2 Gate

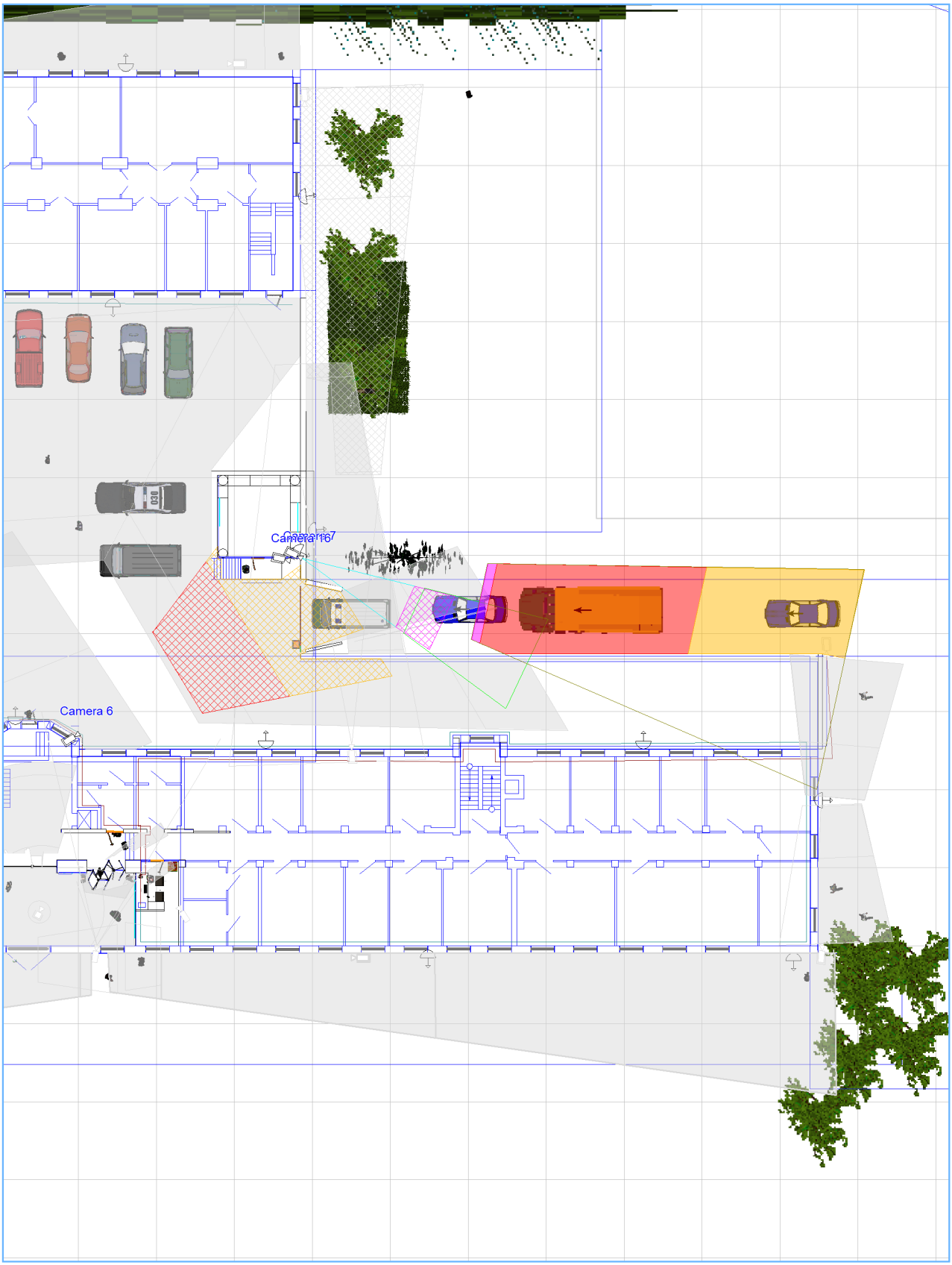

Fig.18. View area projections of cameras of the Group Gate

2.2.1 Camera 6

Here may be a short description of the camera.

Fig.19. Camera 6. Camera image

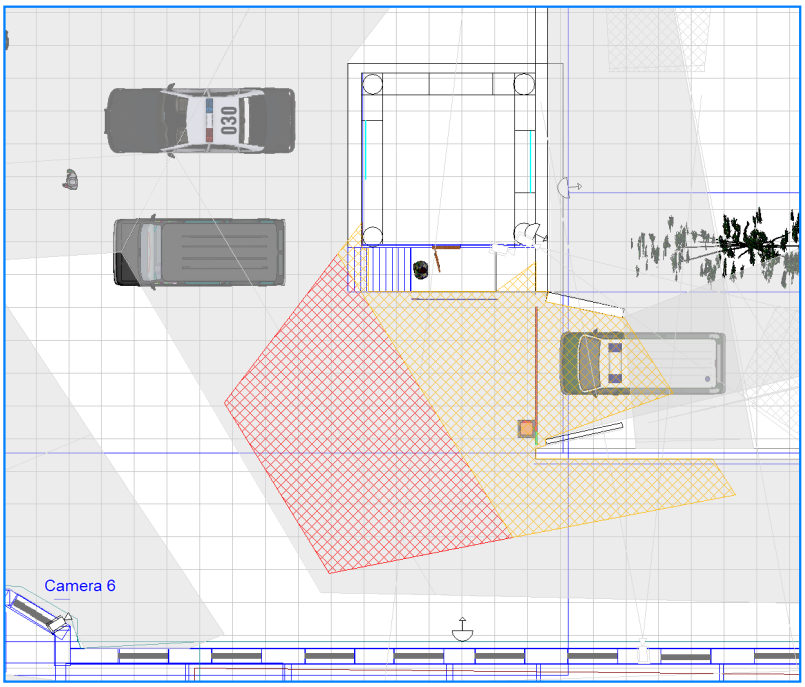

Fig.20. Camera 6. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

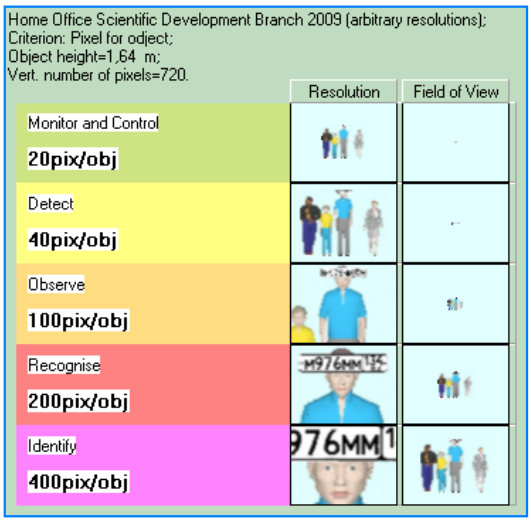

Fig.21. Camera 6. Spatial resolution and field of view size at the far borders of colored regions

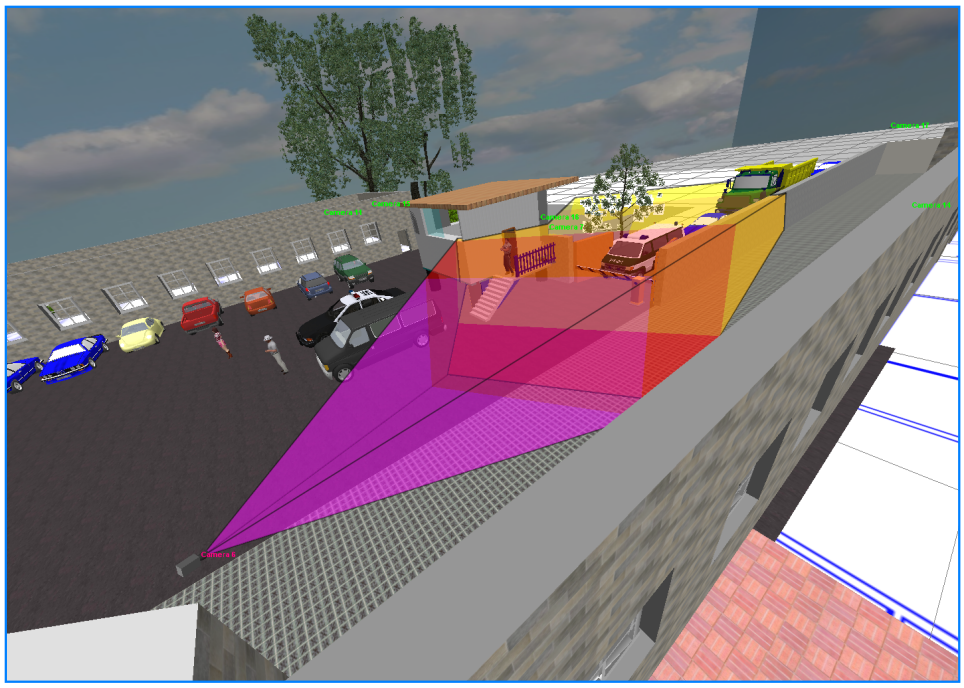

Fig.22. Camera 6. 3D view area

Fig.23. Camera 6. Camera model photo P1364-E

Table 4. Camera parameters of Camera 6

Name	Layout	Layer	Group	Positions	Description	Model
						Name
Camera 6	Layout 1	Layer 1	Gate	0	Here may be a short description of the camera.	P1364-E

Table 4. Camera parameters of Camera 6. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels
								Horiz.
Axis	d/n 720p indoor	fixed	Ethernet 100Mbit	day/night	1	IT CCD	1/3"	1280

Table 4. Camera parameters of Camera 6. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 4. Camera parameters of Camera 6. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	6	2.8-8.5	43,6	81,2 - 31,5

Table 4. Camera parameters of Camera 6. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
25,4	51,5 - 18	DC	1,2	360	N/A	90	calc	36,1	calc

Table 4. Camera parameters of Camera 6. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
137	calc	No	360	90	90				12

Table 4. Camera parameters of Camera 6. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	10	yes		https://www.axis.com/products/axis-p1364-e

Table 4. Camera parameters of Camera 6. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	5	18,7	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Control cable	20,4

2.2.2 Camera 7

Here may be a short description of the camera.

Fig.24. Camera 7. Camera image

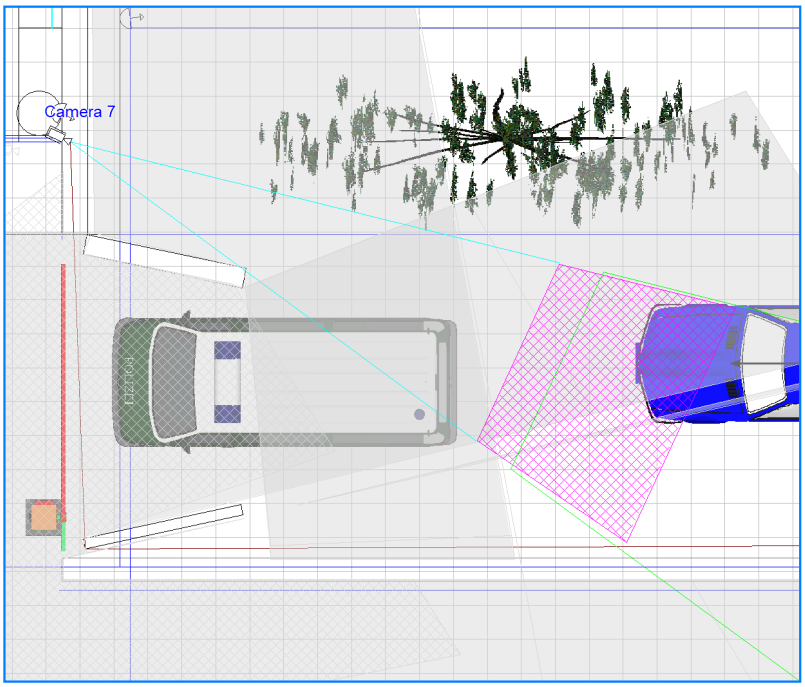

Fig.25. Camera 7. View area projection within the height range of 0.5 - 2 m. Spatial resolution at the height of 1,25 m.

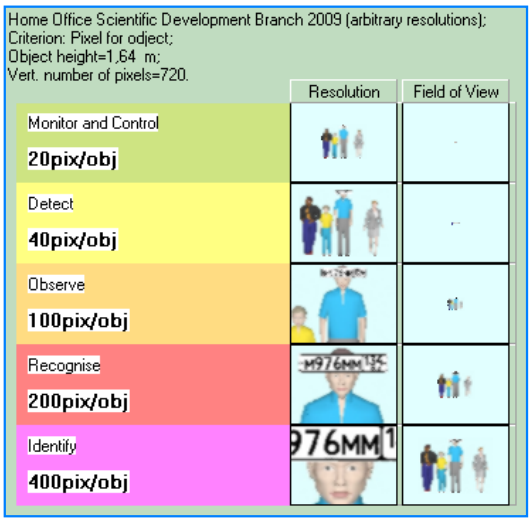

Fig.26. Camera 7. Spatial resolution and field of view size at the far borders of colored regions

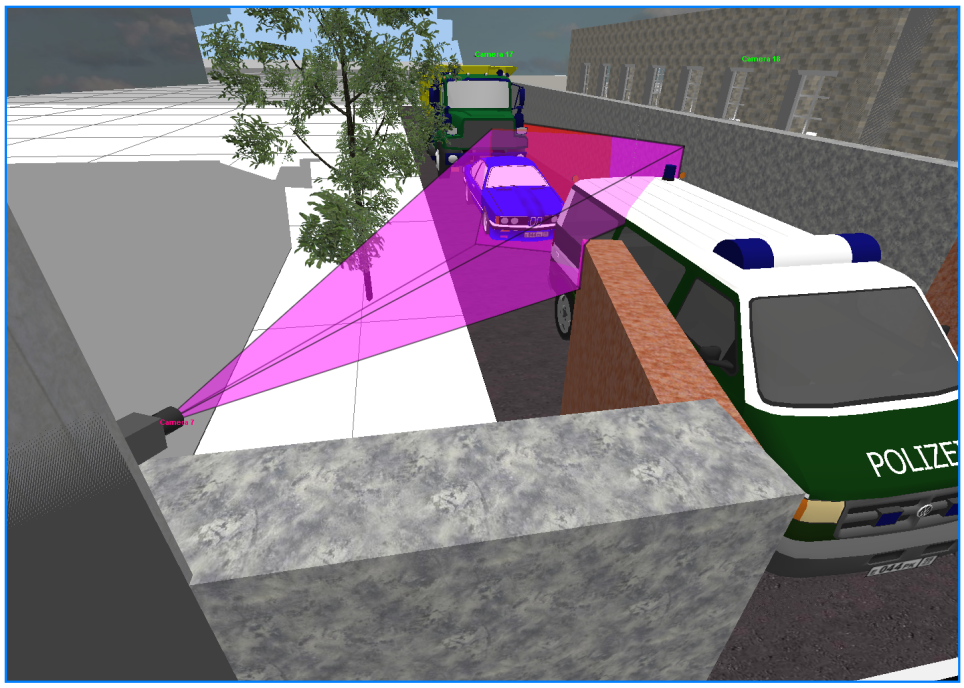

Fig.27. Camera 7. 3D view area

Fig.28. Camera 7. Camera model photo P1364-E-12mm

Table 5. Camera parameters of Camera 7

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 7	Layout 1	Layer 1	Gate	0	Here may be a short description of the camera.	P1364-E-12mm

Table 5. Camera parameters of Camera 7. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	12mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 5. Camera parameters of Camera 7. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	51		0,2

Table 5. Camera parameters of Camera 7. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	12		22,6	

Table 5. Camera parameters of Camera 7. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
12,8		Video	1,3	360	N/A	90	calc	24,1	calc

Table 5. Camera parameters of Camera 7. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
107	calc	No	360	90	90				12

Table 5. Camera parameters of Camera 7. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
2,5	0,208	PoE	outdoor	CCTVShop	8	yes		https://www.axis.com/products/axis-p1364-e

Table 5. Camera parameters of Camera 7. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	2,8	11,1	2	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	114

2.2.3 Camera 16

Here may be a short description of the camera.

