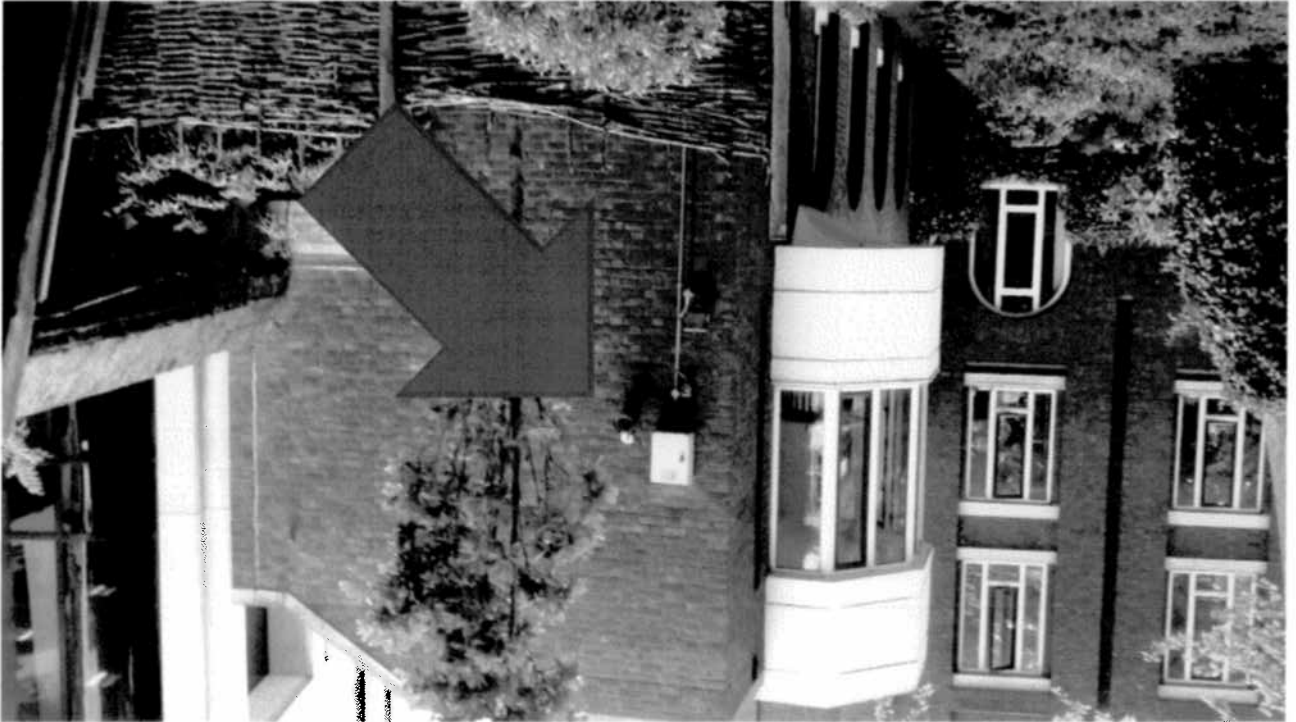


- The camera and housing will be fitted on the left hand wall of the back of the Office Buildings
- The height of the camera is approximately 4 metres
- The cable route will follow along the wall and through the tool shed and greenhouse



**CAMERA 22 LOCATION**

- The camera is required to view images up to 55 metres away
- The angle of view is 42 degrees
- The width of the scene is therefore 42 metres



CAMERA 22 VIEW

# Camera 23 – Looking at 30 Lincoln’s Inn

## Fields

- Avigilon 5.0-H3-DO1-IR
- 5 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 5 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted externally on the left corner wall of number 30 Lincoln’s Inn Fields. The camera will be viewing the office windows and general area.

- The camera will be fitted at a height of approximately 4 metres
- The camera needs to see objects clearly up to 20 metres
- The angle of view will be 81 degrees
- The scene width, from left to right, will be 35 metres
- The pixels-per-metre, at 20 metres away, will therefore be 74p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## CAMERA 23 TECHNICAL SPECIFICATION

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 lux minimum illumination in colour
- 0.03 lux minimum illumination in mono
- Motion detection
- 3 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

CAMERA LENS

- The 5 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 90 degree angle of coverage
- In order to see a horizontal view of 81 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre of 74p/m, at a distance of 20 metres

## CAMERA 23 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing

- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

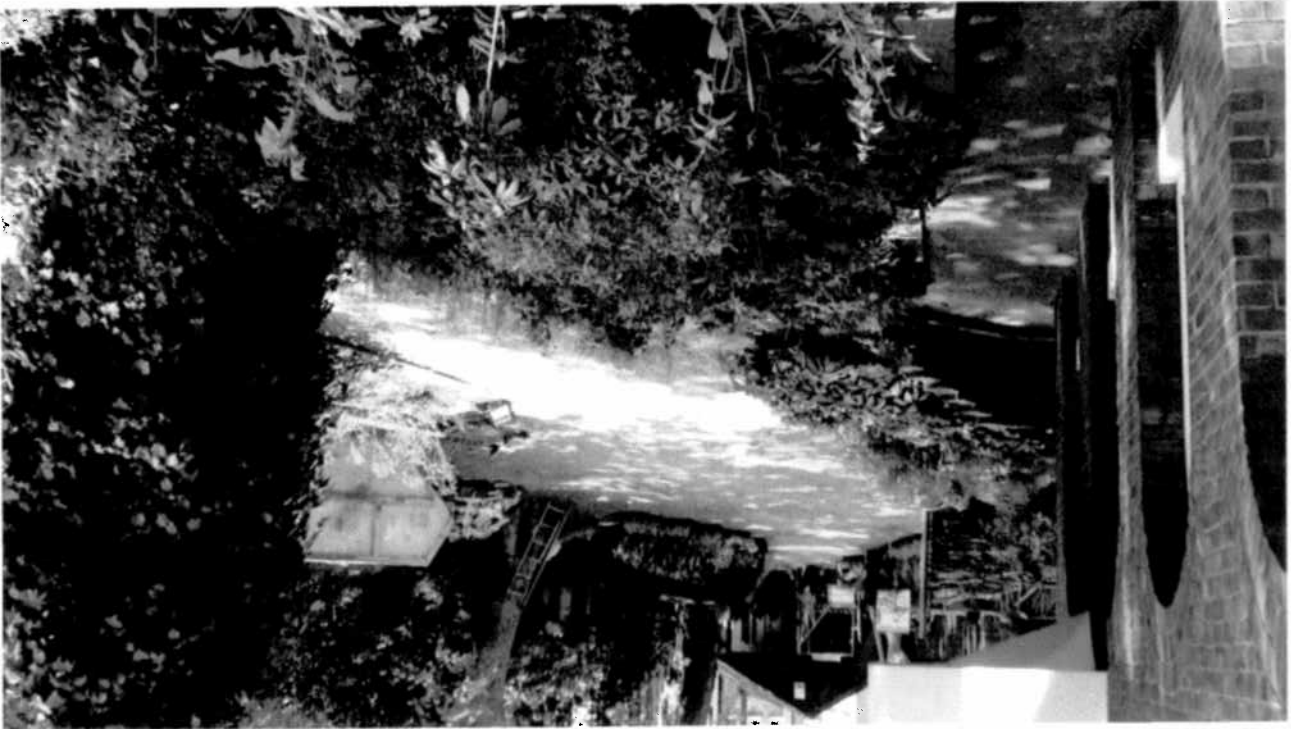
- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

- The dome camera will be fitted on the corner wall of the office building
- The height of the camera is approximately 4 metres
- The cable route will be clipped on the external wall where it will follow the cable route for camera 22



CAMERA 23 LOCATION

- The camera is required to view images up to 20 metres away
- The angle of view is 81 degrees
- The width of the scene is therefore 35 metres



CAMERA 23 VIEW



# Camera 24 – Front Left Entrance from Newman’s Row

- Avigilon 3.0-H3-DO1-IR
- 3 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 3 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted externally on the wall of the path going to Newman’s Row, replacing the existing camera. The camera will be viewing the path and general area.

