

Viseum Ruggedized Re-deployable

Viseum's Ruggedized Re-deployable is modular configured to support customer requirements unique to Viseum:

- Virtual CCTV Operator Assistant software automatically monitoring 1 – 6 fixed contextual view cameras to detect activity, automatically move the PTZ camera to activity deemed to be of interest, consistently 24/7/365.
- 2 Terabytes Digital video recording (DVR) storing video up to 30 days from 1 up to 7 different camera views.
- Multiview evidence player; play the fixed contextual view evidence of any close-up incident, which is proven to significantly improve investigations and arrests.
- Remote Managed Support (RMS) 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 so they can also 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-machine 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 constant success of the Viseum IMC encourages its regular re-deployment”
(Police Surveillance Operator)**

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 will be noticeably inferior and an illegal copy in breach of International Law

Patent Portfolio - European EP 1 579 399 | United States of America US 7,952,608 B2 | Canadian CA2505340 | International PCT/GB 03/04691

Redeployable Intelligent PTZ Camera Array

By being seen to be consistently actively “manned” and constantly delivering results, the Viseum-driven Redeployable Intelligent PTZ Camera Array has the world's leading per camera evidence capture statistics, and the world's largest effective simultaneous coverage per camera.

It operates completely automatically with manual operator override but no operator fatigue, providing reassurance to business or residential communities and the ultimate deterrent to would-be offenders.



Technical Specification:

- Ruggedized IP67 rated weather proofing
- Quick release weatherproof speed-fixers for rapid temporary or semi permanent installations
- Weatherproof plug/socket connection multi-core cables
- Fixed cameras easily positioned to cover only desired areas, with pan and tilt adjustment using a single fixing bolt
- Available in 6 versions depending on weight limits and number of detection cameras for line of sight coverage required:

■ V 6+1 - for full 360° panorama (67,800 m ²)	■ V 4+1 - 240° (45,200 m ²)	■ V 2+1 - 120° (22,600 m ²)
■ V 5+1 - 300° (56,500 m ²)	■ V 3+1 - 180° (33,900 m ²)	■ V 1+1 - 60° (11,502 m ²)

Physical:

- Weight:** Full 6 Camera Array 3.2 kg (each fixed camera 260g) – PTZ 5.25 kg – Pole Bracket 1.7 kg
- Dimensions:** Array 270mm (Dia) x 117mm (H) - Complete unit with MIC1 457mm (H)
- Power Supply:** BOSCH MIC Series: 18V AC/24V DC built inside Redeployable CCTV DVR Camera Controller
 Fixed Cameras: 12V DC built inside Re-deployable CCTV DVR Camera Controller
- Maximum Power:** 44 Watts
- Operating Temperature:** Standard -20 to 50°C | High temperature -15 - 65°C (90°C may cause 5% loss of pixels)

Industry Leading Viseum-licensed Superior Optics:

- Advanced day/night PTZ moving camera:** BOSCH MIC Series 400 and 500 (with 36 or 18 x zoom)
- Fixed cameras:** inset window for additional weatherproofing
- Sony Ex-View 1/3" CCD High resolution with 570+ TV lines.
- Fixed lens 4.3 mm 60° horizontal view, Near IR low light sensitivity 0.005 lux (optional full IR)

Redeployable CCTV DVR Camera Controller

Local & Remote IP Communications - options

- 3g and 4G Communications Wireless TCP/IP WAN cellular router/gateway and major UK police force approved VPN appliance providing secure high-speed wireless remote connectivity.
- 2 x Hardwired Ethernet ports.
- Optional Communications
 - Wireless 802.11 a/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** - Standard 5 to 40°C | High temperature 5 - 65°C (90°C may cause 5% loss of pixels)
- **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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