Fig.29. Camera 16. Camera image

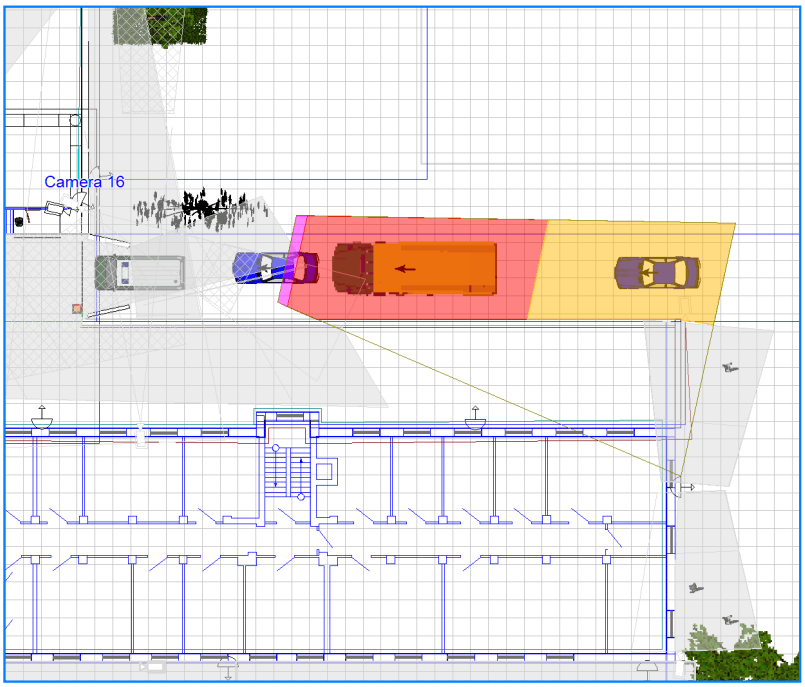

Fig.30. Camera 16. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

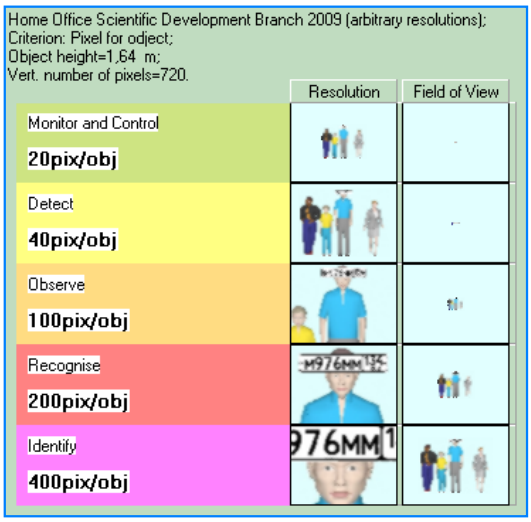

Fig.31. Camera 16. Spatial resolution and field of view size at the far borders of colored regions

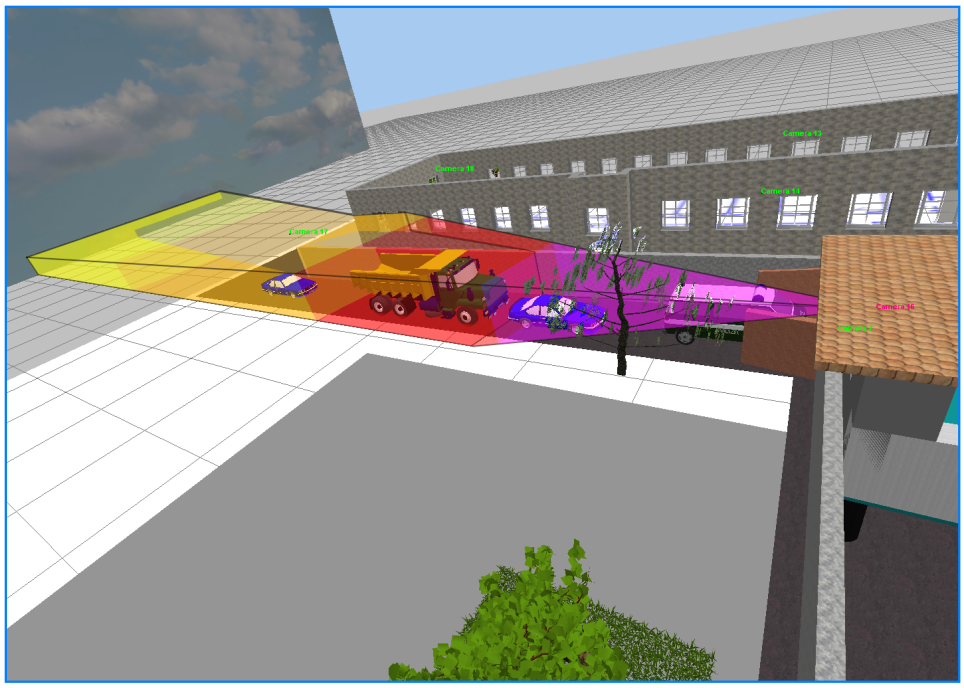

Fig.32. Camera 16. 3D view area

Fig.33. Camera 16. Camera model photo P1364-E-12mm

Table 6. Camera parameters of Camera 16

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 16	Layout 1	Layer 1	Gate	0	Here may be a short description of the camera.	P1364-E-12mm

Table 6. Camera parameters of Camera 16. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	12mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 6. Camera parameters of Camera 16. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 6. Camera parameters of Camera 16. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	12		22,6	

Table 6. Camera parameters of Camera 16. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
12,8		DC	1,4	360	N/A	90	calc	24,1	calc

Table 6. Camera parameters of Camera 16. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
107	calc	No	360	90	90				12

Table 6. Camera parameters of Camera 16. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	8	yes		https://www.axis.com/products/axis-p1364-e

Table 6. Camera parameters of Camera 16. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	7,22	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Twisted pair	139

2.3 Jard

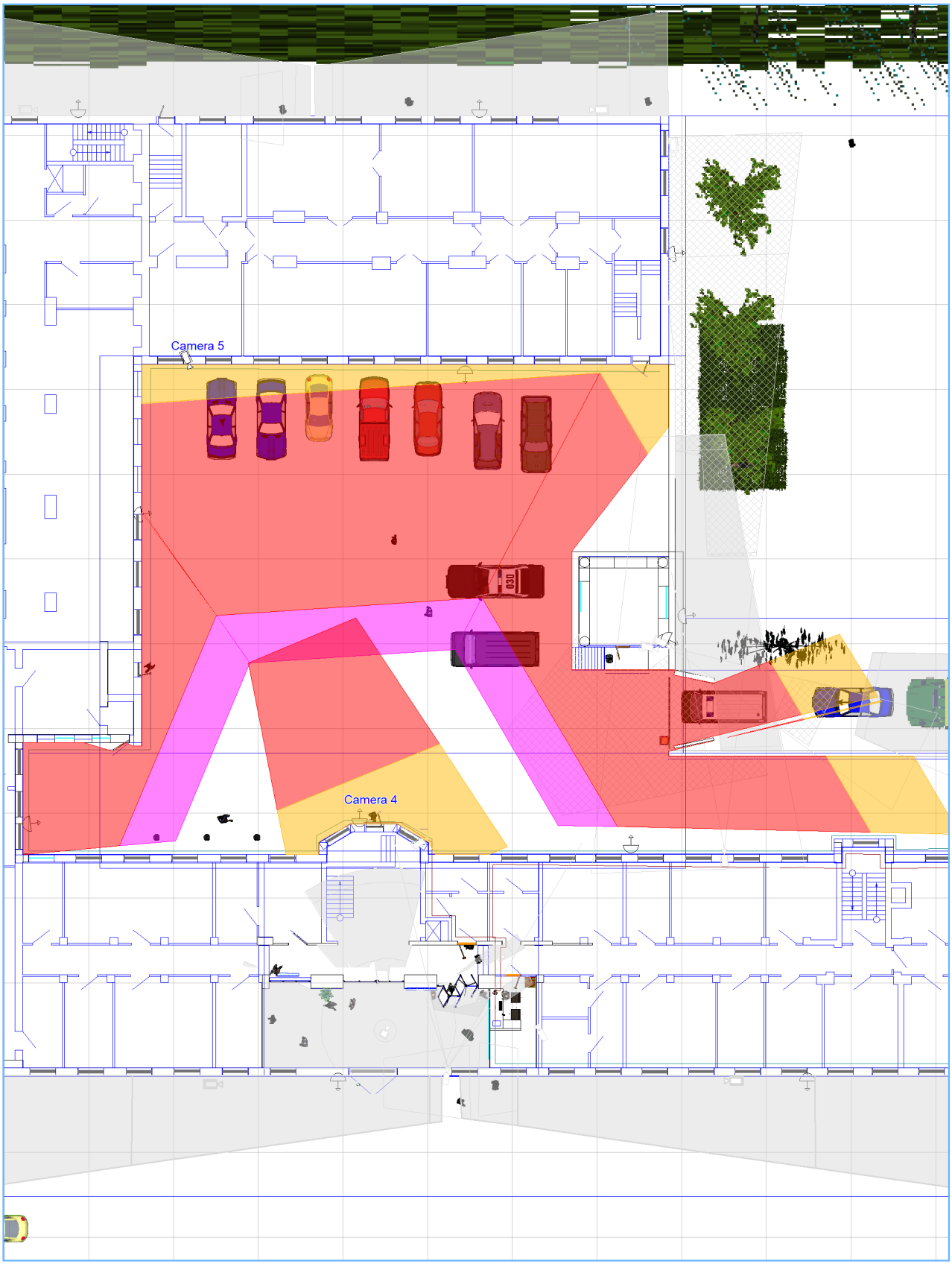

Fig.34. View area projections of cameras of the Group Jard

2.3.1 Camera 4

Here may be a short description of the camera.

Fig.35. Camera 4. Image from multisensor camera

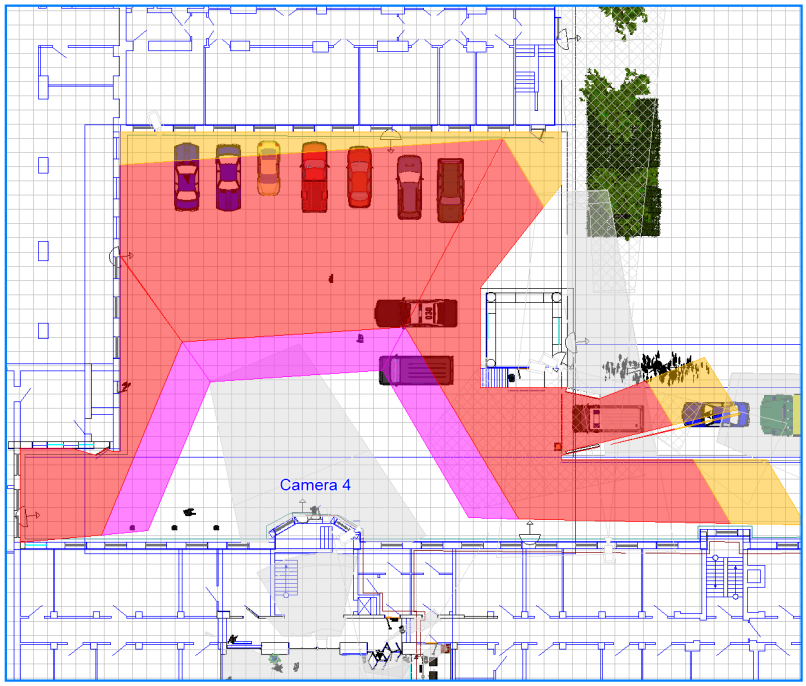

Fig.36. Camera 4. View area projection within the height range of 0.5 - 2 m. Spatial resolution at the height of 1,25 m.

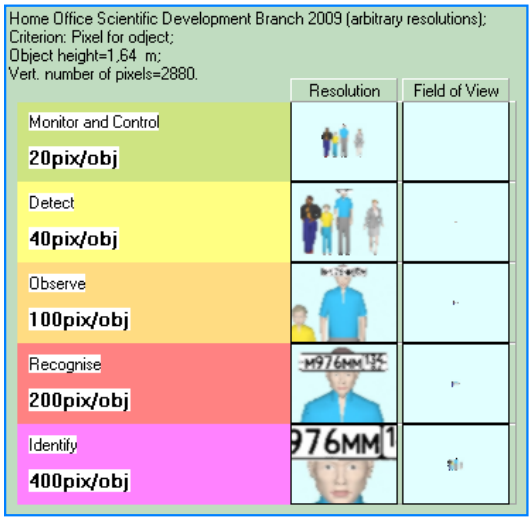

Fig.37. Camera 4. Spatial resolution and field of view size at the far borders of colored regions

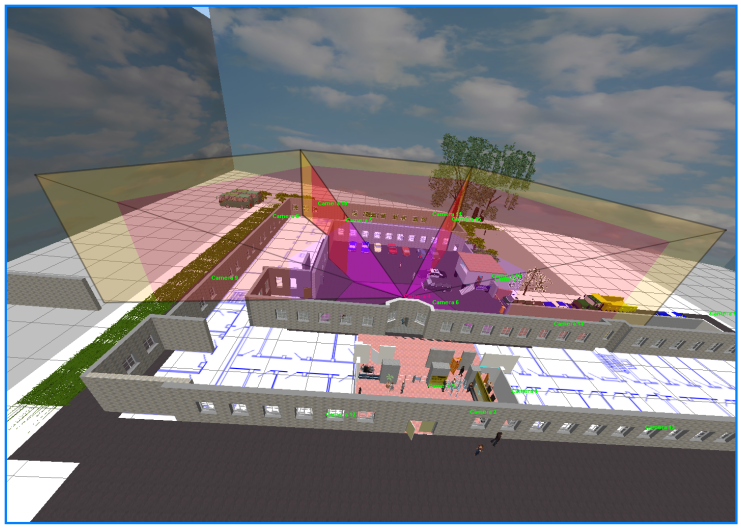

Fig.38. Camera 4. 3D view area

Fig.39. Camera 4. Camera model photo Q3709-PVE

Table 7. Camera parameters of Camera 4

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 4	Layout 1	Layer 1	Jard	3	Here may be a short description of the camera.	Q3709-PVE

Table 7. Camera parameters of Camera 4. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	3 sensors 180 deg	panoramic	Ethernet 100Mbit	day/night	3	Exview HAD™ CCD	1/2.3"	3840

Table 7. Camera parameters of Camera 4. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
2880	320*240;3840*2880;	4:3	No	0	5	45		0,3

Table 7. Camera parameters of Camera 4. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			mega pixel resolution	vari-focal	5		63,3	

Table 7. Camera parameters of Camera 4. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
49,7		fixed	2	2	N/A	90	calc	60,4	calc

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Table 7. Camera parameters of Camera 4. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
127	calc	No	360	90	90				12

Table 7. Camera parameters of Camera 4. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	30	yes		https://www.axis.com/products/axis-q3709-pve

Table 7. Camera parameters of Camera 4. Continuation

Installation						Cable			
			View area			Power		Signal	
			Upper bound	Lower bound					
Base height	Height	Camera tilt angle	Height	Height	Spatial resolution pattern	Brand	Length (m)	Brand	Length (m)
0	5	30,3	2	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	24,7

2.3.2 Camera 5

Here may be a short description of the camera.

