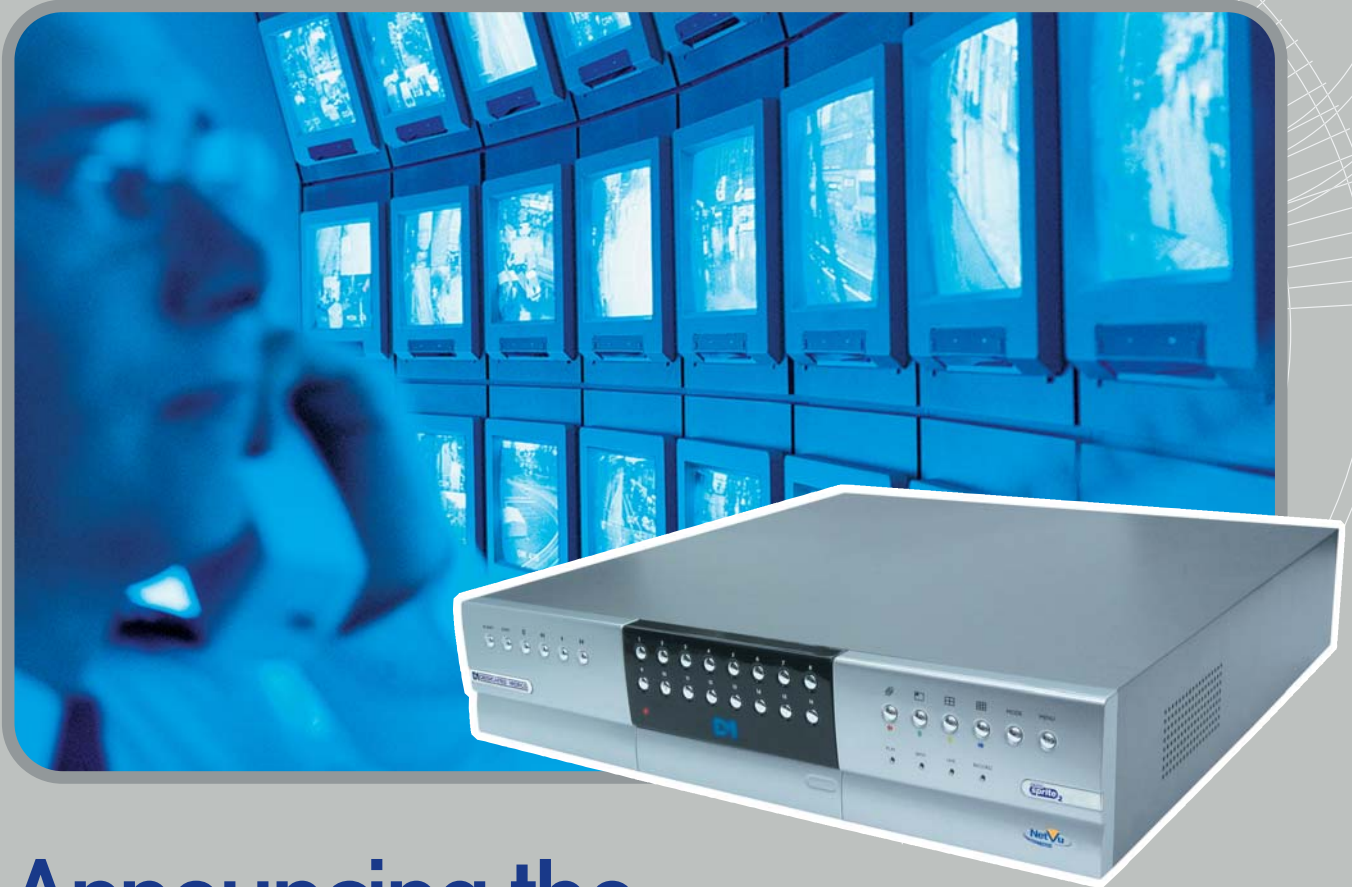


Product Announcement



Announcing the **NEW** **DIGITAL** **sprite** **2**

The Digital Sprite 2 has always set the standard for easy to use, reliable digital video recording with integrated telemetry control. Now a new generation of the DS2 is available that continues the tradition of simplicity, usability and flexibility that has made the product range so popular, while adding significant improvements to its functionality.

