![Viseum logo] Intelligent camera and video ®
viseum
Surveillance monitoring experts

Viseum CCTV Accreditation

Technical Training Programme Benefits

This training programme is for the Viseum Central Intelligent Video Management Software (Viseum CiVMS) using Viseum cameras and all other non-Viseum branded cameras, with the Viseum iVOS analytics software operating centrally at the Command Control Centre. This course takes 5 working days with each level taking 1 day to complete.

Viseum CiVMS and iVOS Level 1:	End User Operational Training
Viseum CiVMS and iVOS Level 2:	Systems Administrator
Viseum CiVMS and iVOS Level 3:	Installation and Maintenance
Viseum CiVMS and iVOS Level 4:	Commissioning Expert
Viseum CiVMS and iVOS Level 5:	Viseum Certified Corporate Distributor

The following training packages are available following this 5 days training course:

Viseum iVOS FaceRec – Automated Person ID Recognition and Confirmation.
Viseum iVOS ANPR – Automated Vehicle Number Plate Recognition.
Viseum iVOS F3 – Automated Person Find, Fix and Follow (early prototypes known as 'tag and track').

The large number of security and surveillance uses of Viseum's iVOS F3 functionality, operating with iVOS FaceRec and/or iVOS ANPR, make it impractical to provide a full training package for each application. These training packages are therefore customised for each specific end user's security project requirements, and technical support manuals are customised to suit each partner's technical knowledge and desired capabilities.

Viseum CiVMS and iVOS Level 1: End User Operational Training

This module is designed to enable professional CCTV security staff to fully exploit the spectrum of unique capabilities that Viseum CiVMS and iVOS software capabilities offer as the automated solution to each remote site's security issues, whilst freeing up the monitoring staff for other tasks. This will enable the user to swiftly optimize situational awareness and security within any given single or multiple areas of responsibility for the entire camera network.

Start state:

- A fair knowledge of CCTV operations, or working knowledge of the security challenges within their area of responsibility.

Aim:

- To use the entire network of cameras in order to generate situational awareness, heightened long-term security, surveillance and deterrence at each remote site.

Objectives:

By the end of this session students will be able to:

- Create automated site surveillance rules for risk management, suspect target allocation and prioritisation for each remote site.
- Operate Viseum cameras, and all other non-Viseum branded cameras, in their live proactive operational mode to deal with automatically detected security threats.
- Operate Viseum cameras, and all other non-Viseum branded cameras, in decision support of security patrols and first responders, with situational awareness and initiative in order to act either prior to, or subsequent to, an incident.
- Operate Viseum cameras, and all other non-Viseum branded cameras, in their passive standalone operational mode and deal with evidence recovery.

Viseum CiVMS and iVOS Level 2: Systems Administrator

This module allows the system administrator to fully exploit and optimize Viseum's unique CiVMS and iVOS software capabilities for any given security area of responsibility within their security hierarchy. It is designed to train a System Administrator to optimize the network design, configure and manage the Viseum CiVMS to manage all cameras in the network, and identify any remote sites that do not use Viseum cameras which would benefit from the centrally processed iVOS software analytics, in automated support of operator staff whilst meeting the multiple requirements and priorities.

Start state:

- Current knowledge in configuring and managing IT systems and conventional IP camera networks – experienced professional security staff and resources manager.

Aim:

- Manage the best practice implementation and use of the Viseum CiVMS and centrally processed iVOS system.

Objectives:

By the end of this session students will be able to:

- To understand and exploit the unique aspects of the Viseum CiVMS and centrally processed Viseum iVOS operating software.
- Designate appropriate automated monitoring mode for each remote site.
- Manage the overseeing of installation maintenance – 1st line fault diagnosis and reporting.

Typical examples of performance improvements:

1) This new automated surveillance capability significantly changes how much time each remote site requires proactive camera viewing attention, and how many remote sites will now benefit from reactive surveillance.
2) This new performance will show greater operational savings with improved key performance indicators.

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Viseum CiVMS and iVOS Level 3: Installation and Maintenance

The Viseum Installer is the corporate representative at the Viseum/Customer interface. It is crucial to the reputation of Viseum and its certified partners that this module leaves an experienced Installer with all the necessary attitude, skills and Viseum-specific knowledge to impress. The customer has invested in the best-of-breed security and surveillance system. The customer expects and deserves swift and fault-free security and situational awareness. The Installer has the 2 key roles of installation and maintenance in delivering this. It is imperative that his skills, demeanour and knowledge create a positive and lasting impression while he determines the customer's needs and installs the requisite Viseum CiVMS and centrally processed Viseum iVOS.