- The camera will be fitted at a height of approximately 3 metres
- The camera needs to see objects clearly up to 15 metres
- The angle of view will be 40 degrees
- The scene width, from left to right, will be 11 metres
- The pixels-per-metre, at 15 metres away, will therefore be 186p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## **CAMERA 24 TECHNICAL SPECIFICATION**

The Avigilon camera has:

- 3 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3 inch progressive scan CMOS image sensor
- 20 images per second image rate at full resolution
- Active pixels 2048 (H) x 1536 (V)
- 100dB dynamic range
- 0.2 lux minimum illumination in colour
- 0.02 lux minimum illumination in mono
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 3 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 84 degree angle of coverage
- In order to see a horizontal view of 40 degrees, the lens will be set to an angle of 6mm. This will achieve a projected pixels-per-metre of 186p/m, at a distance of 15 metres

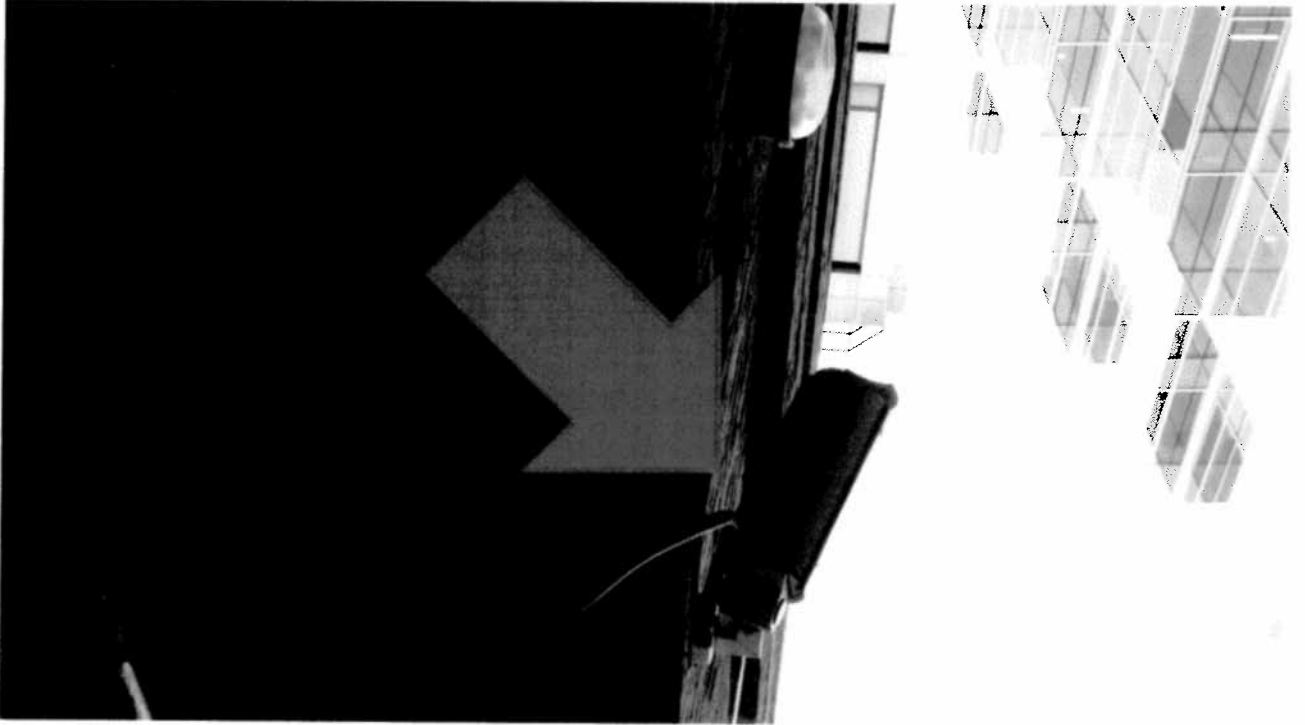
## CAMERA 24 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing
- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

**CAMERA 24 LOCATION**



- The dome camera will be fitted on the wall of the pathway going to Newman's Row
- The height of the camera is approximately 3 metres
- The route will be clipped on the external wall where it will follow the cable route for camera 23

- The camera is required to view images up to 15 metres away
- The angle of view is 40 degrees
- The width of the scene is therefore 11 metres



CAMERA 24 VIEW

## Camera 25 – LHS of North Gardens

- Avigilon 5.0-H3-BO1-IR
- 5 Megapixel colour/mono camera
- Built-in infra-red LEDs up to 30 metres



An Avigilon 5 Megapixel bullet camera connected to an integral lens, within a vandal-resistant housing, will be fitted externally on the near left hand corner of the wall adjacent to camera 24. The camera will be viewing the left hand side of the North Gardens and the general area.

- The camera will be fitted at a height of approximately 4 metres
- The camera needs to see objects clearly up to 100 metres
- The angle of view will be 74 degrees
- The scene width, from left to right, will be 150 metres
- The pixels-per-metre density, at 100 metres away, will therefore be 17p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## **CAMERA 25 TECHNICAL SPECIFICATION**

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 Lux minimum illumination in colour
- 0 Lux minimum illumination in mono (with IR)
- Zoom adaptive infra-red illumination while preventing IR saturation
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- EF lens mount
- Operating Temperature of -40 deg C to +50 deg C
- Operating Humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 22W maximum



## CAMERA LENS

- The 5 Megapixel bullet camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 84 degree angle of coverage
- In order to see a horizontal view of 74 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre density of 17p/m, at a distance of 100 metres

## CAMERA 25 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing
- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The bullet camera already has an infra-red LED array connected to the camera
- This infra-red LED array will allow night time illumination up to 30 metres from the camera
- The zoom adaptive IR LEDs provides the most effective illumination in all zoom positions
- The content adaptive IR LEDs prevents image saturation while maintaining optimum scene illumination

- The camera and housing will be fitted on the near left hand corner of the wall adjacent to camera 24
- The height of the camera is approximately 4 metres
- The cable route will be clipped on the external wall where it will follow the cable route for camera 23



**CAMERA 25 LOCATION**

- The camera is required to view images up to 100 metres away
- The angle of view is 74 degrees
- The width of the scene is therefore 150 metres



CAMERA 25 VIEW

## Camera 26 – Fire Exit Door from 30 Lincoln's Inn Fields

- Avigilon 3.0-H3-DO1-IR
- 3 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 3 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted externally on the left hand wall above the fire exit door from 30 Lincoln's Inn Fields to Newman's Row. The camera will be viewing the fire door, and general area.

