World’s best CCTV Security and Surveillance

Automated remote detection and following of incidents

Industry-standard remote site deterrent

More coverage from fewer cameras

Intelligent CCTV

www.viseum.co.uk

FOR THE HIGHEST LEVELS OF CCTV SURVEILLANCE
“The only better deterrent is having resident police constantly on alert.”
(Metropolitan Police)
The Viseum IMC™ (Intelligent Moving Camera)

The only Intelligent CCTV camera in the world to automatically detect multiple attacks from 1 metre to 320 metres in all directions at the same time. Automatically control a PTZ camera to zoom into and automatically confirm the incident. Follow the required action. Capture high-quality close-up evidence of the intruders(s), even before the alarm is sent. And then automatically report it for rapid response.

At the heart of our Intelligent CCTV solutions is the patented Viseum IMC. It uses multiple fixed and one moving PTZ surveillance camera in a single unit, with advanced software called Viseum iVOS (Intelligent Virtual Operator Software) to detect, zoom into and follow all suspects no matter where they each break into, circulate, or leave the remote site. It is modular hardware configured to cover from a targeted area, up to a larger simultaneous full 360° panoramic coverage, up to the size of 4 Olympic Stadiums from just one camera installation.

Best value CCTV camera for critical infrastructures

It has been independently endorsed that it would take 6 times more installations of any constantly constantly operated PTZ cameras. Or 10 of the industry’s latest panoramic megapixel cameras. Or 200 standard fixed camera installations, to provide the level of CCTV security that each Viseum IMC provides without being dependent on any surveillance operators, or CCTV monitoring infrastructures.

Long-Term Deterrent for Critical Infrastructures

The criminal is always deterred where CCTV cameras perform manned. When they see Viseum’s overt camera model follow them, they believe a proactive human operator has already spotted them. This is well proven to deter the threat of breaching the security, better than any other crime reduction initiative short of having resident security staff constantly on alert.
Any non-Viseum branded IMC system will be noticeably inferior and an illegal copy in breach of international law.

Viseum IMCs have been granted 20 years’ patent protection.

Fully Automated High Security and Surveillance

Auto early warning detection system. No physical perimeter breach for alarms. THREE levels of automated threat detection and confirmation. The world’s only multiview and multitasking surveillance camera system. Automatically protect areas up to the size of New York City in complete darkness and all weather conditions.

Popular models from 2 km up to:
- 40 km 360° radar detection and following of targets.
- 43 & 78 km 360° thermal heat source detection and following of targets.
- 43 km 360° optical confirmation and following each incident.

MILITARY GRADE SECURITY AND SURVEILLANCE

“Outstanding performance” (Senior Officer RAF)

LONGEST RANGE SOLID STATE PULSE AiRadar™
LAND AND SEA RADAR SURVEILLANCE SYSTEM

Various models of ruggedized IP rated weather proofing IP66 to IP68 and operating temperatures -40 to +65°C.

Superior Thermal Imagers

Outperforms all competition in all like-for-like field and bench tests:
- Longer range with greater image quality.
- Full frame rate sensors for greater quality.
- Product longevity with extended 4 year warranty.

Optional Fully Marinised Anti-Corrosion. Grade 316 Stainless Steel.

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Technical Specifications

360° Pulse Radar:
- Automatically reports activity within 2,000 km². Includes GPS locations, speed, size and bearing of all targets in range.
- Operates in all weathers and ambient light conditions including extreme fog and complete darkness.
- Priority for areas (zones) for automatic threat detection and optimizing first responders.

360° Uncooled Thermal:
- Up to 1080p full HD self-healing uncooled thermal imager.
- VOx 12μm uncooled sensor displays temperature changes of ±0.05°C for accurate tracking of targets at extreme ranges.
- 9x Auto-Zoom Lens for automated high quality situational awareness. Optional wide and narrow dual lens for longer range.

360° Optical:
- 1920 x 1080 resolution (2 MP) 1/2.8" progressive scan HD camera sensor.
- 135x Long-Range Zoom Lens - IR-corrected fluorite ELD low dispersion glass rapid auto focus.
- Automatic and manual day/night switching.
- 5.5 km Zero Light Performance - Viseum laser diode technology manipulates IR intensity for long range in complete darkness.

Deployments:
- Optimized low power and secure wireless communications for mobile perimeter and remote outpost installations.

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The best critical infrastructure situational awareness

Operating completely independently of the command control, the Viseum IMC provides full visibility and control of the entire area under protection, and it does not need to rely on any surveillance infrastructure in order to proactively detect and capture intruders.

This intelligent automation, operating with advanced remote monitoring technologies results in the best of both worlds, where intelligent automation interplays with human vigilance. This new partnership optimizes the key human element of security by not depending on it to detect and capture intruders, and index evidence of the breach. This means that operators can have more time to react in making the key decisions for responding.

Greater quantity and quality of CCTV camera recordings

The Viseum PTZ camera is trained to point itself to zoom into and follow events of interest. Also, Viseum’s wide contextual view camera recordings are valuable during live incidents and investigations. Images from these cameras matched with the PTZ’s close-up recordings show what else is happening in the whole area and who else is witnessing the incident.

As well as the PTZ cameras images typically being recorded centrally, its images and all Viseum’s wide contextual view cameras are stored locally. And of greater quality than can be transmitted over a typical wireless network. This makes them invaluable for primary evidential use or for distributed backup storage. This provides resilience against loss of evidence by removing any single point of failure.

Critical infrastructure digital integration to Command Control

Digital integration of the Viseum IMC eliminates the need for any operator training on the basic use of Viseum cameras and it’s local NVR. Delivering a higher level of CCTV service with fewer CCTV operators, images from the moving PTZ camera and all or any one of Viseum’s wide contextual camera views, can be displayed on the control room video wall and/or spot monitors, only when relevant activity occurs at the camera installation.

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THE BEST CCTV SURVEILLANCE SERVICE

The most advanced CCTV camera in the world working hand-in-hand with leading CCTV remote monitoring services, produce the fastest and most accurate complete end-to-end CCTV security service. Viseum’s intelligent camera provides constantly vigilant surveillance for the remote protected site 24/7/365. It uniquely produces close-up video of the incident even before the initial alarm is sent to the remote monitoring service. This means that the incident can be reported in sufficient detail for it to be dealt with in the most rapid and efficient way possible.

Crime Clear Up

Once the security breach is confirmed and the response alarm is raised by the CCTV remote monitoring service, the relevant local authorities may not only be given information that somebody has entered the area, but can also be shown a detailed description of the person(s) committing the security breach, the theft and/or criminal damage, where they can be immediately located, where else they have been on the site and what they have been doing.

If the suspect is apprehended during the incident they can be presented with such detailed forensic video information of their particular clothing and any noticeable clothing brand logos. Even if they are wearing a hood or any type of facial mask, this level of detailed evidence is proven to persuade the suspect to own up to the offence. Likewise if the suspect escapes, this detailed video evidence is proven to help authorities recognize and even identify the suspect.

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