NETWORK
SYSTEMS SOLUTIONS

DEDICATED MICROS

WELCOME

At Dedicated Micros, our reputation has been built on the innovative nature of the CCTV systems we develop; their reliability of operation and the comprehensive after sales support we offer to customers. As a CCTV specialist for over 22 years, we've spent millions of man-hours developing and fine-tuning our systems.

The ongoing commitment to deliver the very best possible security systems for your business is reflected in the launch of an innovative range of networked CCTV products. Powerful "NetVu Connected" technology, pioneered by DM's parent company AD Group, guarantees unlimited scalability, and combined with powerful customisation tools enables seamless integration and control of all DM products on the network.

THE DEDICATED
DESIGN PHILOSOPHY

Technological developments pioneered by DM have formed the building blocks for the success of today's CCTV industry. Those building blocks form the core architecture of DM's Networked Products. When you choose a DM product you buy DM's fundamental design philosophies.

>> NEVER STOP RECORDING

The internal architecture is based on a purpose-designed, real-time, embedded core, rather than a modified PC, for maximum reliability and immunity from virus attack. Our Network Servers contain local storage to ensure that the recording process can continue uninterrupted even in the event of a network failure.

>> SEAMLESS SCALABILITY

The latest DV-IP products, based on the NetVu Connected client/server software architecture, take IP connectivity to another level, offering a truly scalable solution that encompasses integrated video capture, recording, transmission and viewing from a single user interface.

>> NETWORK TRAFFIC ON DEMAND

Network congestion is minimised by only pushing a stream when it is demanded by a viewing station. The use of low-bit rate CODECs, such as MPEG-4, for transmission further lightens the load, making the system "IT Manager-friendly".

>> CUSTOMISATION

The ability to customise solutions is a key element of the NetVu philosophy. Dedicated Micros offers a range of developers tools, including a comprehensive JAVA-based SDK. Since the technology is based on standard client/server protocols, you are able to call upon a wealth of commercially-available development talent without having to invest in costly training programmes for proprietary packages.

>> EVIDENTIAL QUALITY RECORDINGS

All DM System products employ sophisticated digital signature technology such that the recorded images, and the associated audio and meta-data information, cannot be tampered with without detection. This level of integrity has helped secure numerous convictions in courts around the world.

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SYSTEM BUILDING BLOCKS

The DM range of server and viewing components are designed for large-scale CCTV deployments. The main storage capability is distributed among the Server elements to ensure that the system continues to record even in the event of a network failure.

OUR VISION

Any camera, from any moment in time, on any screen, anywhere in the world

>> NETVU CONNECTED COMPATIBILITY

Each of the system building blocks performs its own specific tasks, capturing, storing, transmitting, decoding and displaying video. DM guarantee compatibility thanks to the NetVu Connected technology. The common approach facilitated by the NetVu Connected technology is tremendously powerful. With an IP channel available to each our products, a single viewing application would be able to display any connected camera.

>> TECHNOLOGY OWNERSHIP

When you specify Dedicated Micros server products for your system, because all R & D is pioneered from the AD Group, you have peace of mind

knowing that we own all our own technology, you don't have to speak to a 3rd party vendor to ensure seamless integration.

>> SINGLE POINT OF CONTACT

The synergy which exists between AD Group companies provides you with a single source technology supplier for your networked CCTV products.

>> SHARED BASE TECHNOLOGY

The principal shareholder of AD is Mike Newton who founded UK CCTV giant Dedicated Micros in 1982 which ranks No1 globally for multi channel digital video recorders. In 2001 Dedicated Micros became an integral part of the AD Group. Since that time all AD companies have been able to take advantage of a shared technology base, offering the potential for flexible CCTV solutions on the ground, in the air and on the move.

NetVu CONNECTED

>> DV-IP SERVER

DV-IP Server allows a straightforward transition into the world of networked CCTV solutions, where reliable and easy scalable CCTV is required. High quality JPEG recording inside, combined with MPEG-4 transmission over the network, ensure that the DV-IP Server continues recording and managing alarms even in the event of a network outage.
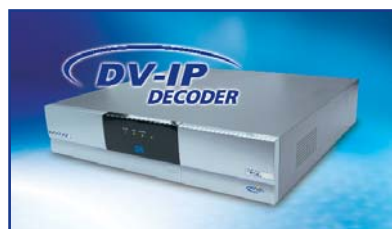
>> DV-IP DECODER

DV-IP Decoder adds composite CCTV monitor integration to DV-IP Systems. By using the network infrastructure as the transport mechanism, the practical limitations imposed by traditional coax cabling no longer exist so that the control room can be built anywhere on the Network.

>> THE DIGITAL SPRITE 2

The new Digital Sprite 2 provides true flexibility to any CCTV security solution and, like the DV-IP Server, the new DS2 now includes simultaneous MPEG-4 transmission and JPEG recording to ensure remote monitoring won't place a strain on the network. As part of the 'NetVu Connected' family the new DS2 can to adapt to future advances in security technology, protecting your investment for years to come. The combination of a user-friendly interface, remote management capability and leading edge features mean that the new DS2 can provide greater control and flexibility than ever before.