- The camera will be fitted at a height of approximately 4 metres
- The camera needs to see objects clearly up to 4 metres
- The angle of view will be 39 degrees
- The scene width, from left to right, will be 4 metres
- The pixels-per-metre, at 4 metres away, will therefore be 512p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## CAMERA 26 TECHNICAL SPECIFICATION

The Avigilon camera has:

- 3 megapixel colour/mono camera with IR colour
- H.264 and MJPEG compression
- 1/3 inch progressive scan CMOS image sensor
- 20 images per second image rate at full resolution
- Active pixels 2048 (H) x 1536 (V)
- 100dB dynamic range
- 0.2 lux minimum illumination in colour
- 0.02 lux minimum illumination in mono
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 3 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 35 degree to 98 degree angle of coverage
- In order to see a horizontal view of 39 degrees, the lens will be set to an angle of 6mm. This will achieve a projected pixels-per-metre of 512p/m, at a distance of 4 metres

## CAMERA 26 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing
- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera



- The dome camera will be fitted on the left hand side wall above the fire exit door leading to Newman's Row
- The height of the camera is approximately 4 metres
- The cable route will be clipped on the external wall to the ground, where it will then enter the nearest duct a few metres away



**CAMERA 26 LOCATION**

- The camera is required to view images up to 4 metres away
- The angle of view is 39 degrees
- The width of the scene is therefore 4 metres



CAMERA 26 VIEW

# Camera 27 – Looking at Gate from Newman’s Row

- Avigilon 5.0-H3-DO1-IR
- 5 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 5 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted externally on the rear left corner of the wall of the office building. The camera will be viewing the gate going to Newman’s Row, and the general area.

- The camera will be fitted at a height of approximately 5 metres
- The camera needs to see objects clearly up to 15 metres
- The angle of view will be 83 degrees
- The scene width, from left to right, will be 28 metres
- The pixels-per-metre density, at 15 metres away, will therefore be 93p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## CAMERA 27 TECHNICAL SPECIFICATION

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 lux minimum illumination in colour
- 0.03 lux minimum illumination in mono
- Motion detection
- 3 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 5 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 84 degree angle of coverage
- In order to see a horizontal view of 83 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre density of 93p/m, at a distance of 15 metres

## CAMERA 27 HOUSING

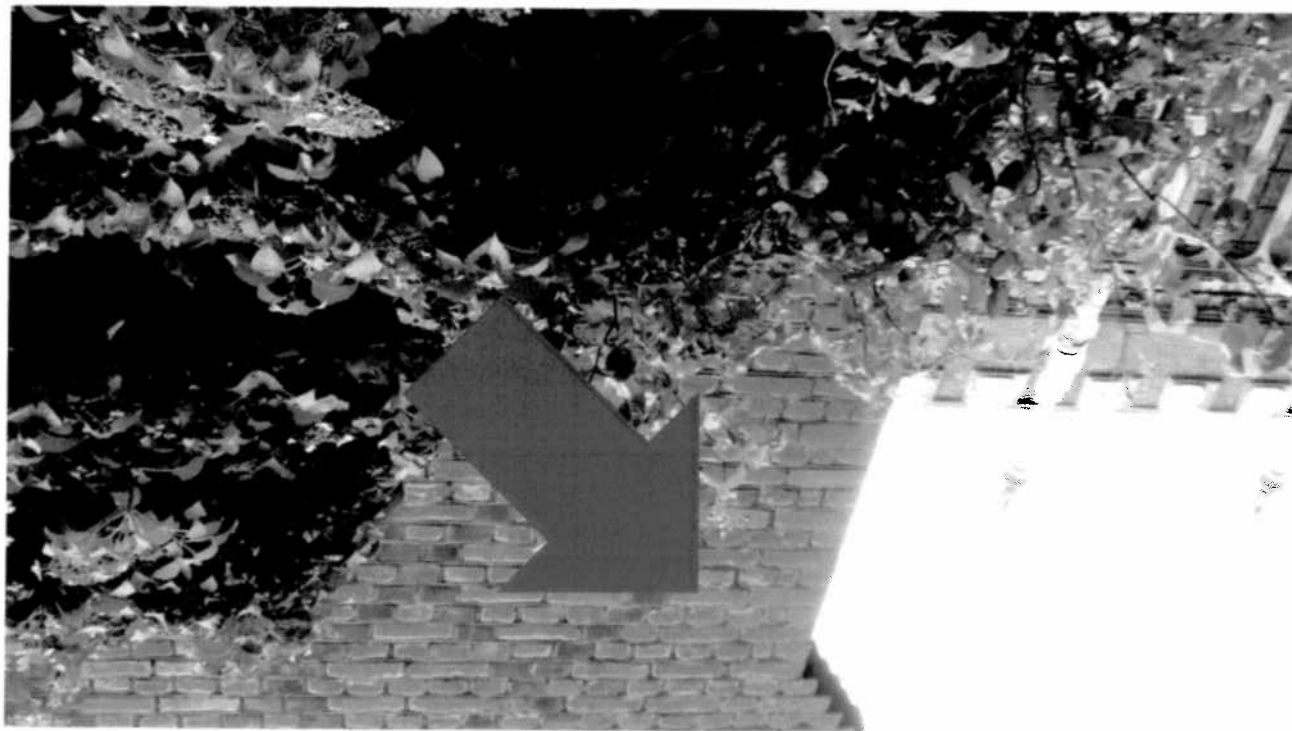
- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing

- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

**CAMERA 27 LOCATION**



- The dome camera will be fitted on the rear corner wall of the Office Building
- The height of the camera is approximately 5 metres
- The cable route will be clipped on the external wall to the ground, where it will then enter basement plant room a few metres away. The cable will need to be buried under the soft soil and grass up to the point where it enters the duct

- The camera is required to view images up to 15 metres away
- The angle of view is 83 degrees
- The width of the scene is therefore 28 metres



CAMERA 27 VIEW



# Camera 28 – Looking at Motorbike Area in North Gardens

- Avigilon 5.0-H3-BO1-IR
- 5 Megapixel colour/mono camera
- Built-in infra-red LEDs up to 30 metres



An Avigilon 5 Megapixel bullet camera connected to an integral lens, within a vandal-resistant housing, will be fitted externally on the left wall of the library. The camera will be viewing the motorbike stand and the general view of the North Gardens.

