

system sprite

SX9, SX9C, DX9, DX9C, SX16, SX16C, DX16, DX16C

Multiplexers with integrated telemetry control and system capabilities

System Sprite video multiplexers provide multiscreen viewing and continuous, full-frame recording for standalone 9 & 16 camera, or multiple camera (c-bus/RS485) networked systems

System Sprite builds on to the industry standard Sprite product concept, offering user-friendly set-up and operation with enhanced alarm and activity detection handling. Most important is the provision of a cost effective solution for networked applications.

Standalone multiplexing is provided by front panel control keys. A variety of flexible networked systems can be developed by the integration of 3 key System Sprite 'building blocks'; a keyboard, a multiplexer and a monitor switcher. Fully integrated telemetry control of DM, BBV and Dennard receivers, as well as leading manufacturer's domes, is also available using the in-built telemetry joystick.

| range | 9 camera | | 16 camera | |
|--|----------|-------------|--------------|-------------|
| | mono | simplex | SYSTEM SX9 | SYSTEM SX16 |
| colour | simplex | SYSTEM SX9C | SYSTEM SX16C | |
| mono | duplex | SYSTEM DX9 | SYSTEM DX16 | |
| colour | duplex | SYSTEM DX9C | SYSTEM DX16C | |
| optional remote keyboard | | | SYS KBD | |
| image router for a maximum 8 monitors | | | VS8 | |
| image router for a maximum 16 monitors | | | VS16 | |

benefits

- **CHOICE OF FIVE LANGUAGES** - MENUS CAN BE DISPLAYED IN ENGLISH, FRENCH, GERMAN, SPANISH AND ITALIAN. MULTI-LINGUAL MANUALS ARE ALSO SUPPLIED
- **FAST, AUTOMATED INSTALLATION** - WITH ACD AUTOMATIC CAMERA SET UP ON POWER-UP, VEXT VCR SYNCHRONISATION AND CONTINUOUS CAMERA SIGNAL SENSING
- **EASY PROGRAMMING AND OPERATION** - DELIVERED THROUGH USER FRIENDLY MENU SYSTEM, INTUITIVE KEYBOARD DESIGN AND SCHEDULING OPTIONS
- **SOPHISTICATED ALARM RESPONSE** - PROVIDES THE ABILITY TO CHANGE THE SPOT OR MAIN MONITOR ON ALARM, WITH AUTOMATIC RETURN TO PRE-ALARM DISPLAYS AND USER DEFINABLE ALARM DURATION
- **INDIVIDUALLY PROGRAMMABLE MOVEMENT DETECTION** - INDIVIDUAL CAMERAS CAN TRIGGER MINIMUM RECORDING AND AN INDIVIDUAL RELAY BASED ON MOVEMENT SENSING
- **MULTIPLE CAMERA C-BUS / RS485 NETWORKING** - PROVIDES A SIMPLE WAY TO LINK MULTIPLEXERS AND KEYBOARDS MAKING IT EASY TO EXTEND OR ADAPT INSTALLATIONS
- **INTEGRAL TELEMETRY CONTROL** - IN-BUILT TELEMETRY JOYSTICK CAN CONTROL A RANGE OF DM, BBV AND DENNARD TELEMETRY RECEIVERS FOR FIXED AND VARIABLE SPEED PAN / TILT / ZOOM UNITS AS WELL AS A NUMBER OF LEADING MANUFACTURERS HIGH SPEED VARIABLE DOMES INCLUDING:
JVC, PANASONIC, SANYO, PELCO, ALLTEC APPLCO, ULTRACK DIAMOND, STAR, CHUGAI, COMPUTAR, VCL AND VICON



Features

INSTALLATION

Auto camera detect on power up
VEXT VCR synchronisation
Continuous camera sensing

LANGUAGES

English, French, German, Spanish, Italian

SCREEN MODES

Main monitor

Full screen
Sequence
Programmable multiscreens:
Quad, 9, 8+2, 9 way, 16 way
Programmable picture-in-picture
x2 electronic zoom
Hold
Freeze frame

Spot monitor

Full screen
Sequence - sequence can be edited
Independent spot control via duplex
front panel control or remote keyboard

SCHEDULING

Event options

Day and night setting
Alarm panel key switch link to activate
day and night settings. Link is provided
by c-bus alarm module - RAM

MOVEMENT DETECTION

Size of masking grid

16 x 8 = 128 zones per camera

Sensitivity levels

5 levels per camera

Options

Exclusive, interleave or user definable
record speed
Global relay
Individual relay per camera, available
with c-bus Relay Output Module - ROM

ALARM OPTIONS

User definable alarm extension
Exclusive, interleave and user definable
record speed
Spot or main monitor display of
alarmed cameras
Automatic return to pre-alarm display
on alarm clear

TELEMETRY FUNCTIONS

Available with System Controller
keyboard with in-built joystick
Available functions:
Pan, tilt, zoom, focus, iris, wash, wipe,
lamps, auto-pan
16 presets and preset patrol