>> NetVu ObserVer

Shipped as standard with the DV-IP Server and new DS2, the NetVu ObserVer video management software* allows users to seamlessly view distributed images from any "NetVu Connected" product, such as the new DS2, TransVu or DV-IP ATM, from any moment in time, anywhere in the world.

*Also available as a download from www.dedicatedmicros.com

MultiMode
TransCoding

TRANSMISSION
COMPLETE CONTROL

Dedicated Micros system building blocks when combined, seamlessly bring together all the benefits of; 24 hour local high quality JPEG recording and control, MPEG-4 low bit rate transmission for fast updates across the network, deployment in any control room anywhere in the world on traditional composite monitors using the ground breaking DV-IP Decoder, providing true convergence between the analogue and IP worlds.

Compliance with the British Standard for remotely monitored, detector activated CCTV systems (B5 8418),

ensures that DV-IP is the brand of choice for companies requiring maximum protection against loss. In the UK, only those systems compliant with the new standard will qualify for an immediate response from the Police in the event of a visually verified incident on site.
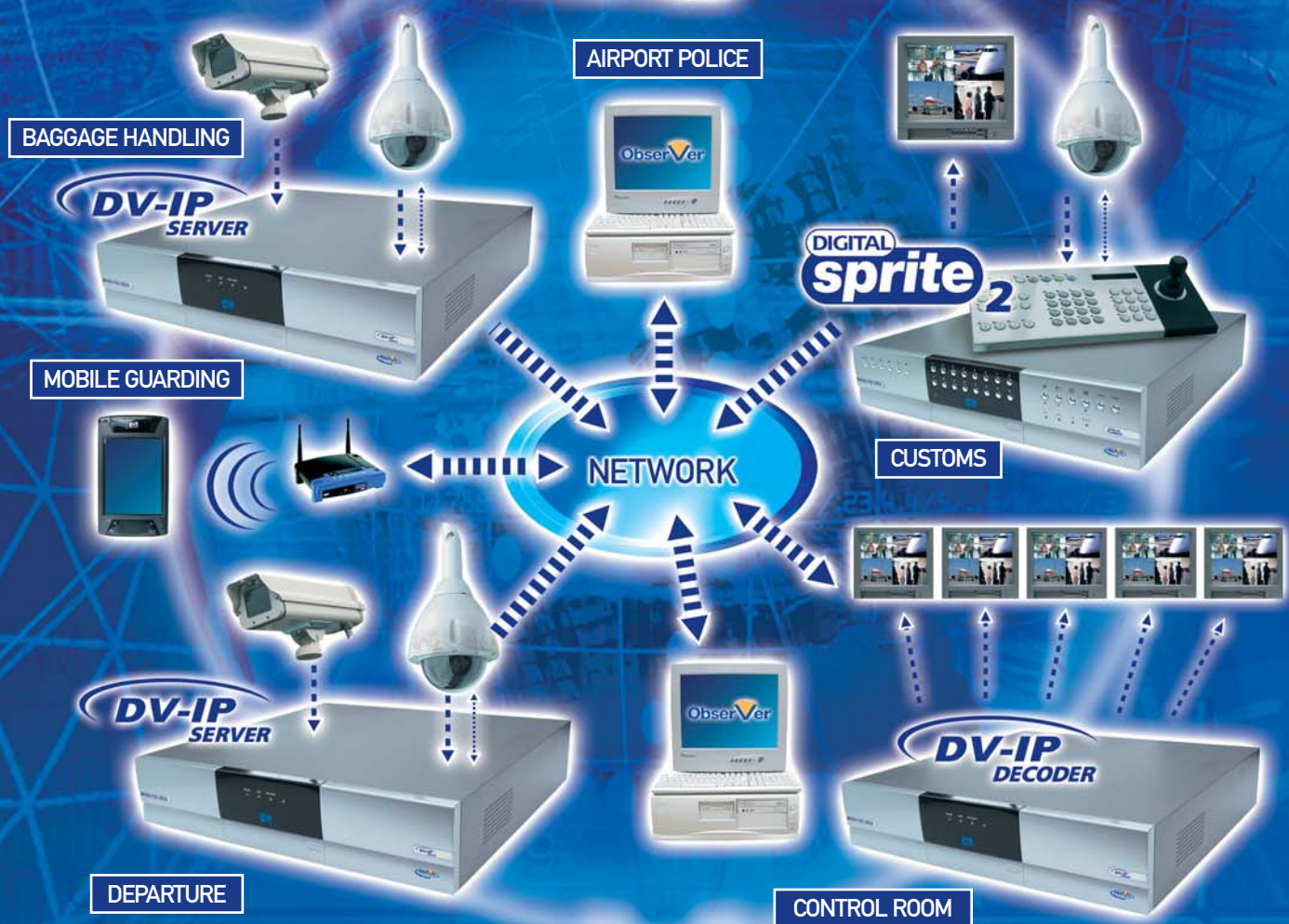
DV-IP is the brand of choice for companies requiring maximum protection against loss

Multi-site viewing and control using DM's powerful platform independent GUI application provide a seamless user interface to any camera, from any moment in time, anywhere in the world; in the office, at home or on the move using a PDA and wireless network.