Fig.40. Camera 5. Camera image

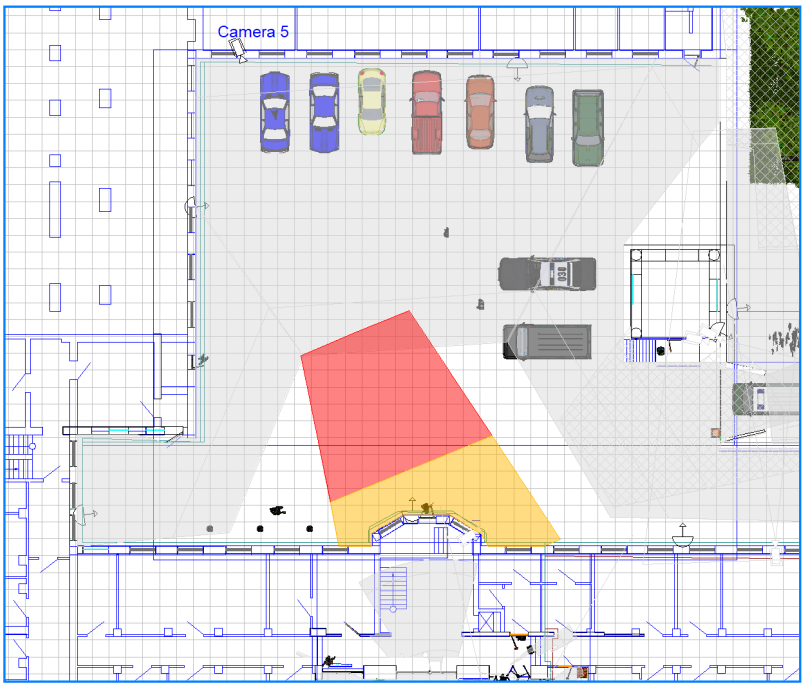

Fig.41. Camera 5. View area projection within the height range of 0.5 - 4 m. Spatial resolution at the height of 2,25 m.

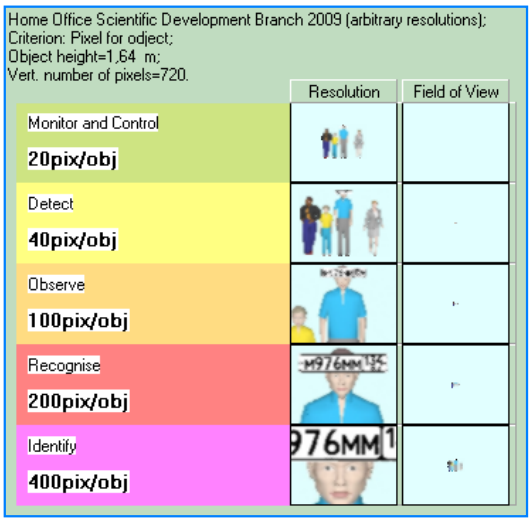

Fig.42. Camera 5. Spatial resolution and field of view size at the far borders of colored regions

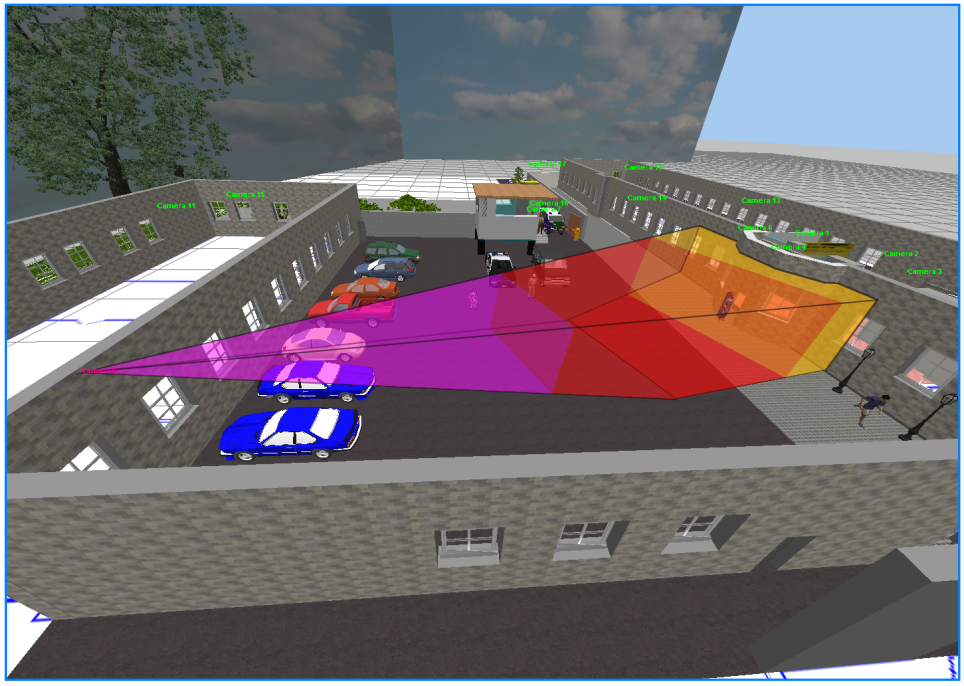

Fig.43. Camera 5. 3D view area

Fig.44. Camera 5. Camera model photo P1364-E-12mm

Table 8. Camera parameters of Camera 5

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 5	Layout 1	Layer 1	Jard	0	Here may be a short description of the camera.	P1364-E-12mm

Table 8. Camera parameters of Camera 5. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	12mm	fixed	Ethernet 100Mbit	day/night	1	IT CCD	1/3"	1280

Table 8. Camera parameters of Camera 5. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 8. Camera parameters of Camera 5. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	12		22,6	

Table 8. Camera parameters of Camera 5. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
12,8		DC	1,4	360	N/A	90	calc	24,1	calc

Table 8. Camera parameters of Camera 5. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
107	calc	No	360	90	90				12

Table 8. Camera parameters of Camera 5. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	8	yes		https://www.axis.com/products/axis-p1364-e

Table 8. Camera parameters of Camera 5. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	5	8,15	4	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Twisted pair	91,1

2.4 Perimeter top

Fig.45. View area projections of cameras of the Group Perimeter top

2.4.1 Camera 10

Here may be a short description of the camera.

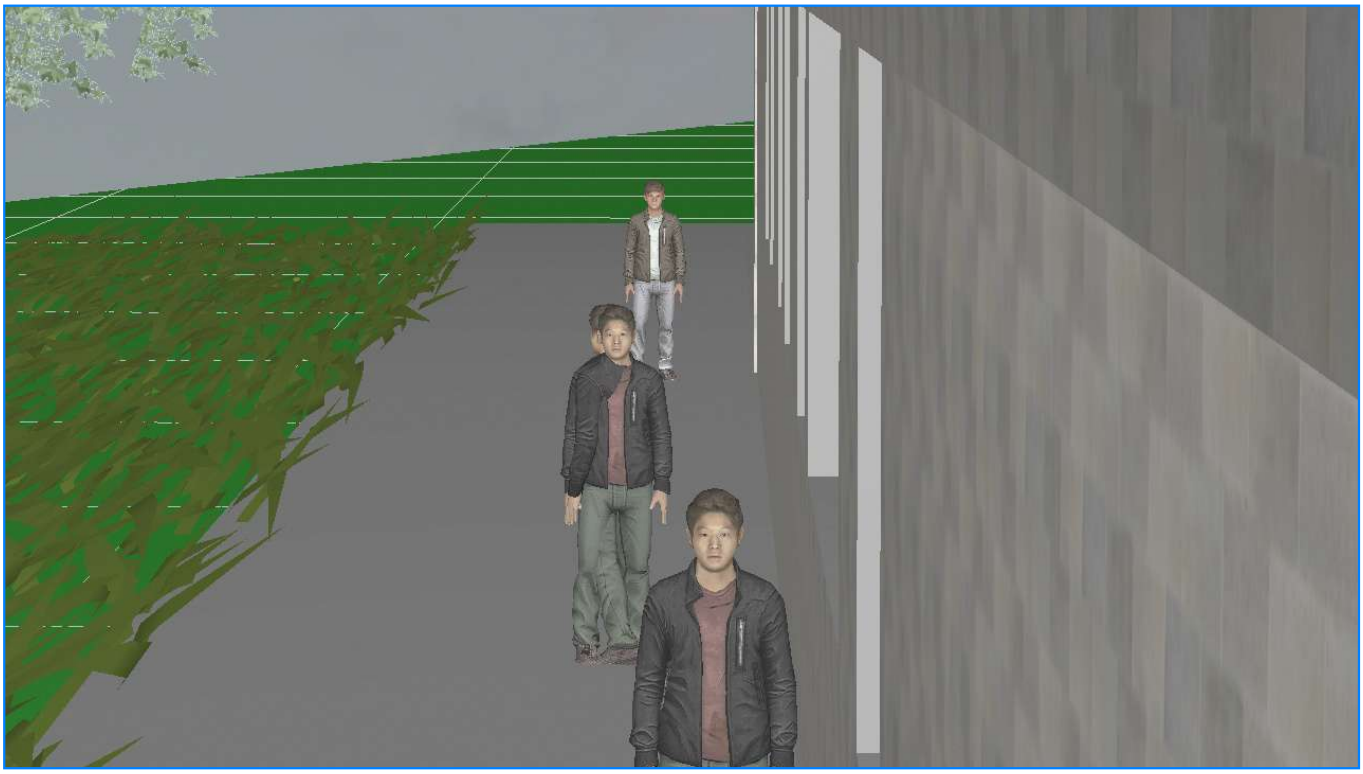

Fig.46. Camera 10. Camera image

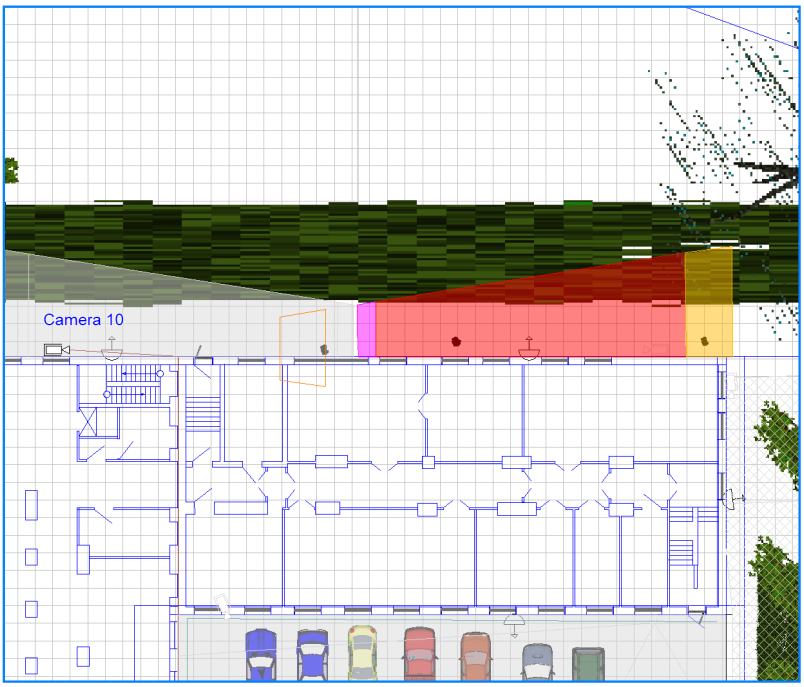

Fig.47. Camera 10. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

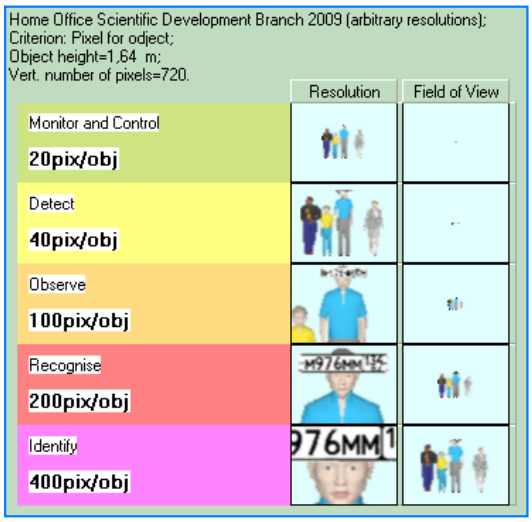

Fig.48. Camera 10. Spatial resolution and field of view size at the far borders of colored regions

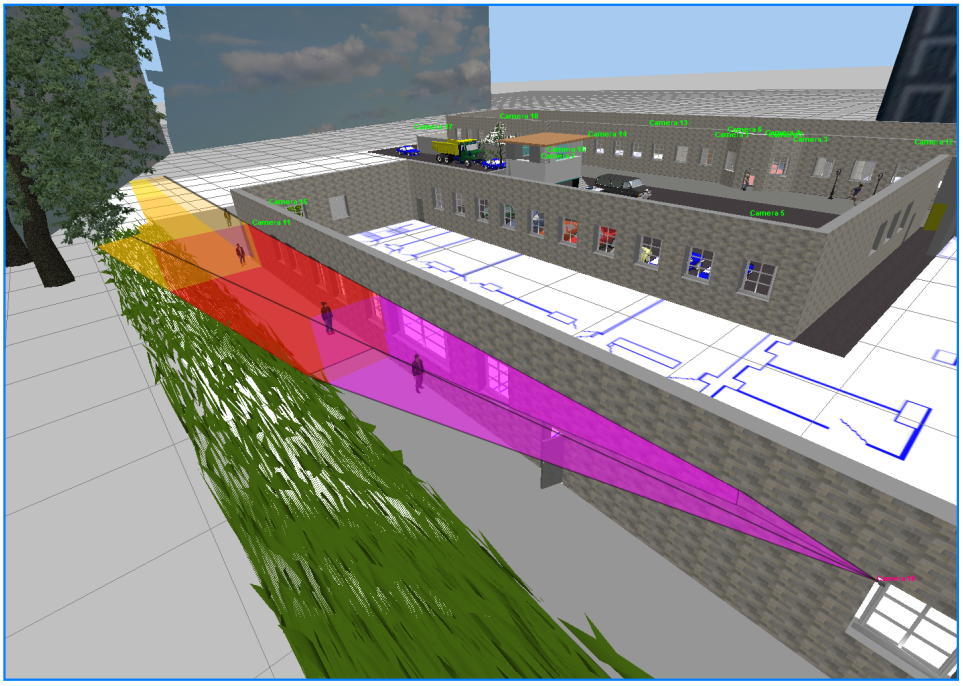

Fig.49. Camera 10. 3D view area

Fig.50. Camera 10. Camera model photo P1364-E-16mm

Table 9. Camera parameters of Camera 10

Name	Layout	Layer	Group	Positions	Description	Model
						Name
Camera 10	Layout 1	Layer 1	Perimeter top	0	Here may be a short description of the camera.	P1364-E-16mm

Table 9. Camera parameters of Camera 10. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels
								Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 9. Camera parameters of Camera 10. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 9. Camera parameters of Camera 10. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 9. Camera parameters of Camera 10. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 9. Camera parameters of Camera 10. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 9. Camera parameters of Camera 10. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 9. Camera parameters of Camera 10. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	5,6	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Signal cable	107

2.4.2 Camera 11

Here may be a short description of the camera.