Start state:

- Qualified CCTV installer.

Aim:

- To understand the technical installation process for the Viseum CiVMS and centrally processed Viseum iVOS.

Objectives:

By the end of this session students will be able to:

- Install and maintain the Viseum CiVMS and centrally processed Viseum iVOS at the central control, in preparation for connection to the remote commissioning service.
- Conduct a site survey and QA testing of existing cabling and equipment for its suitability to support Viseum software.
- Execute the site maintenance process to produce rapid fault finding and repair for the client
- Conduct best practice use of the technical installation manual.

Viseum CiVMS and iVOS Level 4: Commissioning Expert

The final stage in the generation of unparalleled security and situational awareness is delivered during the commissioning process. This module is designed to ensure that correctly installed Viseum CiVMS and centrally processed Viseum iVOS is swiftly commissioned and brought into action. This module contains all the training necessary to expand a digital CCTV system professional's knowledge to encompass and exploit our unique capabilities.

Start state:

- Experienced and certified security professional with IP camera and digital systems expertise.

Aim:

- To swiftly and correctly commission the Viseum CiVMS and centrally processed Viseum iVOS system, to meet the requirements of administrators and security staff at any given remote site.

Objectives:

By the end of this session students will be able to:

- Fully understand all Viseum CiVMS and centrally processed Viseum iVOS software features and functionality.
- Translate the current security conditions and requirements of local staff, into meaningful and effective configuration of the Viseum system for each remote site.

Viseum CCTV Accreditation

Technical Training Programme Benefits

This training programme is for Viseum IMC camera models, using embedded Viseum intelligent Virtual Operator Software analytics (Viseum iVOS) operating locally to the camera installation. This course takes 5 working days with each level taking 1 day to complete.

Viseum IMC and iVOS Level 1:	**End User Operational Training**
Viseum IMC and iVOS Level 2:	**Systems Administrator**
Viseum IMC and iVOS Level 3:	**Remote Site Installation and Maintenance**
Viseum IMC and iVOS Level 4:	**Commissioning Expert**

Viseum IMC Cameras and iVOS Level 1:   End User Operational Training

This module is designed to enable professional CCTV security staff to fully exploit the spectrum of unique capabilities that Viseum cameras and iVOS software capability offer - to automatically address each remote site's security issues - whilst freeing up monitoring staff for other tasks. This will enable the user to swiftly optimise situational awareness and security within any given single or multiple areas of responsibility of the Viseum network.

Start state:

- A fair knowledge of CCTV operations, or working knowledge of the security challenges within their area of responsibility.

Aim:

- To use the Viseum cameras in order to automatically generate situational awareness, heightened long-term security, surveillance and deterrence at each remote site.

Objectives:

By the end of this session students will be able to:

- Create automated site surveillance rules for risk management, suspect target allocation and prioritization, for each remote site.
- Operate Viseum cameras in their live proactive operational mode to deal with automatically detected security threats.
- Operate Viseum cameras in decision support of security patrols and first responders, with situational awareness and initiative in order to act either prior to, or subsequent to, an offence.
- Operate Viseum cameras in their passive standalone operational mode and deal with evidence recovery.

A typical example of industry standard security process without the use of Viseum cameras:

1) A suspect breach to a perimeter, potentially causing criminal damage, is automatically detected by a PIDS device and automatically alarmed to the security control room.
2) A security operator first identifies the 'section' of the perimeter where the potential breach took place.
3) The security operator then spends valuable time:
    a. Locating and accessing the nearest PTZ Camera.
    b. Controlling this PTZ Camera to monitor the section of the perimeter in order to:
        i) Look around the area for the suspect.
        ii) Confirm if the incident should be dealt with further.

Heightened security and performance training with the use of Viseum cameras:

This training module will cover how all of these actions are processed automatically by the Viseum camera system, so that the security operator is fully primed with the complete Ground Truth for the correct immediate response.

Viseum IMC Cameras and iVOS Level 2:   Systems Administrator

This module allows the system administrator to fully exploit and optimise Viseum's unique camera and iVOS software capabilities within their security hierarchy. For any given security area of responsibility, the number of Viseum cameras required will always be far fewer and more widely dispersed than for any other system. In addition to this, due to the unrivalled capacity of the Viseum cameras, these cameras will be providing security and monitoring capability for numerous additional agencies. Therefore this module is designed to train a System Administrator to optimise the network design, configure and manage the Viseum cameras in automated support of operator staff whilst meeting the multiple requirements, and optionally prioritize access levels of the various additional stakeholders of each Viseum camera installation.