The new DS2 combines transmission with telemetry control and recording into one platform so there is no need for additional hardware when integrating a comprehensive CCTV solution. Furthermore, on-site operations have been enhanced with features such as DVD archiving and Duoview whilst maintaining the DS2's familiar user interface.

Should you require more, the inclusion of advanced networking features mean that alarms can be monitored remotely, with improved live video viewing, providing out of hours or round the clock surveillance as required.

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, and as part of the 'NetVu Connected' family the new DS2 is built to adapt to future advances in security technology, protecting your investment for years to come.



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Feature Enhancements

REMOTE ALARM MANAGEMENT (including dial-out on alarm)

The new DS2 is now capable of integrating into a network based security system, with full support for Alarm Receiving Centres:

NetVu Connected

The new DS2 now has NetVu Connected technology built-in to ensure maximum compatibility with future developments in networked security. NetVu Connected technology enables the new DS2 to fully interoperate with other NetVu Connected products from DM including the DV-IP Decoder, and the NetVu ObserVer PC Viewer. NetVu Connected technology uses industry standard networking protocols supported by a wide range of third-party integration products to allow a range of management, monitoring and configuration activities to be conducted remote from the unit.

MPEG-4 Video Streaming and Simultaneous JPEG Recording

Through advances in compression technology and the introduction of powerful new media processors unique to DM the new DS2 now records evidential quality JPEG images on the local hard drive, whilst SIMULTANEOUSLY streaming live images to multiple connections in MPEG-4 format.

Instant Alarm Reporting

The new DS2 provides instant reporting of alarms (including dial-out on alarm) to any remote location, ensuring you find out about a situation in time to control it.

Alternative Signalling Path

To ensure the message gets through, the new DS2 provides the ability to set up two network connections to two independent Alarm Receiving Centres, with the second taking over if the primary fails. Support for wireless and mobile phone networks through Ethernet and Serial PPP ensures the diversity needed to protect against wireline network failures.

Email & SMS Messaging

For less urgent communications, the new DS2 now supports SMS messaging as well as Email messaging, providing out of hours peace of mind.

False Alarm Suppression

Advanced alarm zones added to the new DS2 allow you to combine multiple detection sources to minimise false triggers. Alarms can be triggered by a combination of a PIR and camera VMD to remove false alarms from either source. Added to this, each alarm input can be temporarily disabled by a remote administrator to ensure that faulty detectors do not mask real alarm incidents.

Tamper Proof Alarms

DS2 has upgraded internal alarms with EOL resistive tamper detection hardware, ensuring that your system cannot be compromised by attempts to bypass detectors (may require software upgrade).

Flash Disk Operation

To ensure that surveillance and alarm reporting functions are unaffected in the unlikely event of HDD failure, the new DS2 has a built-in Flash Disk containing all the essential program and configuration data.

Two Way Remote Audio

The new DS2 can receive audio from a remote network viewer and play it directly out of the unit for audio challenge or help point applications. The received audio can also be optionally recorded with the images for enhanced evidence analysis.

IMPROVED RECORDING FLEXIBILITY

The DS2 has always provided useful facilities to control the amount of data that is recorded and ensure that there is sufficient capacity to meet the record durations customers require. Improvements in the configuration of recording in the new DS2 allow even greater control and efficiency, while maximum storage has also been increased.

Variable Record Rates

The new DS2 now allows you to set exact record rates for each camera, ensuring precise recording where and when you need it most. The out of the box settings still ensure the new DS2 is quick to install and ready for use immediately, whilst further configurations allow a range of timings from 1 picture per 100 seconds up to real time video.

7-day Schedule

The new DS2 has been enhanced to include a 7-day schedule, allowing each day to have customised hours e.g. late night opening for retail stores.

RAM Pre Alarm

Customers have previously been faced with two choices of pre-event recording: either activity prior to an event would be continuously recorded at the standard low rate or it would be unrecorded and only the images post the event would be captured. Now the new DS2 includes the option to continuously record images into a RAM pre-alarm buffer. When an alarm is triggered, the buffer provides the ability to capture alarm images prior to the event. Available RAM can be allocated between the cameras to ensure that the most important views are recorded for the longest time and highest quality, allowing the pre-alarm record rate to be specified on a per camera basis.