Fig.51. Camera 11. Camera image

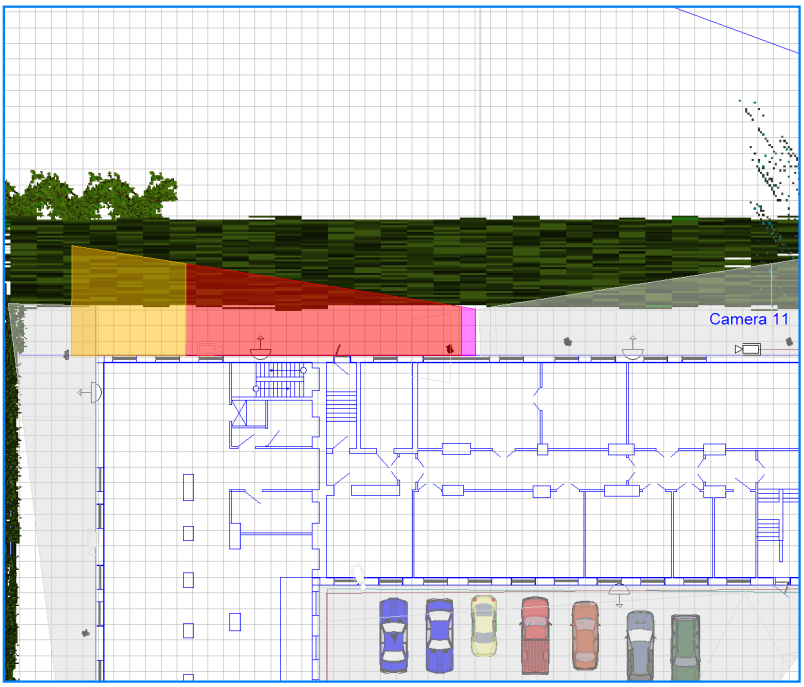

Fig.52. Camera 11. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

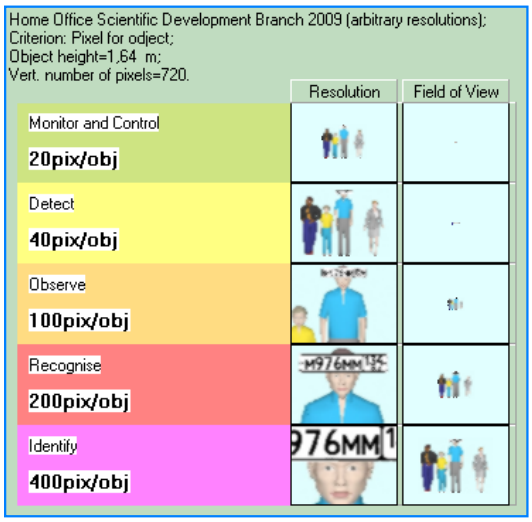

Fig.53. Camera 11. Spatial resolution and field of view size at the far borders of colored regions

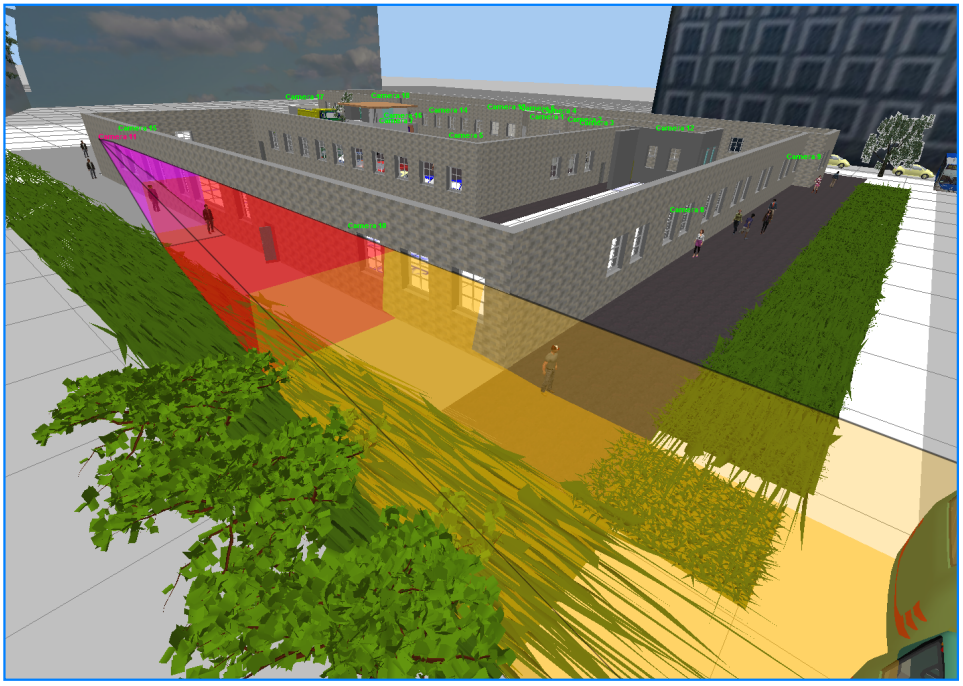

Fig.54. Camera 11. 3D view area

Fig.55. Camera 11. Camera model photo P1364-E-16mm

Table 10. Camera parameters of Camera 11

Name	Layout	Layer	Group	Positions	Description	Model
						Name
Camera 11	Layout 1	Layer 1	Perimeter top	0	Here may be a short description of the camera.	P1364-E-16mm

Table 10. Camera parameters of Camera 11. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels
								Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 10. Camera parameters of Camera 11. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 10. Camera parameters of Camera 11. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 10. Camera parameters of Camera 11. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 10. Camera parameters of Camera 11. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 10. Camera parameters of Camera 11. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 10. Camera parameters of Camera 11. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	5,51	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	144

2.5 Perimeter bottom

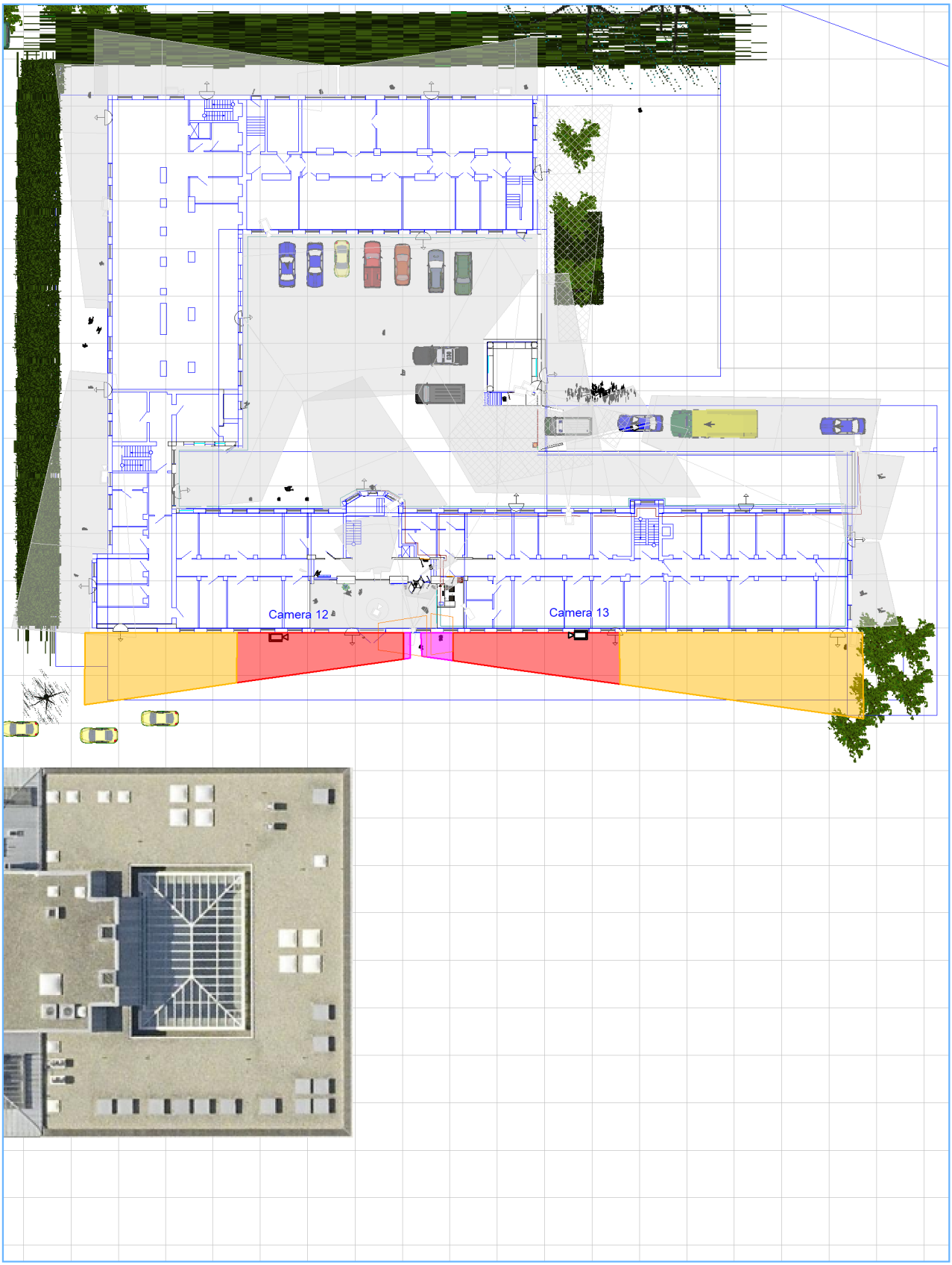

Fig.56. View area projections of cameras of the Group Perimeter bottom

2.5.1 Camera 12

Here may be a short description of the camera.

Fig.57. Camera 12. Camera image

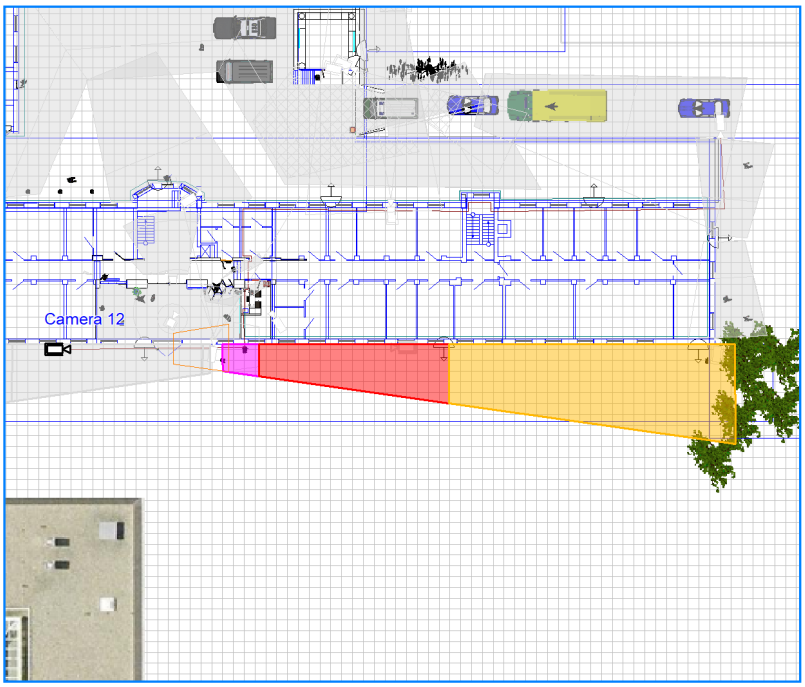

Fig.58. Camera 12. View area projection within the height range of 0.5 - 2.5 m. Spatial resolution at the height of 1,5 m.