- The camera will be fitted at a height of approximately 6 metres
- The camera needs to see objects clearly up to 107 metres
- The angle of view will be 80 degrees
- The scene width, from left to right, will be 180 metres
- The pixels-per-metre density, at 107 metres away, will therefore be 14p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## **CAMERA 28 TECHNICAL SPECIFICATION**

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 Lux minimum illumination in colour
- 0 Lux minimum illumination in mono (with IR)
- Zoom adaptive infra-red illumination while preventing IR saturation
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- EF lens mount
- Operating Temperature of -40 deg C to +50 deg C
- Operating Humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 22W maximum

CAMERA LENS

- The 5 Megapixel bullet camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 84 degree angle of coverage
- In order to see a horizontal view of 80 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre density of 14p/m, at a distance of 107 metres

## CAMERA 28 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing

- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The bullet camera already has an infra-red LED array connected to the camera
- This infra-red LED array will allow night time illumination up to 30 metres from the camera
- The zoom adaptive IR LEDs provides the most effective illumination in all zoom positions
- The content adaptive IR LEDs prevents image saturation while maintaining optimum scene illumination

- The camera and housing will be fitted on the wall outside of the library, overlooking the motorbike parking area
- The height of the camera is approximately 6 metres
- The cable route will follow the existing cable route to the ground, where it will then enter the nearest duct a few metres away. The cable will need to be buried under the soft soil and grass up to the point where it enters the duct



**CAMERA 28 LOCATION**

- The camera is required to view images up to 107 metres away
- The angle of view is 80 degrees
- The width of the scene is therefore 180 metres



**CAMERA 28 VIEW**

## Camera 29 – Looking at the Entrance to the Great Hall

- Avigilon 5.0-H3-BO1-IR camera
- 5 Megapixel colour/mono
- Built-in infra-red LEDs up to 30 metres



An Avigilon 5 Megapixel bullet camera connected to an integral lens, within a vandal-resistant housing, will be fitted externally on the building number 9. The camera will be viewing the steps to the Great Hall and general area.

- The camera will be fitted at a height of approximately 4 metres
- The camera needs to see objects clearly up to 60 metres
- The angle of view will be 67 degrees
- The scene width, from left to right, will be 80 metres
- The pixels-per-metre density, at 60 metres away, will therefore be 32p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## **CAMERA 29 TECHNICAL SPECIFICATION**

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 Lux minimum illumination in colour
- 0 Lux minimum illumination in mono (with IR)
- Zoom adaptive infra-red illumination while preventing IR saturation
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- EF lens mount
- Operating Temperature of -40 deg C to +50 deg C
- Operating Humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 22W maximum



CAMERA LENS

- The 5 Megapixel bullet camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 84 degree angle of coverage
- In order to see a horizontal view of 67 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre density of 32p/m, at a distance of 60 metres

CAMERA 29 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing
- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

INFRA-RED LIGHT ILLUMINATION

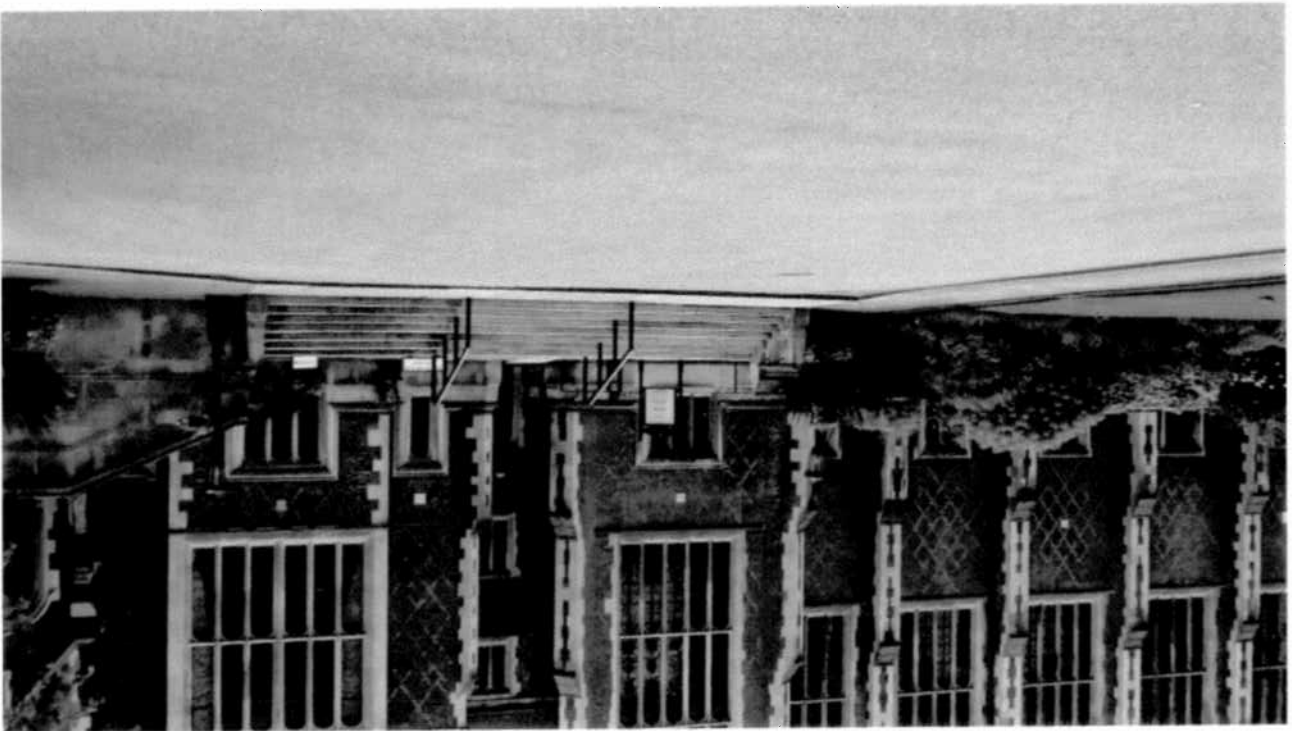
- The bullet camera already has an infra-red LED array connected to the camera
- This infra-red LED array will allow night time illumination up to 30 metres from the camera
- The zoom adaptive IR LEDs provides the most effective illumination in all zoom positions
- The content adaptive IR LEDs prevents image saturation while maintaining optimum scene illumination

- The camera and housing will be fitted on the wall on block 9
- The height of the camera is approximately 4 metres
- The cable route will be cabled through the building to the ground, where it will then enter the nearest duct a few metres away. The cable will need to be buried under the soft soil and grass up to the point where it enters the duct



CAMERA 29 LOCATION

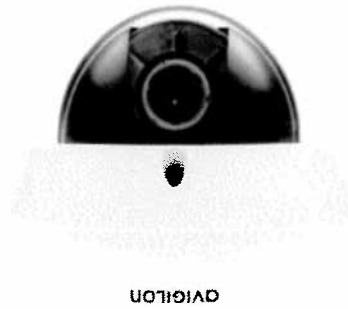
- The camera is required to view images up to 60 metres away
- The angle of view is 67 degrees
- The width of the scene is therefore 80 metres



CAMERA 29 VIEW

## **Camera 30 – Entrance to the Old Hall**

- Avigilon 5.0-H3-D1-IR
- 5 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 5 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted internally on the rear right hand corner of the wall of the Old Hall entrance hall. The camera will be viewing the entrance to the Old Hall towards the library, and the general area.

