CCTV Design using Viseum Optical Panoramic Security Cameras

1.88km² of perimeter and circulation CCTV surveillance

SECURITY CONTROL ROOM

OUTDOOR CAR PARK

ROAD ENTRANCE AND EXITS

OFFICES AND INTERNAL STORAGE

OUTDOOR STORAGE

INTRUDER 1

1.12 km

1.68 km

INTRUDER 2
Internal Building CCTV Security

The largest areas using the least number of cameras.

**KEY**

Viseum IMC:
- Camera detection
- Situation awareness

Viseum Virtual IMC:
- Camera detection
- Situation awareness

Viseum 360° IMC

Dimensions:
- 320 m
- 360 m

Locations:
- Loading Bay
- Missing Package
- Alarm

Viseum 360° IMC
FULLY AUTOMATED CCTV SECURITY AND SURVEILLANCE

Viseum’s commercial 360° Optical IMC model - Please see your Viseum Representative for Military Optical and Thermal Viseum IMC models.

Viseum Intelligent Moving Camera (Viseum IMC)

HD Viseum AiPTZ (Auto-Intelligent PTZ Camera)

Intelligent Video Analytics - Event Confirmation and Close-Up Evidence.

Intelligent Video Analytics - Event Detection and Wide Contextual View Evidence.

Suspect

Out to 400 m monitoring range for situational awareness.
Out to 320 m automated detection, confirmation and following of people.
Out to 200 m automated detection, confirmation and following of people, in zero light.
Out to 100 m automated face recognition.
Out to 300 m automated number plate recognition.
(Longer distances are customised during project delivery.)

Detection Video Analytics

Response Video Analytics - Event Confirmation

IP Communication

iVOS Camera Controller
Installed locally or at command control.

Intelligent Moving Camera (IMC) Technology

Day/Night Ultra Low Light CMOS Camera Sensors

Largest effective CCTV coverage up to 4 Olympic Stadiums.
At least 25 times more court quality evidence.
Optional recordings - primary or distributed backup storage.
Modular with 1 to 6 Wide Contextual View Cameras.

Reaction Video Analytics - Event Confirmation
Viseum IMC Camera Connections

3 Main Deployment Options:

- Permanent Deployment CCTV
- Temporary/Redeployable CCTV
- Rapid Deployment CCTV

Optional Plug-and-Play Analogue Integration

Standard video coax

PTZ camera data RS485/422

Multicore cable

PTZ only or all cameras multiplexed

standard coax or fibre optics

PTZ camera data RS485/422

2 or 4 wire

10baseT

iVOS Camera Controller

Digital IP Communication Options

Viseum IMC Intelligent VMS

Viseum Central Intelligent VMS

Digital integration into many 3rd party legacy security systems.

CCTV operator can override automation by default or control can be programmable.
Viseum Intelligent Virtual Operator Software (iVOS)

Emergency and Routine Threat Management

Dedicated virtual CCTV operators constantly monitoring each CCTV camera for specific surveillance requirements 24/7/365. Automated visual verification for access control systems, following and reporting live incidents and alarms of vehicles and people, that can be automatically checked against a red, black and green list. Then handing over this information to security staff for the most effective response.

Advanced Viseum iVOS - CCTV Monitoring Intelligent Video Analytics

Situational Awareness    -    Scheduled surveillance profiles for scenario and event behaviour analytics.
Suspect pursuit (F3 Tag and Track)    -    Person identification & re-identification for real-time emergency's and post incident investigation.
Person ID check (Face Recognition)    -    Intelligent CCTV & people's faces the world's greatest security weapon against crime and terrorism.
Vehicle ID checks (ANPR)    -    Prevent unauthorised vehicles from entering or leaving the area.

> Download Presentation Viseum Software Capabilities <

The Viseum iVOS Intelligent Video Analytics software operates inside each Viseum camera and/or at the command control inside the Viseum Central intelligent Video Management Software System. The Viseum CiVMS is the world's only all-in-one intuitively setup and operated video management software system. It harmonises all hardware security assets and software processes, including Viseum iVOS advanced central analytics, PSIM command control, optimised and scalable NVR/DVR, virtual matrix, and client work station software includes all Smart communication devices.
Viseum 360° Virtual IMC - Fisheye CCTV Camera

Easily positioned to cover required areas.

Subject to available ambient light

360° fisheye IP camera

IP connectivity

Viseum Central Intelligent Video Management System

Completely automated enterprise security

IP communication options

Viseum Virtual Intelligent Moving Camera (IMC) technology

Automated event classification and close-up evidence

Intelligent Video Analytics and recorded contextual view evidence

Suspect

Up to 56 m monitoring range for situation awareness

Up to 5.7 m recognition evidence

Up to 2.3 m identification evidence

Up to 9,850 m² of effective all-round coverage

Easily positioned to cover required areas.
Options for Digital IP Communication

Manage first responders with greater effect, with the freedom of secure IP.
Central Intelligent Video Management Software (Viseum CiVMS)

Manage any number of remote sites, with any number of cameras and security devices.

completely automated enterprise security
Viseum IMC Camera Video Management System

Manage any number of Viseum IMC camera installations.

CLICK TO DOWNLOAD DATASHEET
**Viseum 180° Infrared Illumination Module**

For areas of extreme low light

- Up to 62,831 m² of effective all-round coverage
- Maximum distance 300m (50° beam)

- Highest quality 180° IR beam.
- No light pollution.
- 10 years field life.
- Damage resistant polycarbonate glass.
- IP66 weather proof rated.

Optional wireless battery powered LED lighting
Example Fixed Directional HD Cameras

Viseum develops some high end Fixed Directional HD cameras for specialist uses; however this type of camera and legacy system PTZ cameras are generally commodity security items and are to be professionally selected and sited by Viseum Certified Integrators. The Viseum CiVMS is also compatible with, and designed to optimise, all other major brands of legacy security cameras, all video sources compliant with ONVIF specifications, and all cameras that use the RTSP IP stream. Please see list of Viseum Certified camera brands already integrated into the Viseum CiVMS.

Caution – The optical capability and performance of all other cameras rely on ideal lighting conditions and short distances in comparison to the Viseum IMC camera. Fixed directional cameras are suitable where high numbers of vehicles and people move through a narrow area of a city.
Any non-Viseum branded IMC system will be noticeably inferior and an illegal copy in breach of International Law.

Viseum IMC’s have been granted 20 years’ patent protection. Any non-Viseum branded IMC system will be noticeably inferior and an illegal copy in breach of International Law.