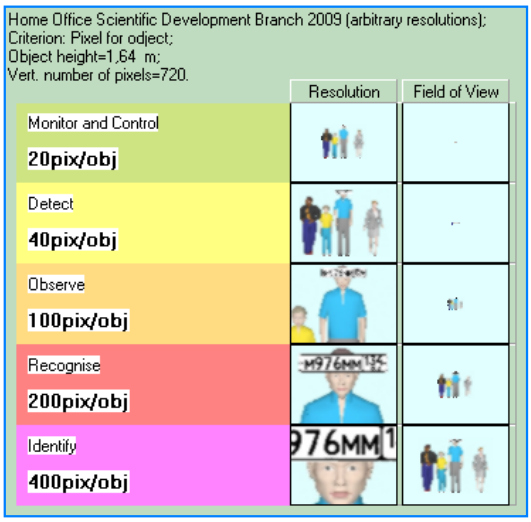

Fig.59. Camera 12. Spatial resolution and field of view size at the far borders of colored regions

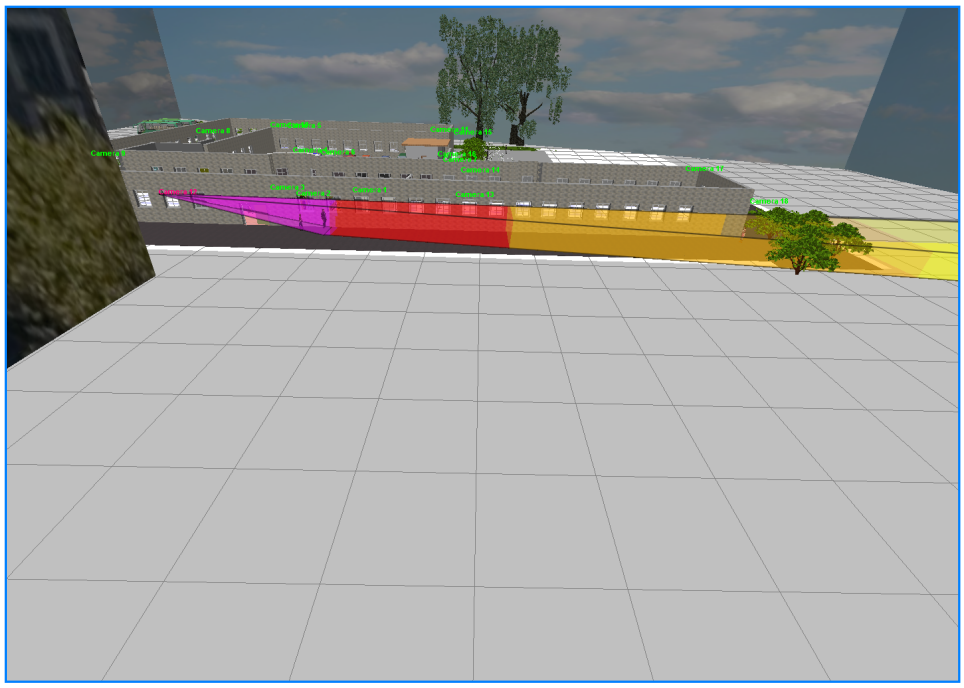

Fig.60. Camera 12. 3D view area

Fig.61. Camera 12. Camera model photo P1364-E-16mm

Table 11. Camera parameters of Camera 12

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 12	Layout 1	Layer 1	Perimeter bottom	0	Here may be a short description of the camera.	P1364-E-16mm

Table 11. Camera parameters of Camera 12. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 11. Camera parameters of Camera 12. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 11. Camera parameters of Camera 12. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 11. Camera parameters of Camera 12. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 11. Camera parameters of Camera 12. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 11. Camera parameters of Camera 12. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 11. Camera parameters of Camera 12. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3	5,3	2,5	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	25,6

2.5.2 Camera 13

Here may be a short description of the camera.

Fig.62. Camera 13. Camera image

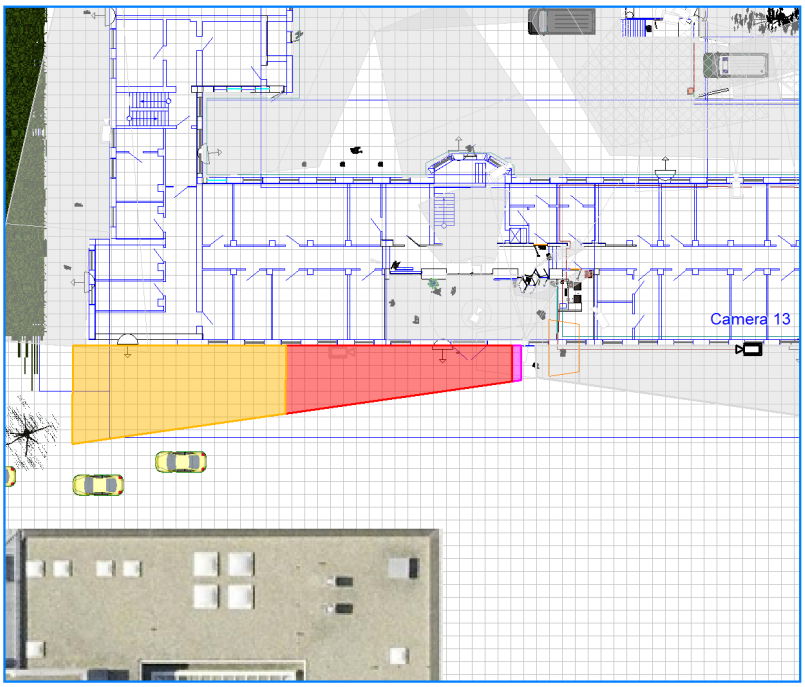

Fig.63. Camera 13. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

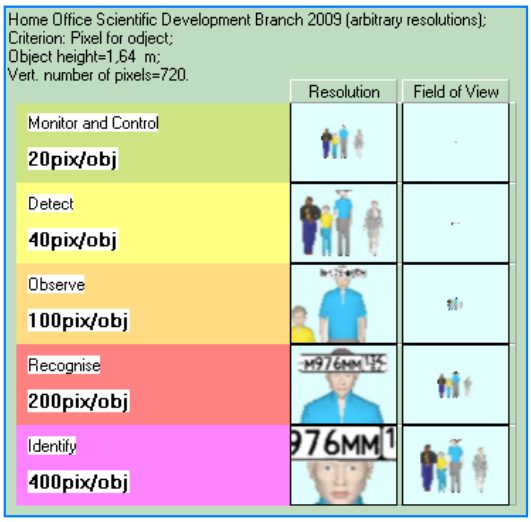

Fig.64. Camera 13. Spatial resolution and field of view size at the far borders of colored regions

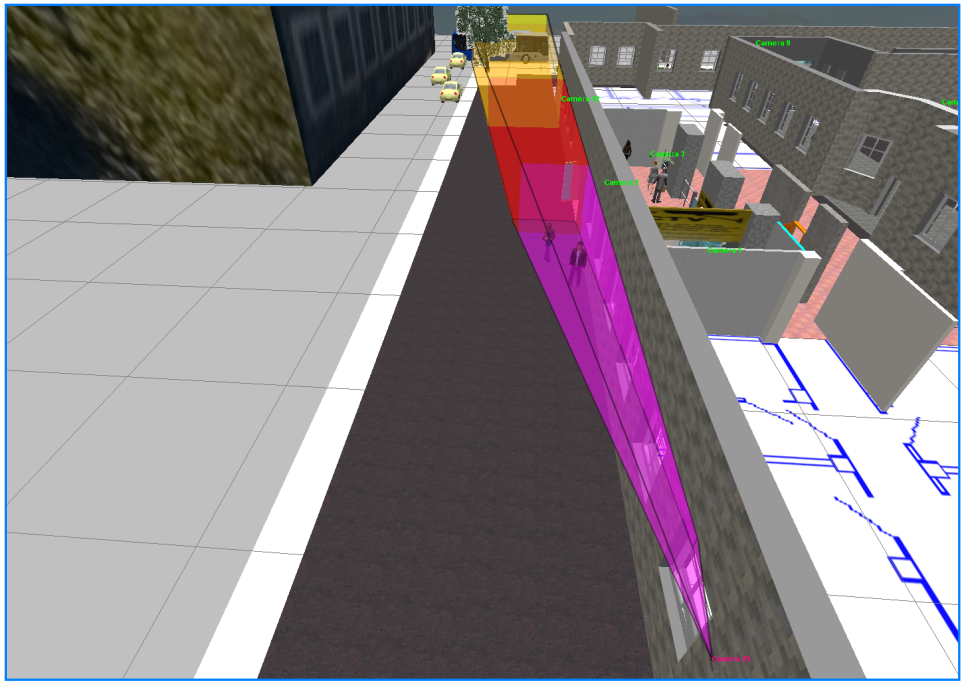

Fig.65. Camera 13. 3D view area

Fig.66. Camera 13. Camera model photo P1364-E-16mm

Table 12. Camera parameters of Camera 13

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 13	Layout 1	Layer 1	Perimeter bottom	0	Here may be a short description of the camera.	P1364-E-16mm

Table 12. Camera parameters of Camera 13. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 12. Camera parameters of Camera 13. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 12. Camera parameters of Camera 13. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 12. Camera parameters of Camera 13. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 12. Camera parameters of Camera 13. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 12. Camera parameters of Camera 13. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 12. Camera parameters of Camera 13. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	5,39	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	23,1

2.6 Perimeter left

Fig.67. View area projections of cameras of the Group Perimeter left

2.6.1 Camera 8

Here may be a short description of the camera.

Fig.68. Camera 8. Camera image

Fig.69. Camera 8. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

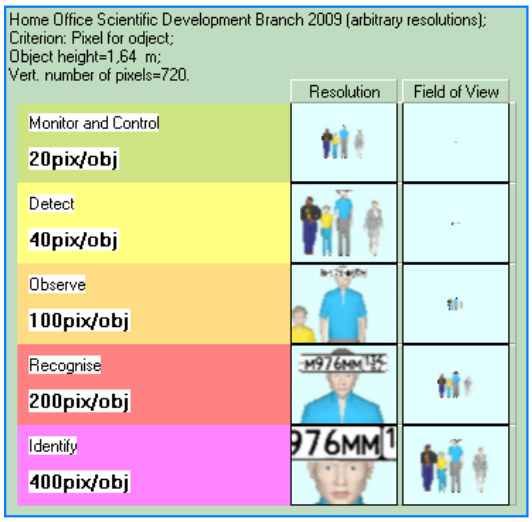

Fig.70. Camera 8. Spatial resolution and field of view size at the far borders of colored regions

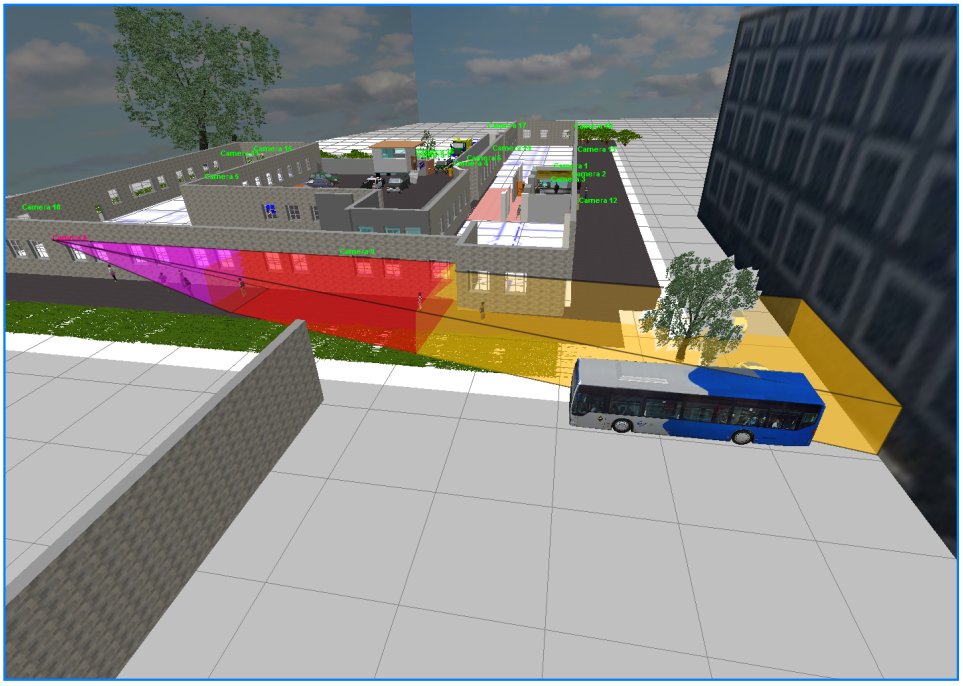

Fig.71. Camera 8. 3D view area

Fig.72. Camera 8. Camera model photo P1364-E-16mm

Table 13. Camera parameters of Camera 8

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 8	Layout 1	Layer 1	Perimeter left	0	Here may be a short description of the camera.	P1364-E-16mm

Table 13. Camera parameters of Camera 8. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 13. Camera parameters of Camera 8. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 13. Camera parameters of Camera 8. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 13. Camera parameters of Camera 8. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 13. Camera parameters of Camera 8. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 13. Camera parameters of Camera 8. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 13. Camera parameters of Camera 8. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	5,48	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable TMP	87,3

2.6.2 Camera 9

Here may be a short description of the camera.

Fig.73. Camera 9. Camera image

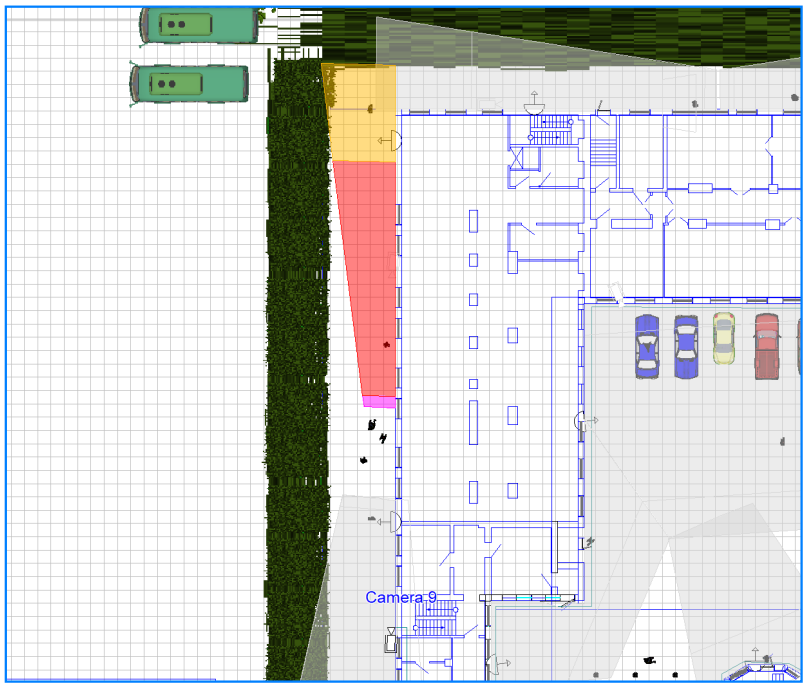

Fig.74. Camera 9. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

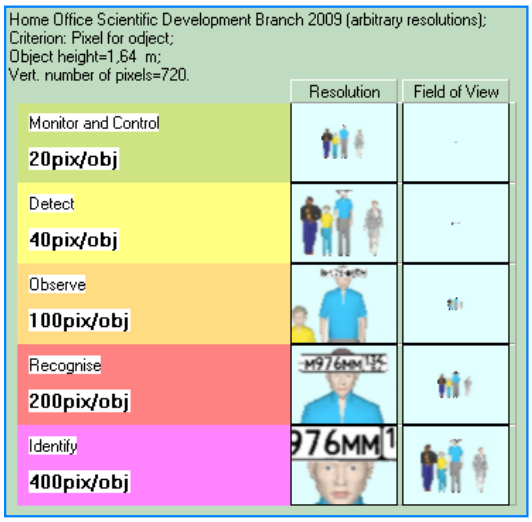

Fig.75. Camera 9. Spatial resolution and field of view size at the far borders of colored regions