Expandable External Storage

Previous versions of DS2 have provided up to 3.2TB of external storage. With the massive increases in hard drive storage density, long term storage and image quality expectations are continuously rising and the new DS2 has been enhanced to allow up to 10TB of external storage in order to meet these requirements.

Automatic Archiving

Where critical events need to be copied from the DVR, automatic archiving is now possible. When an event occurs, the video data can be immediately copied to a remote server using FTP, or to a local optical disk (DVD-R/CD-R). Where network bandwidth needs to be controlled, FTP archives can be delayed to the time of the day when traffic is lightest.

ENHANCED LOCAL CONTROL

The DS2 is renowned for its easy and intuitive local operation support. Improvements in local archiving, alarm display and image viewing make the new DS2 better than ever for the local operator.

DVD-R Local Archiving

The ability to archive evidence locally has been dramatically improved with the ability to generate 4.7GB DVD-R recordings where traditionally the DS2 was limited to CD-R media. The new DS2 still retains the ability to record to CD media where less data is needed.

Spot Monitor Alarm Switching

DS2 operators have gained value from the ability to switch the main monitor to a camera as it enters alarm, but it can become distracting and interfere with regular surveillance in some situations. Now the new DS2 can be configured to switch the spot monitor on alarm, freeing the main monitor to be used as required by the operator.

Improved Activity Detection

The resolution of activity detection has been doubled from 16x8 to 16x16 (PAL) making it easier to mask the exact area when motion detection is required, either for alarm triggering or retrospective Smart Search of recorded video. Advances in the setup process have been improved too, with a paint facility allowing any rectangular area of the screen to be quickly highlighted and all the cells in the selected area enabled or disabled at the touch of a button.

On Screen Display Text Removal

The DS2 provides a range of useful status information on the main and spot monitors. In some scenarios, some or all of this information is not required, needlessly reducing the size of the viewable image. New options in the DS2 now allow the administrator to disable some, or all of the on screen text to provide as much or as little information as is required, allowing the size of the viewable image to be increased.

Duoview

The DS2 has traditionally provided playback in full screen, picture in picture and quad display modes. Now you can choose to playback in any multiway display mode, right up to 16-way. For ultimate flexibility you can now have any combination of live and recorded segments on the multiway view, allowing you to review recorded material, while keeping an eye to ongoing surveillance.

INVESTMENT PROTECTION

With total ownership of technology, DM has been able to support new developments in CCTV, while maintaining ongoing support for the traditional requirements for professional security installations.

Soft Codec Architecture

The new DS2 now has state of the art DSP technology integrated to provide the maximum flexibility in the choice of video and audio compression as new standards emerge.

IP Camera Integration

The new DS2, NetVu Connected architecture, will have the ability to support IP cameras, check the web site for the latest developments.

Legacy Dome Support

DS2 now has the ability to support two RS-485 dome networks simultaneously, allowing you to use one protocol for existing PTZ equipment while getting the most out of the latest DM Domes through optimised protocol support.



| FEATURE | OLD DS2 | NEW DS2 |
|---|---------|---------|
| EASY STARTUP | | |
| Auto record on power up | • | • |
| Auto camera detect and add to auto record | • | • |
| Configurable recorded image size | • | • |
| Configurable standard record rates | • | • |
| ALARM FEATURES | | |
| Logical alarm zones for false alarm suppression | | • |
| Tamper proof alarm hardware* | | • |
| Archive on event | | • |
| Activate telemetry presets on alarm | • | • |
| Fully configurable alarms | • | • |
| ADVANCED RECORDING | | |
| Variable record rates per camera | | • |
| RAM pre-alarm | | • |
| Write once recording | | • |
| Schedule times per weekday | | • |
| Basic timer schedule with weekend override | • | • |
| Contact toggled schedule | • | • |
| MOTION DETECT & SMART SEARCH | | |
| Advanced VMD (16 rectangular areas) | | • |
| Activity grid mask resolution (PAL) | 8x16 | 16x16 |
| Basic activity detect (Single grid mask) | • | • |
| Smart search (Single grid mask) | • | • |
| TIMED EXPIRY & IMAGE PROTECTION | | |
| Timed expiry of video viewing | • | • |
| Image protection | • | • |
| AUDIO | | |
| Two-way remote network audio | | • |
| Record and playback local audio | • | • |
| TELEMETRY | | |
| Telemetry – 485 Bus B independent of Bus A | | • |
| Telemetry – 232 Matrix support | | • |
| Telemetry – 485 Bus A | • | • |
| EXTERNAL STORAGE | | |
| RAID/JBOD support | 3.2TB | 10TB |

