

Intelligence local to the camera installation

Any one of Viseum's CCTV DVR Camera Controllers, working with any configuration of Viseum's Intelligent PTZ Camera Array, is known as the Viseum Intelligent Moving Camera, or Viseum IMC.

Viseum's CCTV DVR Camera Controllers are modular configured to support the following unique requirements:

- Operate using Viseum Virtual CCTV Operator Assistant software to automatically monitor all activity in the entire area consistently 24/7/365 using 1 - 6 fixed contextual view cameras (depending on coverage required).
- Automatically control the PTZ camera to zoom into and follow the required action.
- Automatically alert relevant local authorities using any of today's digital communication methods (optional feature).
- Store 2 terabytes of digital video recording (DVR) for up to 30 days from 1 up to 7 different camera views of the same event(s).
- Produce Viseum's unique multiview evidence; play the fixed contextual view evidence from the whole area along with any close-up incident.
- Receive Viseum Remote Managed Support services to help manage all Viseum IMC installations easily and at the same time.



Providing ease of use with secure, cost effective, remote IP communications, Viseum's CCTV DVR Camera Controllers support the industry's leading analogue fixed and PTZ moving cameras to provide intelligently automated CCTV surveillance. This intelligence local to the camera not only significantly enhances any installation's effectiveness but digitises these cameras to benefit from secure IP communications freedom.

Customised specifically to run Viseum's Virtual CCTV Operator Assistant software, Viseum's range of CCTV DVR Camera Controllers were designed to provide the most robust solution for ease and flexibility of deployment for the Viseum IMC product range.

Industry Leading Processing Architecture

Using advanced Intel multi-core processing for 100% duty cycle and the latest ground breaking processing architecture, this powerful engine is optimised for industrial high use multi-tasking routines including multiple client communication, automatic capture, analysis and recording of video data from up to 8 analogue cameras, and seamless human interplay for Pan Tilt Zoom (PTZ) camera control.

Integrated Video Storage System

Viseum's CCTV DVR Camera Controllers video data is stored on a SATA based 24/7 100% duty cycle, low power hard disk drive with a capacity of 2 terabytes. Its disk throughput and memory bandwidth is built to sustain performance throughout the entire system.

It incorporates a "Park" functionality to separate the hard disk's heads for safe transportation and is fitted with comprehensive event logging to keep track of how the DVR system has been treated during deployment and operation.

Providing the highest available reliability rating for maximum resilience against loss of service, this local video storage provides either master recordings, if used as a standalone system, or back-up capability where remote control room storage is used.

The CCTV DVR Camera Controller Range

There are 3 main models of CCTV DVR Camera Controllers available to suit various environments applications and budgets.



Want to know more?

Contact us on +44 (0)1322 405724 or visit www.viseum.co.uk

Viseum IMCs have been granted 20 years patent protection

Any non-Viseum branded IMC system is either noticeably inferior or an illegal copy and in breach of International Law

European Patent 1579399, International Patent Pending: PCT/GB 03/04691, PCT/GB2006/001414 Canadian Patent Pending CA2505340

Standard CCTV DVR Camera Controller

There is an 8 channel and 4 channel version of this unit. Each is powered from an external 12VDC power supply, has 2 x serial communication ports (for PTZ control and control room integration), 1 x LAN or WAN industrial firewalled Ethernet port, operates with temperature of 0-40°C (higher temperature versions available on request), weighs 3.5 KG.

2 Terabytes DVR



Ultra CCTV DVR Camera Controller

There is an 8 channel and 4 channel version of this unit, each using an Intel Quad Core Processor for higher processing applications, providing up to 30 days video evidence storage capacity.

Inputs/Outputs

- 2 x RS485/422 ports - PTZ camera control and central monitoring station integration with manual keyboard override
- 4 or 8 camera input models - PAL, 100 FPS total, resolution up to 640x480 or 768x576
- 2 x LAN or WAN industrial firewalled Ethernet ports

Physical:

- **Dimensions** - Height 440.2mm x Width 221.3mm x Depth 110.6mm.
- **Weight** - 6 Kg
- **Power Supply** - 110-240V AC @ 50/60Hz Mains
- **Operating Temperature** - 5°C to 55°C (higher temperature versions available on request).

2 Terabytes DVR



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Redeployable CCTV DVR Camera Controller

Local & Remote IP Communications - options

- 3g and 4G Communications Wireless TCP/IP WAN cellular router/gateway (dependant on network availability) and VPN appliance providing secure high-speed wireless remote connectivity (major UK police force approved).
- 2 x Hardwired Ethernet ports.
- Optional Communications
 - Wireless 802.11a/b or g.
 - Satellite 2.4 Kbps uploads
 - ORBCOMM connectivity
 - Telescopic antenna with magnetic mount



2 Terabytes DVR

Environmental Enclosure

Aluminium. IP54 rated with efficient fan assisted airflow/heat dissipation management. Thermostat controlled internal temperature regulation to allow operation within +55C and -10C ambient temperature. In high temperatures fan assisted airflow dissipates heat through a filtered exhaust vent, in low temperatures the fan system is switched off and the enclosure is self heated.

- **Video Storage** - 1 Terabyte suitable for 30 days.
- **Dimensions** - Height 344 mm x Width 250 mm x Depth 151 mm (excluding cables and fan protrusion)
- **Weight** - 4.8 Kg.
- **Operating Temperature** - 5°C to 40°C (higher temperature versions available on request).
- **Power Supply** (110-240V AC @ 50/60Hz Mains) - Unique design supplying power to all IMC hardware components
 - Outputs: 12V DC (Processor, Peripherals and Fixed Contextual View Cameras); 18V DC (PTZ camera)
 - Power Consumption: 150 Watts (peak).

Camera Inputs

- Up to 6 fixed contextual view cameras at up to 4 FPS and 1 moving PTZ camera at up to 25 FPS, all at Full PAL 768 x 576 resolution.
- Interfaces with all Viseum-driven Camera Unit models or standard individual cameras via IP68 compliant weatherproof twist to seal plug/sockets.
- PTZ Communications - 4 wire RS422 telemetry to camera, and, if required, 2 or 4 wire to remote keyboard or CCTV control room.

Health and Safety Features

- Quick release weatherproof speed-fixers for easy mountable/demountable operation.
- Redeployable CCTV DVR Camera Controller and Intelligent PTZ Camera Array can be mounted on opposite sides of a street column to centralise weight & reduce cantilever effect.



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