- The camera will be fitted at a height of approximately 4 metres
- The camera needs to see objects clearly up to 10 metres
- The angle of view will be 80 degrees
- The scene width, from left to right, will be 18 metre
- The pixels-per-metre, at 10 metres away, will therefore be 144p/m
- The camera housing will be left white as supplied by the manufacturer

## CAMERA 30 TECHNICAL SPECIFICATION

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 lux minimum illumination in colour
- 0.03 lux minimum illumination in mono
- Motion detection
- 3 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 5 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 90 degree angle of coverage
- In order to see a horizontal view of 80 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre of 144p/m, at a distance of 10 metres

## CAMERA 30 HOUSING

- No housing will be needed as the dome camera is already enclosed in a vandal resistant, IP67 weather resistant housing
- The camera housing will be left white as supplied by the manufacturer

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera



- The dome camera will be fitted on the rear corner wall of the Old Hall reception area replacing the existing camera
- The height of the camera is approximately 4 metres
- The cable route will follow the existing cable route



**CAMERA 30 LOCATION**

- The camera is required to view images up to 10 metres away
- The angle of view is 80 degrees
- The width of the scene is therefore 18 metres



CAMERA 30 VIEW

# Camera 31 – Looking at the Silver Cabinet

- Avigilon 5.0-H3-D1-IR
- 5 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 5 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted internally on the middle rear wall of the Old Hall entrance hall. The camera will be viewing the silver cabinet in the reception area of the Old Hall towards the library.

- The camera will be fitted at a height of approximately 4 metres
- The camera needs to see objects clearly up to 10 metres
- The angle of view will be 80 degrees
- The scene width, from left to right, will be 18 metres
- The pixels-per-metre, at 10 metres away, will therefore be 144p/m
- The camera housing will be left white as supplied by the manufacturer

## **CAMERA 31 TECHNICAL SPECIFICATION**

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 lux minimum illumination in colour
- 0.03 lux minimum illumination in mono
- Motion detection
- 3 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 5 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 90 degree angle of coverage
- In order to see a horizontal view of 80 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre of 144p/m, at a distance of 10 metres

## CAMERA 3I HOUSING

- No housing will be needed as the dome camera is already enclosed in a vandal resistant, IP67 weather resistant housing
- The camera housing will be left white as supplied by the manufacturer

## INFRA-RED LIGHT ILLUMINATION

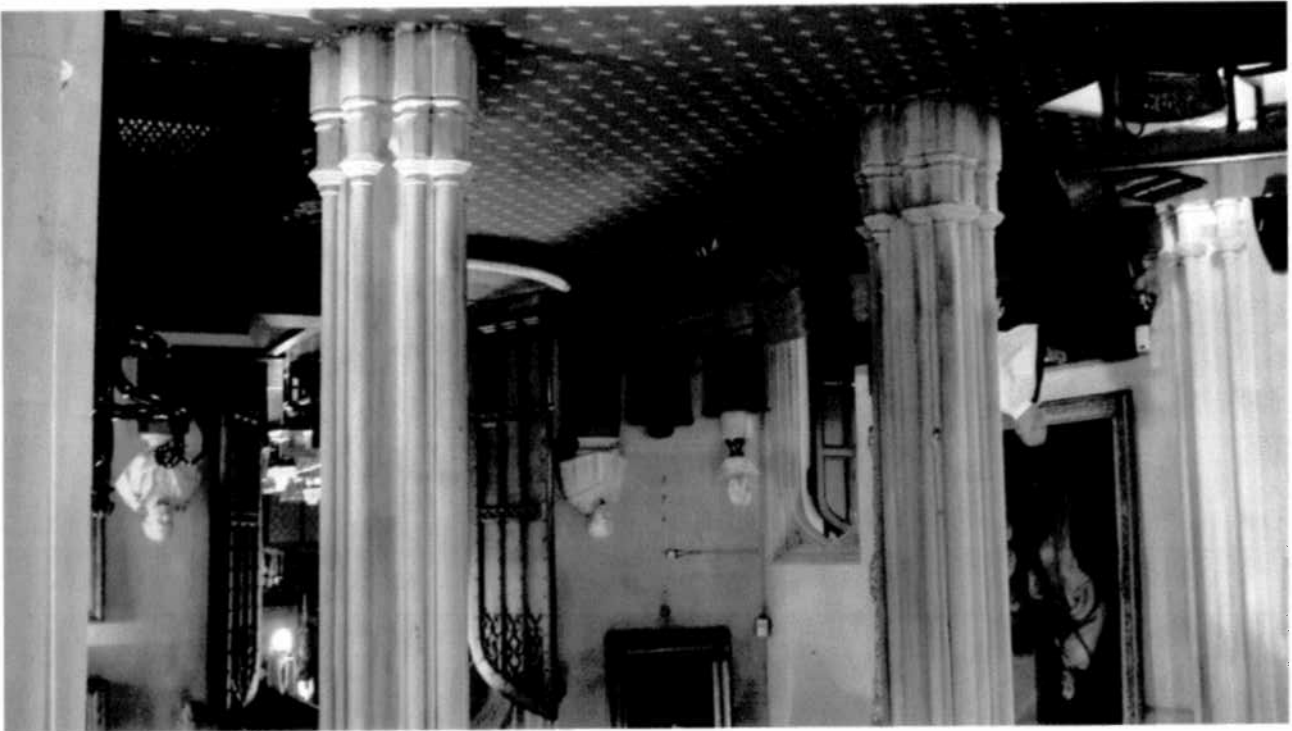
- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

- The dome camera will be fitted in the middle of the rear wall of the Old Hall reception, replacing the existing camera
- The height of the camera is approximately 4 metres
- The cable route will follow the existing cable route to the ground



CAMERA 31 LOCATION

- The camera is required to view images up to 10 metres away
- The angle of view is 80 degrees
- The width of the scene is therefore 18 metres



CAMERA 31 VIEW



# Camera 32 – LHS of Library Looking at

## Table

- Avigilon 3.0-H3-D1-IR
- 3 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 3 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted internally within the left hand side of the library. The camera will be viewing the left hand side table in the library.