* may require a software upgrade

| FEATURE | OLD DS2 | NEW DS2 |
|---|---------|---------|
| USER CONFIGURATION & VIEWING | | |
| DuoView - playback and live on main monitor | | • |
| Title removal from main and spot monitor | | • |
| Hidden camera support | • | • |
| OSD Multi-level passwords | • | • |
| MONITOR SWITCHING | | |
| Alarm sequence/multiscreen on main monitor | | • |
| Alarm switch/sequence on spot monitor | | • |
| Alarm switch on main monitor | • | • |
| Sequenced main monitor | • | • |
| Sequenced spot monitor | • | • |
| NETWORKING | | |
| NetVu Connected | | • |
| JPEG Record and viewing | • | • |
| Simultaneous MPEG-4 remote viewing & JPEG recording | | • |
| Instant alarm reporting (including dial-out on alarm) | | • |
| Dual network alarm reporting paths | | • |
| SMS reporting | | • |
| Web cam uploads | | • |
| Network viewing | • | • |
| Network telemetry | • | • |
| Network configuration | • | • |
| Email on alarm | • | • |
| OPTICAL ARCHIVING | | |
| DVD archive support with built-in recorder | | • |
| CD archive support | • | • |
| EXTERNAL CONNECTIONS | | |
| Text insert in base product | | • |
| 485-Bus remote keyboard control | • | • |
| 485-Bus unit networking, up to 16 units | • | • |
| IR remote support | • | • |
| NETVU OBSERVER | | |
| Multi-Site viewing | | • |
| Built-in Replay Server | | • |
| Drag & Drop GUI | | • |

The New Digital Sprite 2 is available in the following configurations

| PRODUCT DESCRIPTION | DEFAULT STORAGE CAPACITY* | QUICK ORDER CODES | |
|---|---------------------------|-------------------|-------------------|
| | | 50PPS | 100PPS |
| 6 way DVR, 80GB, duplex+, NetVu Connected | 1 week | DS2A 6 DVD 80GB | N/A |
| 6 way DVR, 160GB, duplex+, NetVu Connected | 2 weeks | DS2A 6 DVD 160GB | DS2P 6 DVD 160GB |
| 6 way DVR, 320GB, duplex+, NetVu Connected | 1 month | DS2A 6 DVD 320GB | DS2P 6 DVD 320GB |
| 6 way DVR, 600GB, duplex+, NetVu Connected | 2 months | N/A | DS2P 6 DVD 600GB |
| 9 way DVR, 80GB, duplex+, NetVu Connected | 1 week | DS2A 9 DVD 80GB | N/A |
| 9 way DVR, 160GB, duplex+, NetVu Connected | 2 weeks | DS2A 9 DVD 160GB | DS2P 9 DVD 160GB |
| 9 way DVR, 320GB, duplex+, NetVu Connected | 1 month | DS2A 9 DVD 320GB | DS2P 9 DVD 320GB |
| 9 way DVR, 600GB, duplex+, NetVu Connected | 2 months | DS2A 9 DVD 600GB | DS2P 9 DVD 600GB |
| 16 way DVR, 80GB, duplex+, NetVu Connected | 1 week | DS2A 16 DVD 80GB | N/A |
| 16 way DVR, 160GB, duplex+, NetVu Connected | 2 weeks | DS2A 16 DVD 160GB | DS2P 16 DVD 160GB |
| 16 way DVR, 320GB, duplex+, NetVu Connected | 1 month | DS2A 16 DVD 320GB | DS2P 16 DVD 320GB |
| 16 way DVR, 600GB, duplex+, NetVu Connected | 2 months | DS2A 16 DVD 600GB | DS2P 16 DVD 600GB |

* Storage capacity is quoted at standard record settings configured at factory of 6PPS shared across all cameras, 18KB file size

Warranty

All New DS2's come with a 3 year warranty (including HDDs), and are subject to our normal terms and conditions of sale.