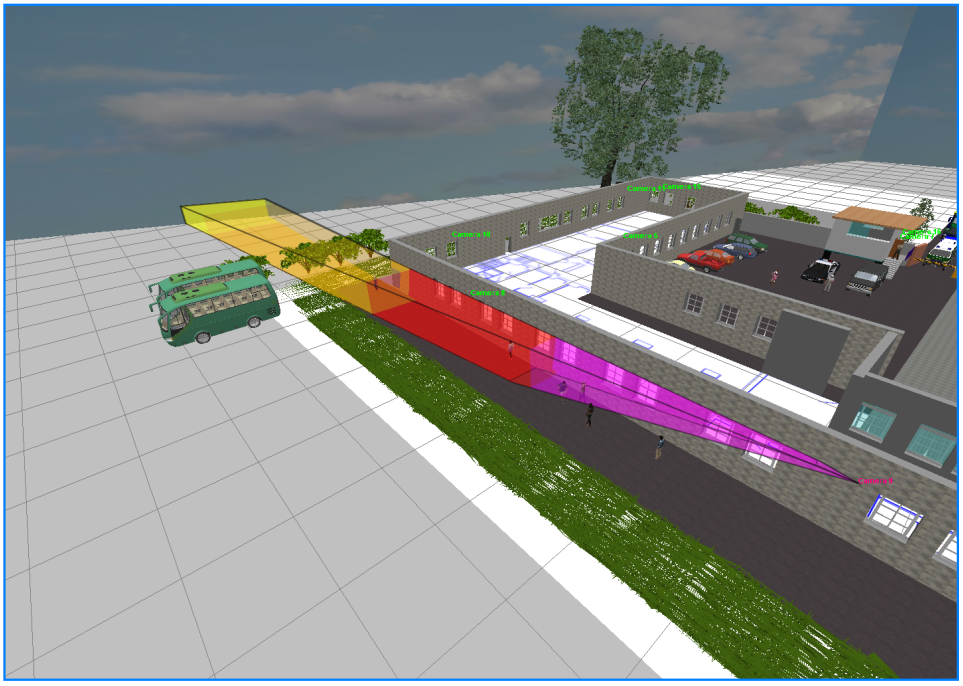

Fig.76. Camera 9. 3D view area

Fig.77. Camera 9. Camera model photo P1364-E-16mm

Table 14. Camera parameters of Camera 9

Name	Layout	Layer	Group	Positions	Description	Model
						Name
Camera 9	Layout 1	Layer 1	Perimeter left	0	Here may be a short description of the camera.	P1364-E-16mm

Table 14. Camera parameters of Camera 9. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels
								Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 14. Camera parameters of Camera 9. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 14. Camera parameters of Camera 9. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 14. Camera parameters of Camera 9. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 14. Camera parameters of Camera 9. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 14. Camera parameters of Camera 9. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 14. Camera parameters of Camera 9. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	5,51	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable TMP	58,8

2.7 Perimeter right

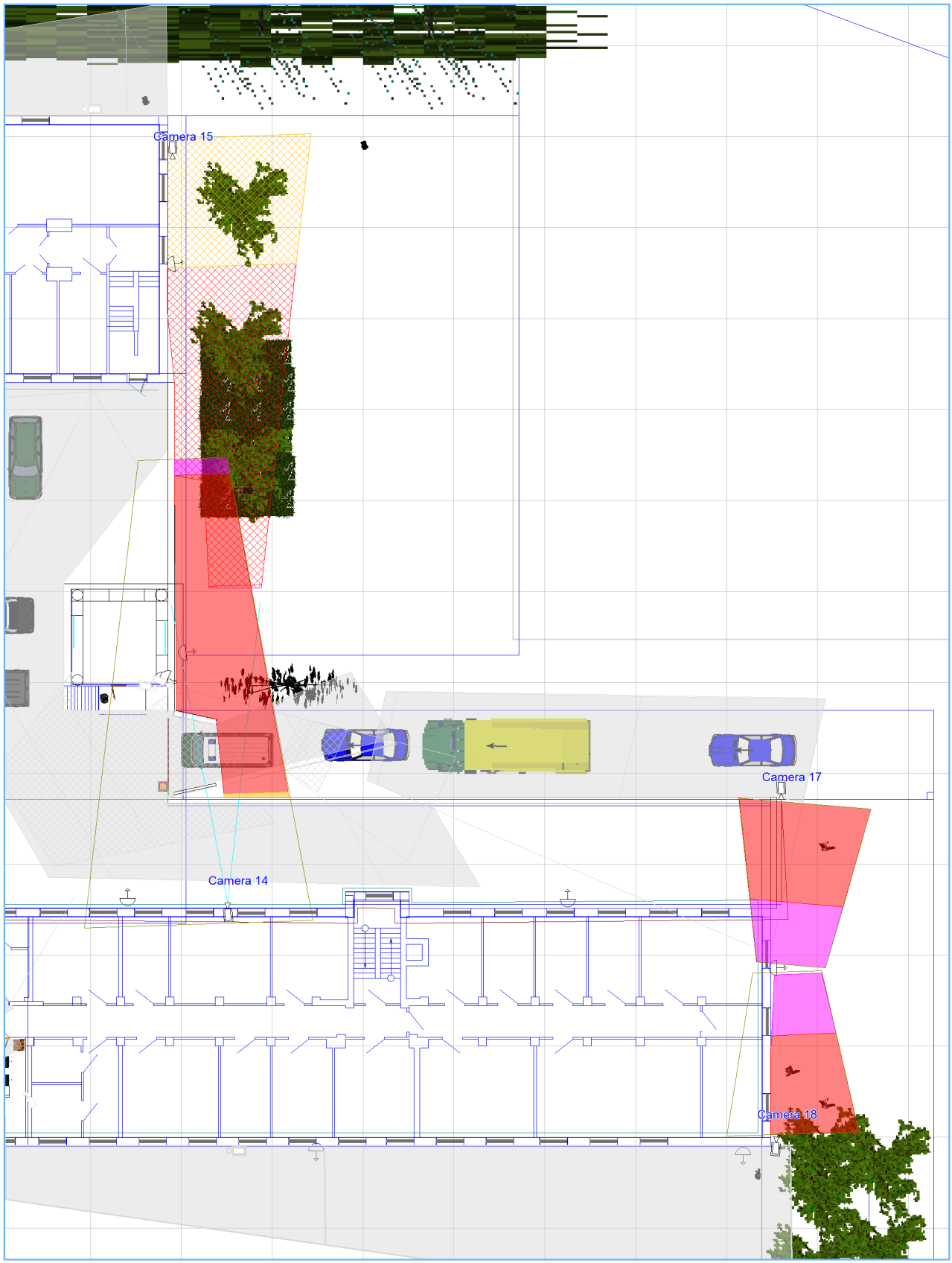

Fig.78. View area projections of cameras of the Group Perimeter right

2.7.1 Camera 14

Here may be a short description of the camera.

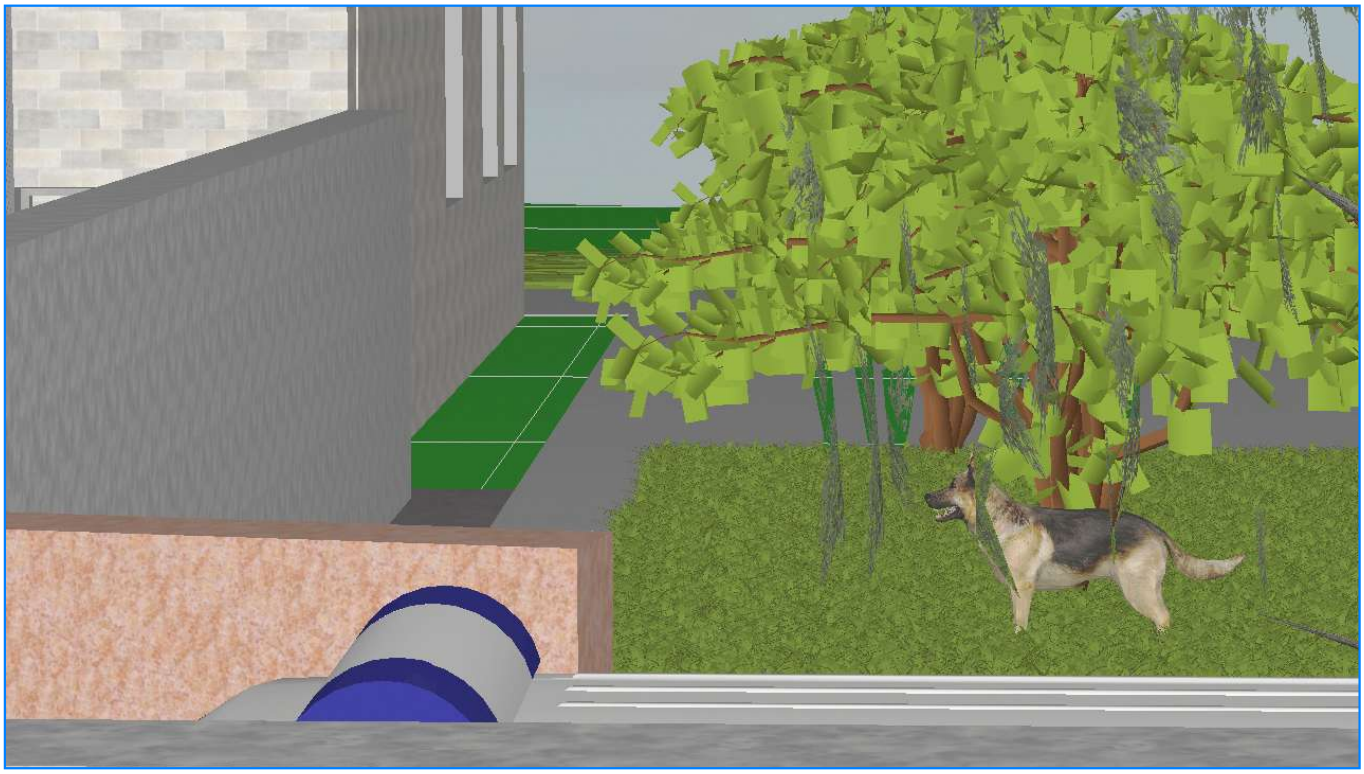

Fig.79. Camera 14. Camera image

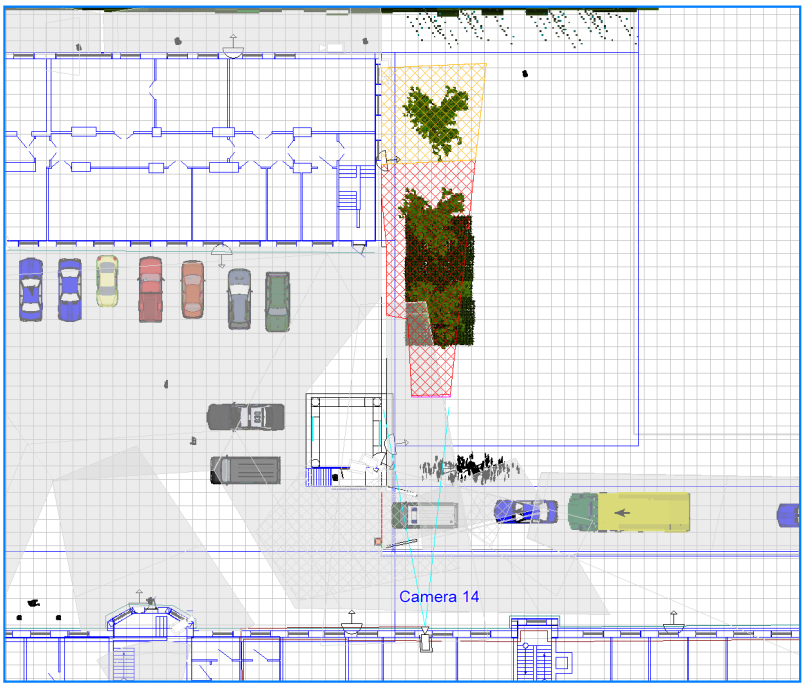

Fig.80. Camera 14. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

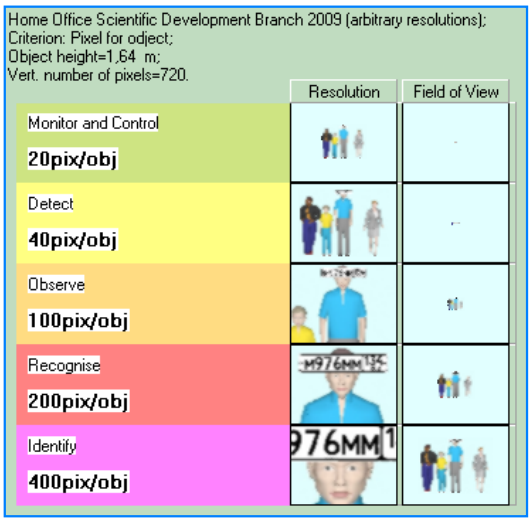

Fig.81. Camera 14. Spatial resolution and field of view size at the far borders of colored regions

Fig.82. Camera 14. 3D view area

Fig.83. Camera 14. Camera model photo P1364-E-16mm

Table 15. Camera parameters of Camera 14

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 14	Layout 1	Layer 1	Perimeter right	0	Here may be a short description of the camera.	P1364-E-16mm

Table 15. Camera parameters of Camera 14. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 15. Camera parameters of Camera 14. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 15. Camera parameters of Camera 14. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 15. Camera parameters of Camera 14. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 15. Camera parameters of Camera 14. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 15. Camera parameters of Camera 14. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 15. Camera parameters of Camera 14. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	5,51	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Cable RTP	30,3

2.7.2 Camera 15

Here may be a short description of the camera.

Fig.84. Camera 15. Camera image

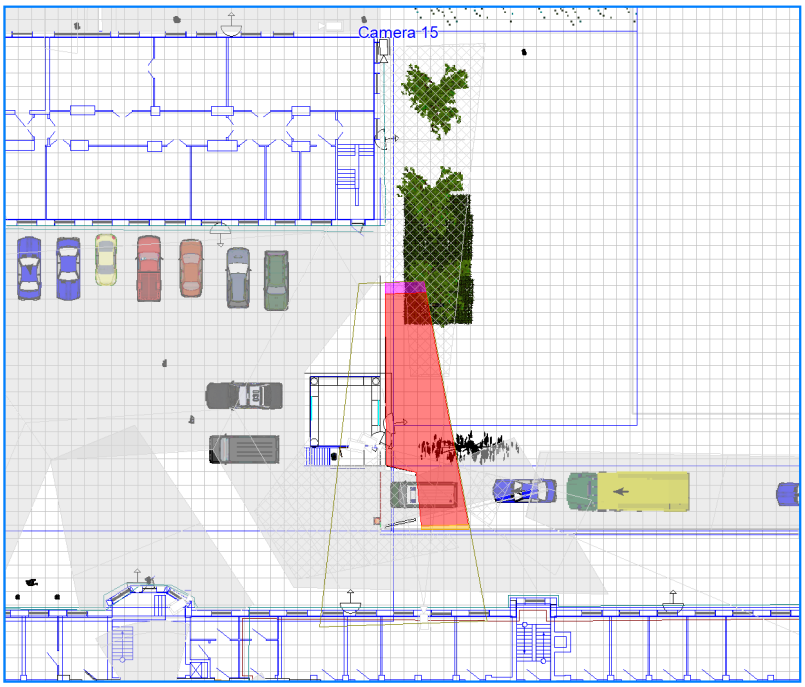

Fig.85. Camera 15. View area projection within the height range of 0.5 - 3 m. Spatial resolution at the height of 1,75 m.