- The camera will be fitted at a height of approximately 2.5 metres
- The camera needs to see objects clearly up to 4 metres
- The angle of view will be 81 degrees
- The scene width, from left to right, will be 8 metres
- The pixels-per-metre, at 4 metres away, will therefore be 256p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## CAMERA 32 TECHNICAL SPECIFICATION

The Avigilon camera has:

- 3 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3 inch progressive scan CMOS image sensor
- 20 images per second image rate at full resolution
- Active pixels 2048 (H) x 1536 (V)
- 100dB dynamic range
- 0.2 lux minimum illumination in colour
- 0.02 lux minimum illumination in mono
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 3 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 35 degree to 98 degree angle of coverage
- In order to see a horizontal view of 81 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre of 256p/m, at a distance of 4 metres

## CAMERA 32 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing
- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

- The dome camera will be fitted on the front left hand corner of the pillar above the left hand table in the library, replacing the existing camera
- The height of the camera is approximately 4 metres
- The cable route will follow the existing cable route



CAMERA 32 LOCATION

- The camera is required to view images up to 4 metres away
- The angle of view is 81 degrees
- The width of the scene is therefore 8 metres



CAMERA 32 VIEW

## **Camera 33 – Library Entrance**

- Avigilon 8.0MP-HD-DOME-180
- 8 Megapixel colour dome camera
- Pre-focused lens



An Avigilon dome camera, with 4 pre-focused 2MP cameras for a total of 8 Megapixel, within a vandal-resistant housing, will be fitted internally on the middle pillar of the library wall above the library reception desk. The camera will be viewing the library door, and general area.

- The camera will be fitted at a height of approximately 2 metres
- The camera needs to see objects clearly up to 10 metres
- The angle of view will be 180 degrees
- The scene width, from left to right, will be 50 metres
- The pixels-per-metre, at 50 metres away, will therefore be 192p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## CAMERA 33 TECHNICAL SPECIFICATION

The Avigilon camera has:

- Four 2 Megapixel cameras in one unit, giving a total of 8 Megapixels
- JPEG2000 compression
- Four 1/4 inch progressive scan CMOS image sensor
- 7 images per second image rate at full resolution
- Active pixels 1600 (H) x 1200 (V) per sensor
- 70dB dynamic range
- 0.6 lux minimum illumination in colour
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- 180 degree angle of coverage
- f/2.0 lens
- Operating temperature of -10 deg C to +50 deg C internal
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 9W maximum



## CAMERA LENS

- The 8 Megapixel 180 degree dome camera has a pre-focused lens, allowing for easy installation

## CAMERA 33 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing

- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will not come with pre-fitted infra-red LED illumination

- The dome camera will be fitted internally on the middle pillar of the library wall above the library reception desk
- The height of the camera is approximately 4 metres
- The cable route will follow the existing cable route



CAMERA 33 LOCATION

- The camera is required to view images up to 4 metres away
- The angle of view is 180 degrees
- The width of the scene is therefore 4 metres



CAMERA 33 VIEW

## **Camera 34 – Lower Ground Treasury Office**

- Avigilon 3.0-H3-D1-IR
- 3 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 3 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted internally on the middle pillar in the lower ground treasury office. The camera will be viewing the main treasury entrance door, and general area.

- The camera will be fitted at a height of approximately 2 metres
- The camera needs to see objects clearly up to 5 metres
- The angle of view will be 41 degrees
- The scene width, from left to right, will be 4 metres
- The pixels-per-metre, at 5 metres away, will therefore be 512p/m
- The camera housing will be professionally spray-painted black to match the surrounding features

## **CAMERA 34 TECHNICAL SPECIFICATION**

The Avigilon camera has:

- 3 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3 inch progressive scan CMOS image sensor
- 20 images per second image rate at full resolution
- Active pixels 2048 (H) x 1536 (V)
- 100dB dynamic range
- 0.2 lux minimum illumination in colour
- 0.02 lux minimum illumination in mono
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 3 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 35 degree to 98 degree angle of coverage
- In order to see a horizontal view of 41 degrees, the lens will be set to an angle of 6mm. This will achieve a projected pixels-per-metre of 512p/m, at a distance of 5 metres

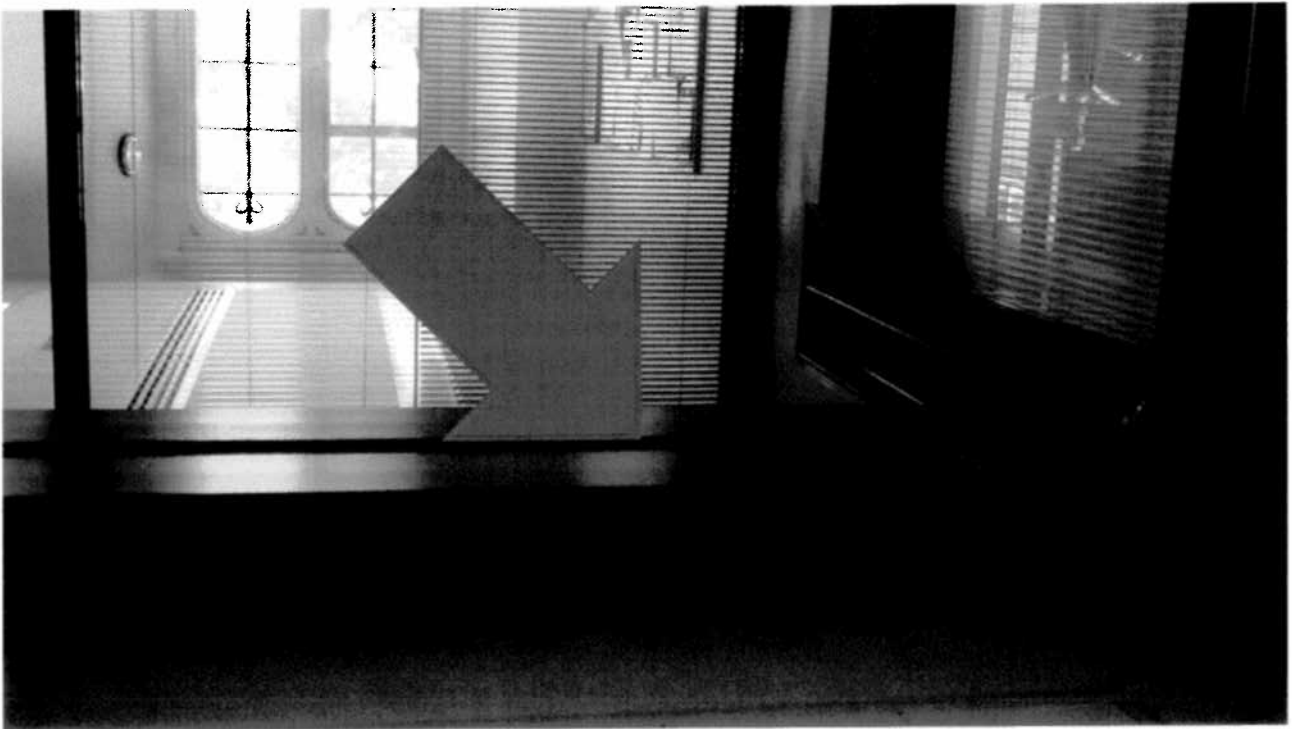
## CAMERA 34 HOUSING

- No external enclosure will be needed as the camera is already enclosed in a vandal resistant, IP66 weather resistant housing
- The camera will be sent to a third party company who will use the very latest in air drying techniques to achieve a robust and durable high quality paint finish on the housing. All of the housing parts including pedestal and wall brackets will be painted, guaranteeing a lasting finish for many years