And it doesn't stop there, our powerful suite of customisation tools make it possible to integrate DM system products into other building management systems.

NetVu CONNECTED

BAGGAGE HANDLING

DV-IP SERVER

MOBILE GUARDING

AIRPORT POLICE

ObserVer

DIGITAL sprite 2

CUSTOMS

NETWORK

DV-IP SERVER

DEPARTURE

ObserVer

CONTROL ROOM

DV-IP DECODER

SCHEMATIC OF AN AIRPORT TERMINAL BUILDING

pickapoint
DIGITAL MATRIX SOLUTION

The Pick-a-Point system brings together the CCTV system components into the control room environment, providing you with a dedicated multiple site control solution for medium and large scale CCTV deployments, while retaining a traditional user interface.

Pick-a-Point is able to replicate the simplicity of operation associated with a traditional analogue matrix by allowing control of multiple video servers without the need for thousands of metres of cabling. It also offers the potential to build a traditional composite video wall displaying cameras from a number of monitored sites delivering control over any camera in the system, while retaining all important keyboard and joystick functionality.

From the start Pick-a-Point has been designed to be intuitive for operators, providing an environment they are already familiar with, which greatly simplifies and speeds up image retrieval. Operators can simply pick and click cameras using Pick-a-Point's GUI (Graphical User Interface) from a site's database to view the images they require - without having to know which digital video recorder the camera is linked to. Also, unlike many virtual matrix solutions, dependent on a PC to record, view or playback video, Pick-a-Point is a standalone hardware based workstation which eliminates reliability and training issues associated with PC based systems.

pickapoint

APPLICATIONS

DM's products are used in security systems in a broad range of commercial and community applications across the globe. These include New York's 911 building, Heathrow Airport in London, the Oman Bank, BP petrol stations across the UK, Manchester United's Old Trafford Football Ground, the French Postal Service (the PPT) and the US Government Agency.

We now live in a world, where CCTV surveillance is everywhere. The flexible scalability of DM's networked systems allow CCTV to be deployed anywhere with no limitations. One of the first companies to embrace the concept of video over IP; AD Group's interests now include CCTV systems for aircraft, transport and smoke detection, together with camera technology and digital video recorders and multiplexers.

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SOFTWARE DEVELOPMENT KIT

The NetVu Connected SDK provides integration opportunities by offering DM authorised integrators the necessary tools and flexibility to design custom Java based applications. Video can for example, be integrated into other building management systems providing the end user with a powerful management interface; or generate video recordings that are linked to events, such as machine failure or process alarms – particularly useful on large and multi-campus manufacturing sites.
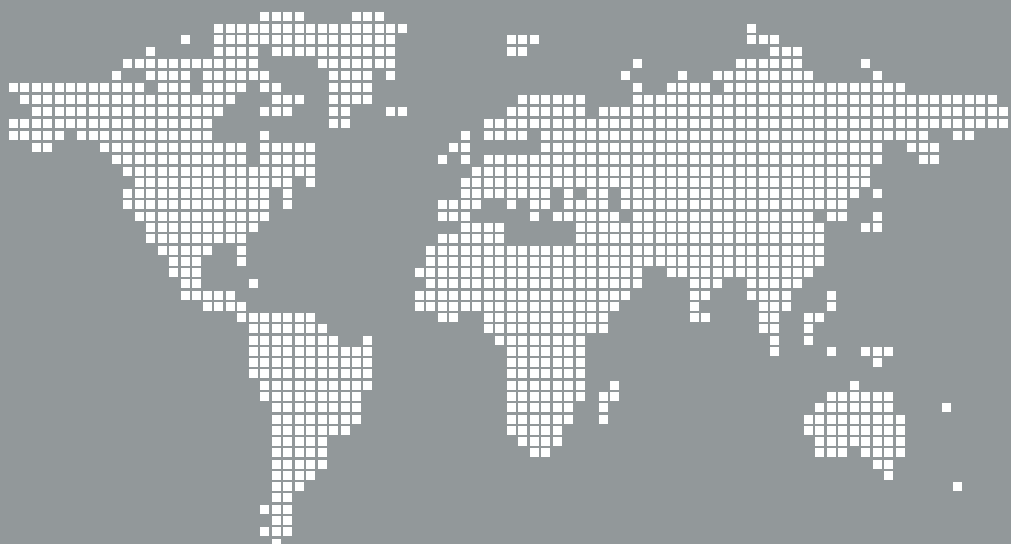
DEDICATED MICROS

www.dedicatedmicros.com

Digital video technology doesn't stop at conventional security - it's capabilities stretch to a comprehensive
range of market applications...

- Banking
- Retail
- Gaming
- Systems integration
- Dome cameras and accessories

Please contact your local customer service team for our vertical market brochures, or visit the website

www.dedicatedmicros.com

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