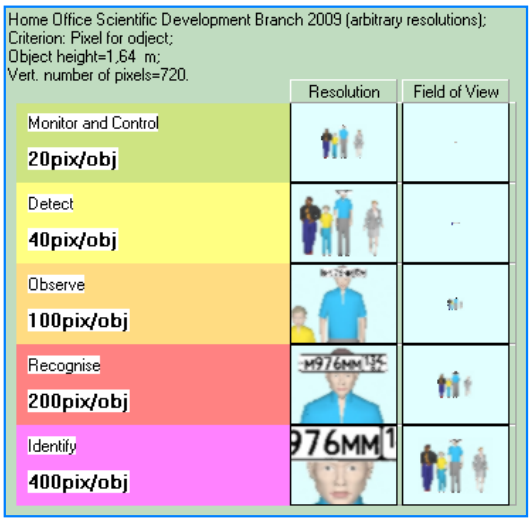

Fig.86. Camera 15. Spatial resolution and field of view size at the far borders of colored regions

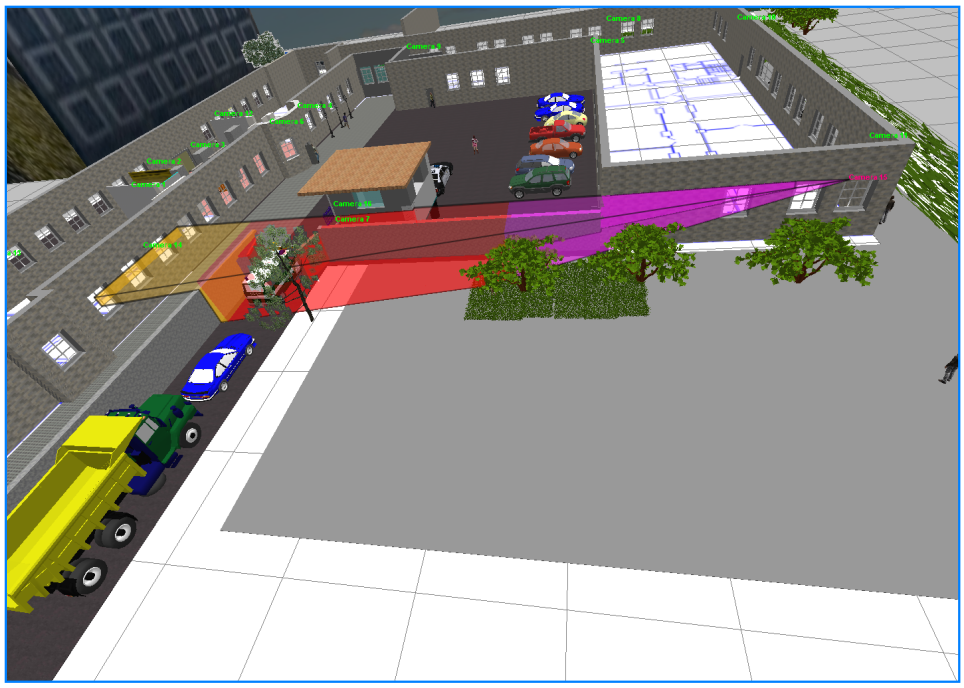

Fig.87. Camera 15. 3D view area

Fig.88. Camera 15. Camera model photo P1364-E-16mm

Table 16. Camera parameters of Camera 15

Name	Layout	Layer	Group	Positions	Description	Model Name
Camera 15	Layout 1	Layer 1	Perimeter right	0	Here may be a short description of the camera.	P1364-E-16mm

Table 16. Camera parameters of Camera 15. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	16mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 16. Camera parameters of Camera 15. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 16. Camera parameters of Camera 15. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	16		17,1	

Table 16. Camera parameters of Camera 15. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
9,65		manual	1,3	16	N/A	90	calc	17,8	calc

Table 16. Camera parameters of Camera 15. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
85,2	calc	No	360	90	90				12

Table 16. Camera parameters of Camera 15. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	9	yes		https://www.axis.com/products/axis-p1364-e

Table 16. Camera parameters of Camera 15. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	5,51	3	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Twisted pair	134

2.7.3 Camera 17

Here may be a short description of the camera.

Fig.89. Camera 17. Camera image

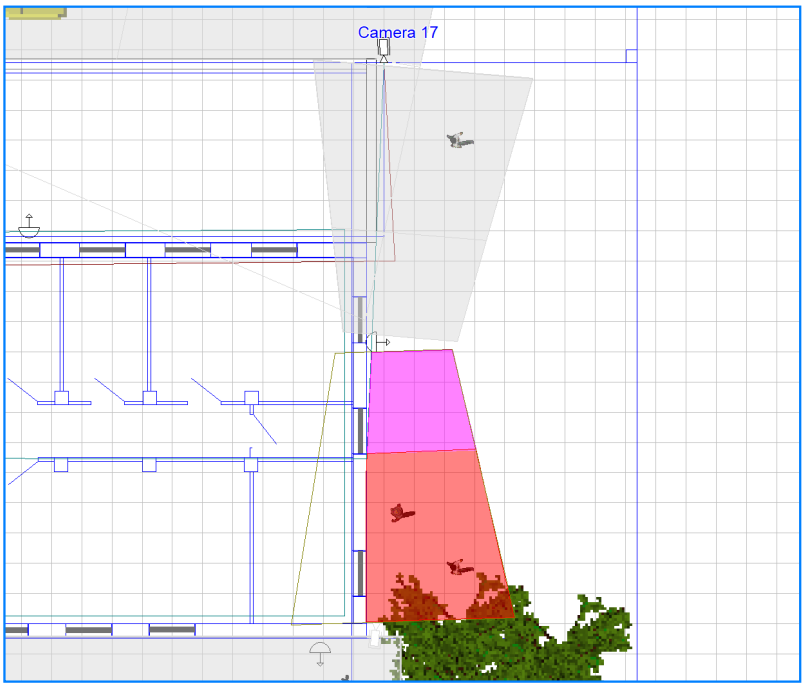

Fig.90. Camera 17. View area projection within the height range of 0.5 - 2 m. Spatial resolution at the height of 1,25 m.

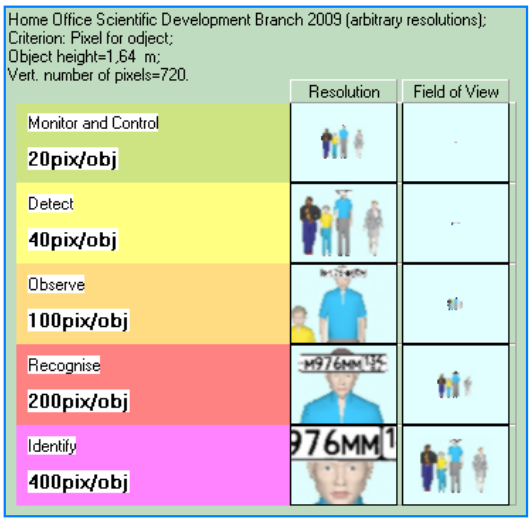

Fig.91. Camera 17. Spatial resolution and field of view size at the far borders of colored regions

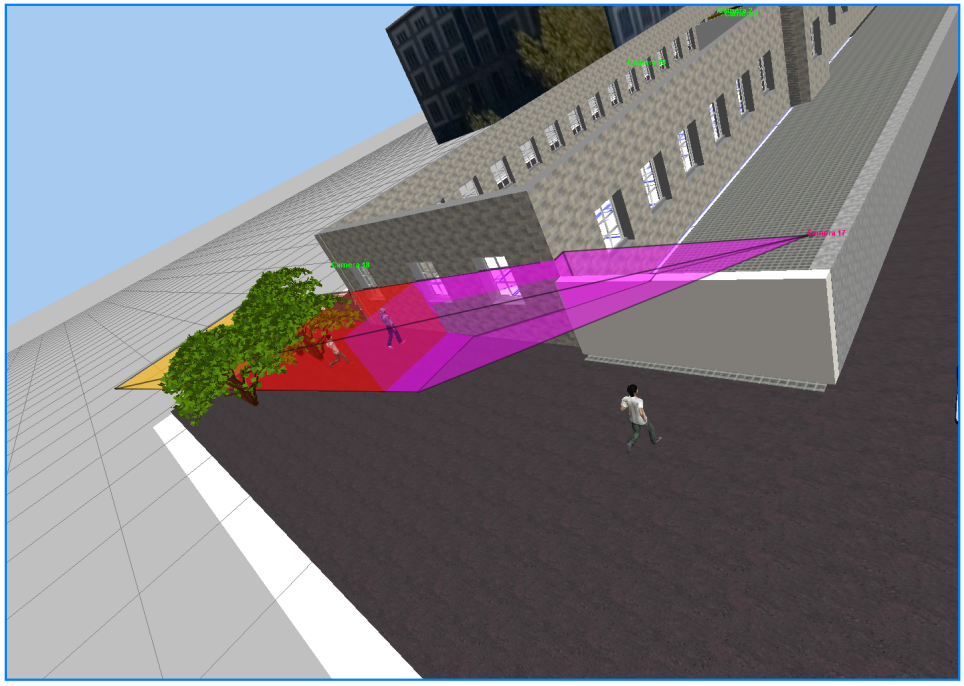

Fig.92. Camera 17. 3D view area

Fig.93. Camera 17. Camera model photo P1364-E-12mm

Table 17. Camera parameters of Camera 17

Name	Layout	Layer	Group	Positions	Description	Model
						Name
Camera 17	Layout 1	Layer 1	Perimeter right	0	Here may be a short description of the camera.	P1364-E-12mm

Table 17. Camera parameters of Camera 17. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels
								Horiz.
Axis	12mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 17. Camera parameters of Camera 17. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 17. Camera parameters of Camera 17. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	12		22,6	

Table 17. Camera parameters of Camera 17. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
12,8		DC	1,4	360	N/A	90	calc	24,1	calc

Table 17. Camera parameters of Camera 17. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
107	calc	No	360	90	90				12

Table 17. Camera parameters of Camera 17. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	8	yes		https://www.axis.com/products/axis-p1364-e

Table 17. Camera parameters of Camera 17. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	11,1	2	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Twisted pair	69,6

2.7.4 Camera 18

Here may be a short description of the camera.

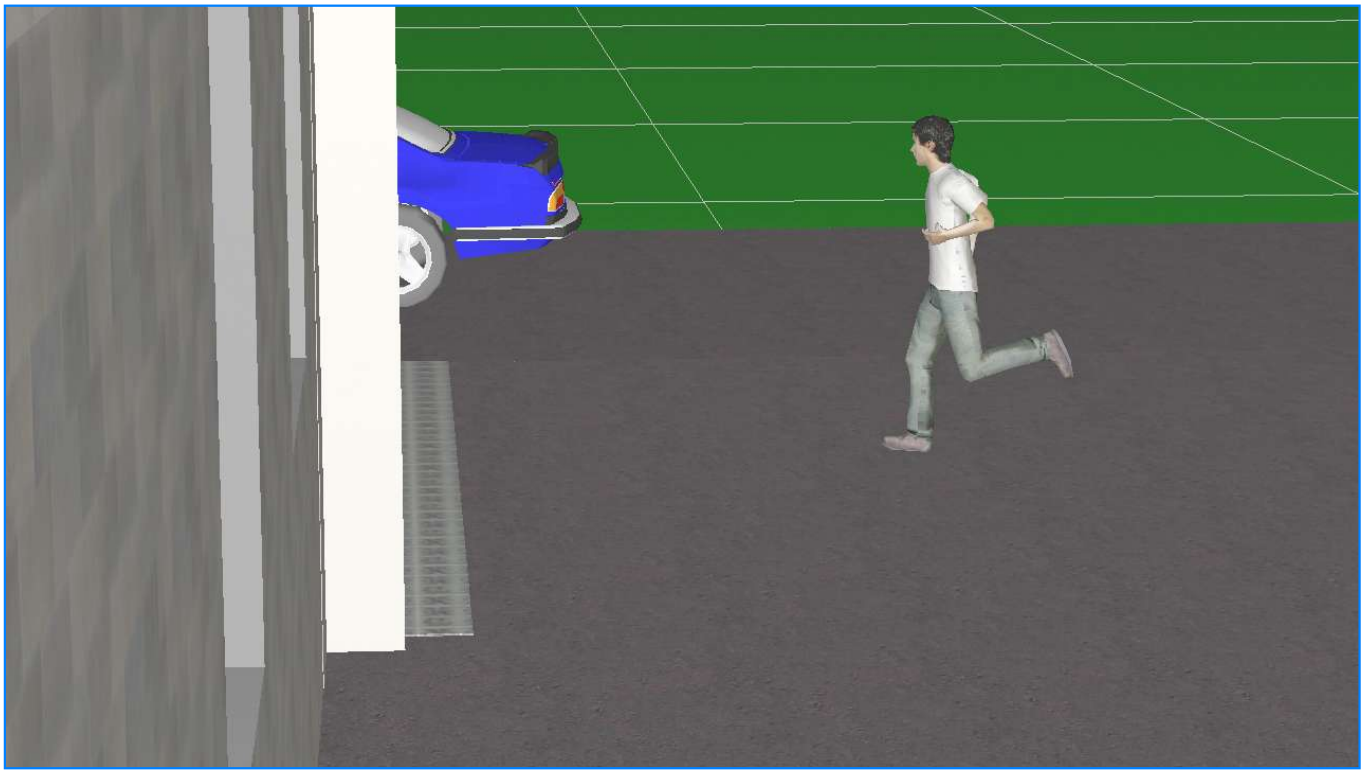

Fig.94. Camera 18. Camera image

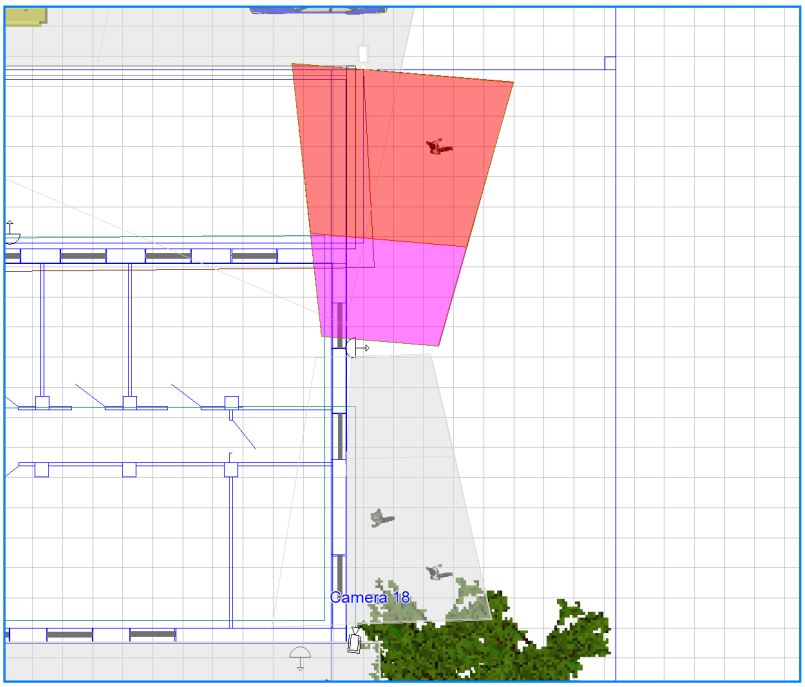

Fig.95. Camera 18. View area projection within the height range of 0.5 - 2 m. Spatial resolution at the height of 1,25 m.