Start state:

- Current knowledge in configuring and managing IT systems and conventional IP camera networks – an experienced professional security staff and resources manager.

Aim:

- Manage the best practice implementation and use of Viseum cameras and iVOS system.

Objectives:

By the end of this session students will be able to:

- Understand and exploit the unique aspects of the Viseum camera and iVOS operating software.
- Design a Viseum camera network and designation of appropriate automated monitoring mode for each remote site.
- Manage the overseeing of installation maintenance – 1st line fault diagnosis and reporting.

Typical examples of network design improvements:

1) The Viseum camera is installed 'plug and play' without the need for the otherwise lengthy procurement and installation processes of standard technologies, requiring considerable camera and cabling infrastructures.
2) Because of the automated Viseum camera and iVOS operating locally to the camera installation, many remote sites will no longer require costly high bandwidth communications to the central control. This means for example; costly fibre connections can be replaced to benefit from lower bandwidth wireless 3G/4G connections.

Typical examples of performance improvements:

1) This new automated surveillance capability significantly changes how much time each remote site requires proactive camera control and viewing attention, and how many remote sites will now benefit from reactive surveillance.
2) This new performance will show greater operational savings with improved key performance indicators. **> download UK savings example <**

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Viseum IMC Cameras and iVOS Level 3: Remote Site Installation and Maintenance

The Viseum Installer is the corporate representative at the Viseum-Customer interface. It is crucial to the reputation of Viseum and its certified partners that this module leaves an experienced Installer with all the necessary attitude, skills and Viseum-specific knowledge to impress. The customer has invested in the best-of-breed security and surveillance system. The customer expects and deserves swift and fault-free security and situational awareness. The Installer has 2 key roles of installation and maintenance in delivering this. It is imperative that his skills, demeanour and knowledge create a positive and lasting impression while he determines the customer's needs and installs the requisite Viseum cameras.

Start state:

- Qualified CCTV installer.

Aim:

- To understand the technical installation process for the 3 deployment categories of all models of Viseum camera.

Objectives:

By the end of this session students will be able to:

- Install and maintain the Viseum camera system at the remote site in preparation for connection to the remote commissioning service.
- Conduct a site survey and QA testing of existing cabling and equipment for its suitability to support Viseum equipment.
- Execute the site maintenance process to produce rapid fault finding and repair for the customer.
- Conduct best practice use of field manuals below:

  Field Manuals:

  - Technical.
  - Deployment.
  - Risk assessment.
  - Health and Safety.

Viseum IMC Cameras and iVOS Level 4: Commissioning Expert

The final stage in the generation of unparalleled security and situational awareness is delivered during the commissioning process. This module is designed to ensure that correctly installed and aligned Viseum cameras and iVOS are swiftly commissioned, geospatially positioned and brought into action. This module contains all the training necessary to expand an IP CCTV professional's knowledge to encompass and exploit our unique capabilities.

Start state:

- Experienced and certified security professional with IP camera and digital systems expertise.

Aim:

- To swiftly and correctly commission a Viseum camera system to meet the requirements of administrators and security staff at any given remote site.

Objectives:

By the end of this session students will be able to:

- Fully understand all iVOS software features and functionality of the Viseum camera system.
- Translate the current security conditions and requirements of local staff, into meaningful and effective configuration of the Viseum system for each remote site.

> Viseum Technology and Support Strengths < This is a brochure presentation of our technical support and capabilities. It is very successful for Viseum sales training and provides our customers with confidence in our project support and delivery.

Legal Statement

We have invested heavily in the protection and policing of our intellectual property rights (IPR). Central to our business is the commercial protection we provide our partners in sharing these secured markets. We commit to the policing of this IPR in the following way: As with any infringement, its trade reseller is the primary target for legal action, which is, in turn, followed up by making the potential user aware of the infringing product's recall due to its illegal use. This is then followed up with full and complete legal action with the suppliers of such goods. This policy of proactive policing our markets in this way since 2002 has proven so successful that we have only ever identified one infringing party. A PLC entity was found to be trading with infringing goods and they can now no longer sell such goods, nor can they secure investment due to this breach.

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Patents Granted	European Patent **> EP 1 579 399 <**, United States of America **> US 7,952,608 B2 <**.
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