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

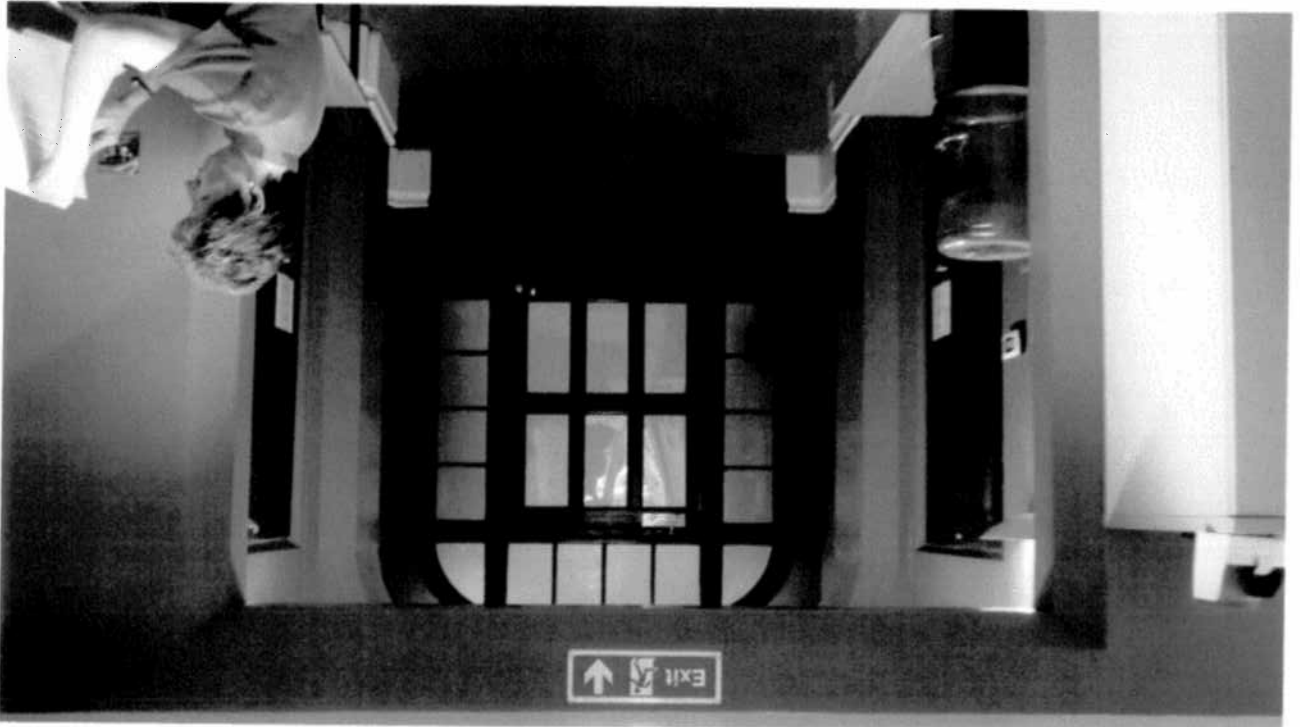
- The dome camera will be fitted on the middle pillar in the lower ground office reception
- The height of the camera is approximately 2 metres
- The cable route will follow the existing CCTV camera cable



CAMERA 34 LOCATION



## CAMERA 34 VIEW



- The camera is required to view images up to 5 metres away
- The angle of view is 41 degrees
- The width of the scene is therefore 4 metres

## **Camera 35 – Main Reception Office**

- Avigilon 5.0-H3-D1-IR
- 5 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



**An Avigilon 5 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted internally on the rear left hand wall of the main reception office. The camera will be viewing the entry door, and general area.**

- The camera will be fitted at a height of approximately 2.5 metres
- The camera needs to see objects clearly up to 10 metres
- The angle of view will be 83 degrees
- The scene width, from left to right, will be 18 metres
- The pixels-per-metre, at 10 metres away, will therefore be 144p/m
- The camera housing will be left white as supplied by the manufacturer

## **CAMERA 35 TECHNICAL SPECIFICATION**

The Avigilon camera has:

- 5 megapixel colour/mono camera with IR
- H.264 and MJPEG compression
- 1/3.2 inch progressive scan CMOS image sensor
- 13 images per second image rate at full resolution
- Active pixels 2592 (H) x 1944 (V)
- 69dB dynamic range
- 0.3 lux minimum illumination in colour
- 0.03 lux minimum illumination in mono
- Motion detection
- 3 privacy zones
- 100Base-TX (RJ-45) network connection
- 3.9mm varifocal lens, providing a 28-84 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 5W maximum

## CAMERA LENS

- The 5 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 28 degree to 90 degree angle of coverage
- In order to see a horizontal view of 83 degrees, the lens will be set to an angle of 3mm. This will achieve a projected pixels-per-metre of 144p/m, at a distance of 10 metres

## CAMERA 35 HOUSING

- No housing will be needed as the dome camera is already enclosed in a vandal resistant, IP67 weather resistant housing
- The camera housing will be left white as supplied by the manufacturer

## INFRA-RED LIGHT ILLUMINATION

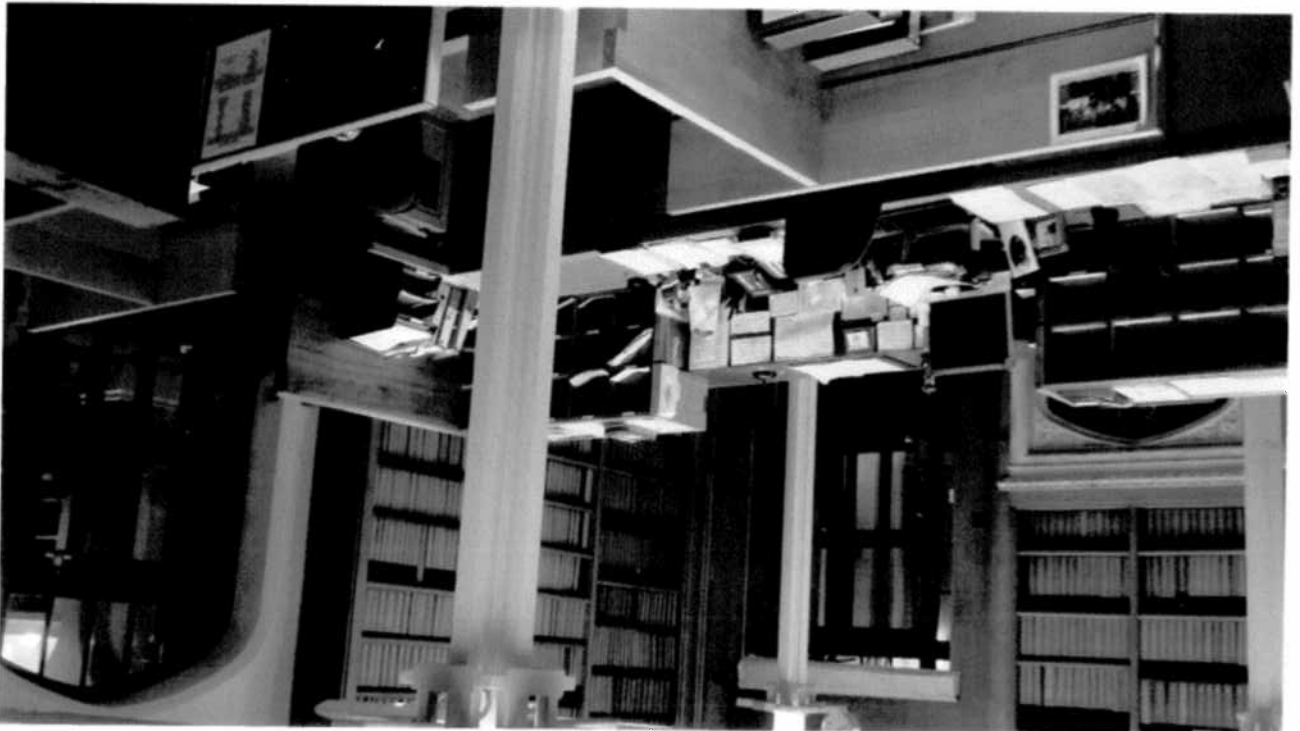
- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