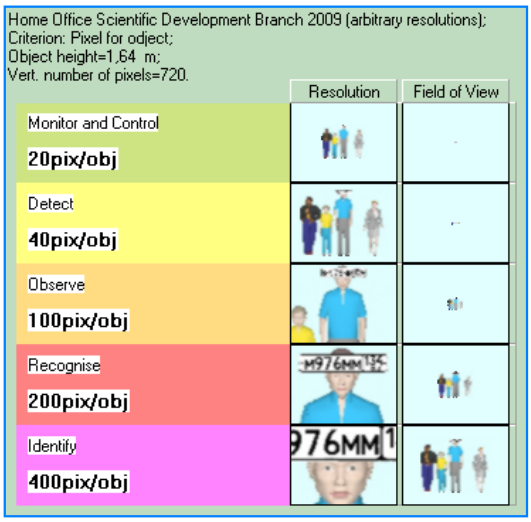

Fig.96. Camera 18. Spatial resolution and field of view size at the far borders of colored regions

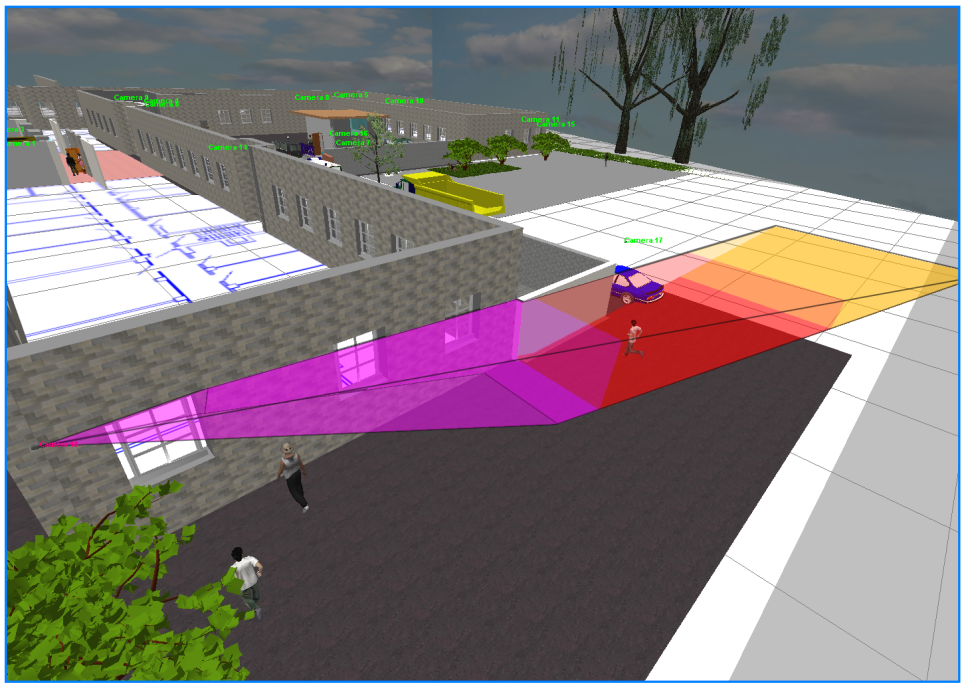

Fig.97. Camera 18. 3D view area

Fig.98. Camera 18. Camera model photo P1364-E-12mm

Table 18. Camera parameters of Camera 18

Name	Layout	Layer	Group	Positions	Description	Model
						Name
Camera 18	Layout 1	Layer 1	Perimeter right	0	Here may be a short description of the camera.	P1364-E-12mm

Table 18. Camera parameters of Camera 18. Continuation

Model								
			Type		Image sensor			
Producer	Key Feature	Icon	Output	Color	Number of sensors	Model	Size	Number of pixels Horiz.
Axis	12mm	fixed	Ethernet 100Mbit	day/night	1	Exview HAD™ CCD	1/3"	1280

Table 18. Camera parameters of Camera 18. Continuation

Model								
Image sensor				Frame rate		Signal/noise (dB)	Sensitivity	
Number of pixels		Aspect ratio						
Vert.	List	Values	Calculate from pixels	Max (fps)	Current (fps)	Max. (weighted)	Camera mode	Min. scene illumination (lux)
720	160*90; 1280*720;	16:9	No	0	5	50		0,2

Table 18. Camera parameters of Camera 18. Continuation

Model										
Built-in IR	Connectors			Lens						
						Focal length			Calculated angles	
									Hor.	
IR	Alarm Inputs	Alarm Outputs	SD card	Model	Type	Control	Current (mm)	List / Range	(deg.)	List / Range
No		0			standard	vari-focal	12		22,6	

Table 18. Camera parameters of Camera 18. Continuation

Model									
Lens									
Calculated angles		Iris			Distortion				
Vert.						Real angles			
						Horizontal		Vertical	
(deg.)	List / Range	Control	Max. (F)	Min. (F)	Model.	degree	Set	degree	Set
12,8		DC	1,4	360	N/A	90	calc	24,1	calc

Table 18. Camera parameters of Camera 18. Continuation

Model									
Lens		PTZ camera				Additional features			Power supply
Distortion			Max. angles (deg.)						
Real angles									
Diagonal									
degree	Set	PTZ	Pan	Up	Down	Microphone	VMD	Speaker	Voltage (V)
107	calc	No	360	90	90				12

Table 18. Camera parameters of Camera 18. Continuation

Model								
Power supply			Case					
Consumption								
Power (watt)	Current (A)	Source	Protection	Provider	Total cost	Photo	Add. information	Internet link
5	0,417	PoE	outdoor	CCTVShop	8	yes		https://www.axis.com/products/axis-p1364-e

Table 18. Camera parameters of Camera 18. Continuation

Installation					Spatial resolution pattern	Cable			
			View area			Power		Signal	
Base height	Height	Camera tilt angle	Upper bound Height	Lower bound Height		Brand	Length (m)	Brand	Length (m)
0	3,5	11,1	2	0,5	Home Office Scientific Development Branch 2009 (arbitrary resolutions)	Cable TMP	0	Twisted pair	65,4

3 All cameras

Table 19. Camera table

Name	Model												Installation					Cable			
	Name	Producer	Key Feature	Type	Image sensor			Frame rate	Lens		Total cost	Internet link	Height	View area				Power		Signal	
					Number of pixels			Current (fps)	Focal length					Upper bound		Lower bound					
				Color	Horiz.	Vert.	List		Current (mm)	List / Range				Height	Distance	Height	Distance	Brand	Length (m)	Brand	Length (m)
Camera 1	M1124	Axis	d/n 720p indoor	day/night	1280	720	160*90; 1280*720;	5	5	3-10.5	5	https://www.axis.com/products/axis-m1124	3	2	3,03	0,5	2,21	Cable TMP	0	Cable RTP	6,83
Camera 2	M1124	Axis	d/n 720p indoor	day/night	1280	720	160*90; 1280*720;	5	5,88	3-10.5	5	https://www.axis.com/products/axis-m1124	3	2	4,74	0,5	3,23	Cable TMP	0	Cable RTP	10
Camera 3	M3058-PLVE	Axis	fisheye	day/night	4000	3000	160*160;4000*3000;	5	fisheye		15	https://www.axis.com/products/axis-m3058-plve	3	2	9,26	0,5	1,08	Cable TMP	0	Cable RTP	16,5
Camera 5	P1364-E-12mm	Axis	12mm	day/night	1280	720	160*90; 1280*720;	5	12		8	https://www.axis.com/products/axis-p1364-e	5	4	33	0,5	17,3	Cable TMP	0	Twisted pair	91,1
Camera 6	P1364-E	Axis	d/n 720p indoor	day/night	1280	720	160*90; 1280*720;	5	6	2.8-8.5	10	https://www.axis.com/products/axis-p1364-e	5	3	19,1	0,5	7,39	Cable TMP	0	Control cable	20,4
Camera 7	P1364-E-12mm	Axis	12mm	day/night	1280	720	160*90; 1280*720;	5	12		8	https://www.axis.com/products/axis-p1364-e	2,8	2	9,77	0,5	7,29	Cable TMP	0	Cable RTP	114
Camera 8	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90; 1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3,5	3	43,3	0,5	16,5	Cable TMP	0	Cable TMP	87,3
Camera 9	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90; 1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3,5	3	41,4	0,5	16,4	Cable TMP	0	Cable TMP	58,8

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Table 19. Camera table. Continuation

Camera 10	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90;1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3,5	3	36,9	0,5	16,3	Cable TMP	0	Signal cable	107
Camera 11	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90;1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3,5	3	41,4	0,5	16,4	Cable TMP	0	Cable RTP	144
Camera 12	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90;1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3	2,5	60,2	0,5	14	Cable TMP	0	Cable RTP	25,6
Camera 13	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90;1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3,5	3	50,5	0,5	16,6	Cable TMP	0	Cable RTP	23,1
Camera 14	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90;1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3,5	3	41,4	0,5	16,4	Cable TMP	0	Cable RTP	30,3
Camera 15	P1364-E-16mm	Axis	16mm	day/night	1280	720	160*90;1280*720;	5	16		9	https://www.axis.com/products/axis-p1364-e	3,5	3	41,4	0,5	16,4	Cable TMP	0	Twisted pair	134
Camera 16	P1364-E-12mm	Axis	12mm	day/night	1280	720	160*90;1280*720;	5	12		8	https://www.axis.com/products/axis-p1364-e	3,5	3	35,8	0,5	12,4	Cable TMP	0	Twisted pair	139
Camera 17	P1364-E-12mm	Axis	12mm	day/night	1280	720	160*90;1280*720;	5	12		8	https://www.axis.com/products/axis-p1364-e	3,5	2	18,4	0,5	9,52	Cable TMP	0	Twisted pair	69,6
Camera 18	P1364-E-12mm	Axis	12mm	day/night	1280	720	160*90;1280*720;	5	12		8	https://www.axis.com/products/axis-p1364-e	3,5	2	18,4	0,5	9,52	Cable TMP	0	Twisted pair	65,4
Camera 4	Q3709-PVE	Axis	3 sensors 180 deg	day/night	3840	2880	320*240;3840*2880;	5	5		30	https://www.axis.com/products/axis-q3709-pve	5	2	31,5	0,5	3,14	Cable TMP	0	Cable RTP	24,7

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4 Camera models

Table 20. Camera model table

Parameter				Camera models					
			Name	P1364-E	M1124	Q3709-PVE	M3058-PLVE	P1364-E-16mm	P1364-E-12mm
			Producer	Axis	Axis	Axis	Axis	Axis	Axis
			Key Feature	d/n 720p indoor	d/n 720p indoor	3 sensors 180 deg	fisheye	16mm	12mm
Type			Output	Ethernet 100Mbit	Ethernet 100Mbit	Ethernet 100Mbit	Ethernet 100Mbit	Ethernet 100Mbit	Ethernet 100Mbit
			Color	day/night	day/night	day/night	day/night	day/night	day/night
Image sensor			Number of sensors	1	1	3	1	1	1
	Number of pixels		Horiz.	1280	1280	3840	4000	1280	1280
			Vert.	720	720	2880	3000	720	720
			List	160*90;1280*720;	160*90;1280*720;	320*240;3840*2880;	160*160;4000*3000;	160*90;1280*720;	160*90;1280*720;
Built-in IR			IR	No	No	No	No	No	No
Lens			Type	standard	standard	megapixel resolution	fisheye	standard	standard
	Focal length		(mm)	6	6	5	1,3	16	12
			List / Range	2.8-8.5	3-10.5				
	Calculated angles	Hor.	(deg.)	43,6	43,6	63,3	142	17,1	22,6
		Vert.	(deg.)	33,4	33,4	49,7	131	12,8	17,1
	Distortion		Model.	No	No	No	No	No	No
PTZ camera			PTZ	No	No	No	No	No	No
Power supply			Voltage (V)	12	12	12	12	12	12
			Source	PoE	8-28V PoE	PoE	PoE	PoE	PoE
Case			Protection	outdoor	indoor	outdoor	outdoor	outdoor	outdoor
			Form						
			Provider	CCTVShop	CCTVShop	CCTVShop	CCTVShop	CCTVShop	CCTVShop

Table 20. Camera model table. Continuation

Cost	10	5	30	15	9	8
Add. Costs 1						
Number of cameras	1	2	1	1	8	5
Total cost	10	10	30	15	72	40
Photo	yes	yes	yes	yes	yes	yes
Internet link	https://www.axis.com/products/axis-p1364-e	https://www.axis.com/products/axis-m1124	https://www.axis.com/products/axis-q3709-pve	https://www.axis.com/products/axis-m3058-plve	https://www.axis.com/products/axis-p1364-e	https://www.axis.com/products/axis-p1364-e

Fig.99. P1364-E

Fig.100. M1124

Fig.101. Q3709-PVE

Fig.102. M3058-PLVE

Fig.103. P1364-E-16mm

Fig.104. P1364-E-12mm

5 Cameras summary

5.1 Number of cameras: 18.
5.2 Camera filter is not set.
5.3 Sorting cameras is disabled.
5.4 Number of lens focal lenghts: 6.

- 5mm: 2;
- 5,88mm: 1;
- fisheye lens: 1;
- 6mm: 1;
- 12mm: 5;
- 16mm: 8;

5.5 Number of camera resolutions: 3.

- 1280*720: 16;
- 4000*3000: 1;
- 3840*2880: 1;

5.6 Number of camera models: 6.

- M1124: 2;
- M3058-PLVE: 1;
- P1364-E: 1;
- P1364-E-12mm: 5;
- Q3709-PVE: 1;
- P1364-E-16mm: 8;

5.7 Total cost of cameras: 177,00 .

6 Cables summary

Table 21. Cable table

Cable type	Cables of cameras m.	Main cable m.	Total length m.
Cable TMP	146	198	344
Cable RTP	395	63,5	458
Control cable	20,4	0	20,4
Signal cable	107	0	107
Twisted pair	499	0	499

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7 Spatial resolution patterns

7.1 Home Office Scientific Development Branch 2009 (arbitrary resolutions)

Monitor and Control (20pix/obj)
Detect (40pix/obj)
Observe (100pix/obj)
Recognise (200pix/obj)
Identify (400pix/obj)
Direction= Vertical
Object height= 1,64 m
Height of measuring spatial resolution= AUTO

7.2 European Standard EN 62676-4 2015

Monitoring (12pix / m)
Detection (25pix / m)
Observation (62pix / m)
Recognition (125pix / m)
Identification (250pix / m)
Strong identification (1000pix / m)
Direction= Vertical
Height of measuring spatial resolution= AUTO

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8 Conclusion

Here may be an arbitrary Conclusion of the report. It may consist of many pages. The Conclusion is loaded from a plain text file as well as the Introduction. HTML tags are recognized.

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