- The dome camera will be fitted internally on the rear left corner of the ground floor main reception office
- The height of the camera is approximately 2.5 metres
- The cable route will drop down to the lower ground plant room area



## CAMERA 35 LOCATION

- The camera is required to view images up to 10 metres away
- The angle of view is 80 degrees
- The width of the scene is therefore 18 metres



CAMERA 35 VIEW

## **Camera 36 – Post Room**

- Avigilon 1.0-H3-D1-IR
- 1 Megapixel colour/mono dome camera
- Infra-red illumination
- Built-in varifocal lens



An Avigilon 1 Megapixel dome camera connected to an integrated varifocal lens, within a vandal-resistant housing, will be fitted internally on the rear right hand side of the post room. The camera will be viewing the post room entrance door, and general area.

- The camera will be fitted at a height of approximately 2 metres
- The camera needs to see objects clearly up to 3 metres
- The angle of view will be 45 degrees
- The scene width, from left to right, will be 3 metres
- The pixels-per-metre, at 5 metres away, will therefore be 427p/m
- The camera housing will be left white as supplied by the manufacturer



## CAMERA 36 TECHNICAL SPECIFICATION

The Avigilon camera has:

- 1 megapixel colour mono camera with IR
- H.264 and MJPEG compression
- 1/2.7 inch progressive scan CMOS image sensor
- 30 images per second image rate at full resolution
- Active pixels 1280 (H) x 720 (V)
- 69dB dynamic range
- 0.2 lux minimum illumination in colour
- 0.2 lux minimum illumination in mono
- Motion detection
- 4 privacy zones
- 100Base-TX (RJ-45) network connection
- 3-9mm varifocal lens, providing a 35-98 degree angle of coverage
- f/1.2 lens
- Operating temperature of -30 deg C to +50 deg C
- Operating humidity of 20% to 80% RH
- Power supply of 24V AC / 12V DC or PoE
- Power consumption of 10W maximum

## CAMERA LENS

- The 1 Megapixel dome camera has an integrated varifocal lens, allowing for remote focus and zoom
- It has a 3mm to 9mm adjustable lens, providing a 35 degree to 98 degree angle of coverage
- In order to see a horizontal view of 45 degrees, the lens will be set to an angle of 7mm. This will achieve a projected pixels-per-metre of 427p/m, at a distance of 3 metres

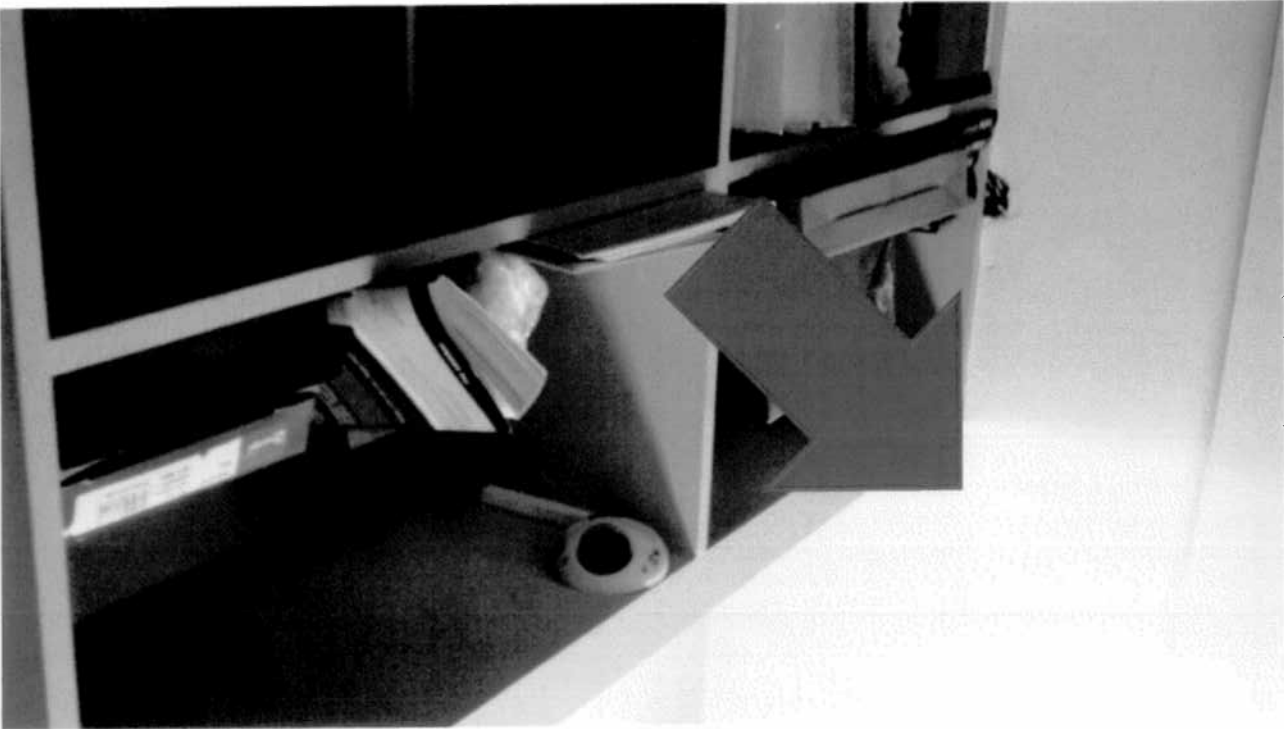
## CAMERA 36 HOUSING

- No housing will be needed as the dome camera is already enclosed in a vandal resistant, IP67 weather resistant housing
- The camera housing will be left white as supplied by the manufacturer

## INFRA-RED LIGHT ILLUMINATION

- The dome camera will have an optional infra-red LED array connected to it
- This infra-red LED array will allow night time illumination up to 15 metres from the camera

- The dome camera will be fitted on the rear right of the wall in the post room
- The height of the camera is approximately 2 metres
- The cable route will follow the existing CCTV camera cable



**CAMERA 36 LOCATION**