(c-bus/RS485) MULTIPLEXER NETWORKING

The following, multiple units can be
networked using RS485
communications:
System Sprite - max 16
System Controller keyboard - max 16
Monitor Switcher - max 16
Remote Alarm Modules - max 16
Relay Output Modules - max 16

RS485 TIME SYNCHRONISATION

A master System Sprite can be
configured to synchronise the time of
all connected units

TELEMETRY CONTROL OPTIONS

Fixed speed ac pan/tilt/zoom units

BBV/Dennard coaxial
telemetry receivers

DM DTMF/c-bus
telemetry receivers

RX300 RANGE

- 1 auxiliary function
- no presets

RX400P RANGE

- 4 auxiliary function
- 16 presets

DR4+ RANGE

- 1 auxiliary function
- 100 presets

An Advance cti adapter is required when using DMTF signaling with Advance
DR4+ telemetry receivers.

High and variable speed pan/tilt/zoom units

BBV/Dennard coaxial telemetry receivers

RX400DC

- 3 auxiliary functions
- 16 presets
- 8 alarm inputs

FOR FURTHER INFORMATION CONTACT

All dimensions given in millimetres/inches REF: DM5/99

The manufacturer reserves the right to change the specification without notice.

High and variable speed, integrated domes

Sprite provides direct control of Pelco, Spectra high speed domes.

A BBV RX100 interface unit is required for the following domes:

Compatible domes

- Alltec Apollo
- Diamond SmartScan
- JVC TK-C675E
- Mark Mercer D250MPT
- Panasonic WV-CSR400/B
- Panasonic WV-CSR600/B
- Chugai/Computar SMD-08, SMD-08II, SMD-12, SMD-12II, SMD-20
- Star MD-100, MD-800, MD-1200S, MD-1200H, MD-2000
- Sanyo VCC-9200P
- VCL VCLTP
- Vicon Surveyor

Specification

FRAMESTORE COLOUR

Sample rate: 13.5 Mhz
S-video component type framestore.
Recording method: UV (R-Y), (B-Y)
Sample per line PAL: 720 horizontal x 512 vertical, 256 levels of grey 8 bit luma.
Sample per line NTSC: 720 horizontal x 448 vertical, 256 levels of grey 8 bit luma
NTSC & PAL: 16.8 million colours fully implemented to CCIR 4:2:2 standard.

FRAMESTORE MONO

Sample rate: 16 Mhz
Sample per line CCIR: 832 horizontal x 512 vertical, 1024 levels of grey 10 bit luma.
Sample per line EIA: 832 horizontal x 448 vertical, 1024 levels of grey 10 bit luma.

VIDEO INPUTS

1 BNC connector per camera input terminated at 75 ohms. Individual cameras can be un-terminated available through menu selection. Loop through BNC connectors available on rear panel.

VIDEO OUTPUTS

Mon A: main digital monitor. Composite video via BNC connector or S-video 4 pin mini DIN connector for colour, duplex models.

Mon B: spot monitor. Composite video via BNC connector.

VCR INPUTS/OUTPUTS

VCR in/out: composite video via BNC connector or S-video via 4 pin mini DIN connector for colour, duplex models.

VCR VEXT INPUT

Rear panel AUX-/+ screw terminals provide connection for VCR pulse synchronisation.

ALARM INPUTS

1 alarm input per camera is provided through a remote c-bus alarm module. Each c-bus alarm module accepts up to 16 normally open/normally closed contacts. Up to 16 remote c-bus alarm modules can be connected to each c-bus system.

1 alarm input is provided on rear panel AUX -/+ screw type terminals for VCR VEXT pulse, VCR "tape out" or global alarm.

ALARM OUTPUTS

Two light duty relay outputs R1 and R2 (500mA @ 12V - 48V max). Used to set/reset VCR into minimum record mode for duration of alarm and/or to trigger external audible/visual alarm prompt device.

C-BUS TERMINATION

2 x MMJ connectors providing c-bus "A & B" signaling and 8V d.c. output local power supply for c-bus accessory devices.

TEMPERATURE RANGE

Operating range: 0 - 40°C

POWER REQUIREMENTS

90 - 264V a.c., 50/60Hz supplied to external PSU, which provides d.c. input required (External PSU rated at 43W provided as standard)

DIMENSIONS

Multiplexer: 48(H) x 432(W) x 325(D)mm, 1 3/4(H) x 17(W) x 12 3/4(D)"
Keyboard: 35(H) x 415(W) x 177(D)mm, 2(H)" x 143/4(W)" x 63/4(D)"

WEIGHT 2 kg



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System Sprite
video multiplex
range and
accessories



| | | 9 camera | 16 camera | |
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Benefits: Benefits: Benefits: Benefits: Benefits:

- ▶ Multiple camera c-bus/RS485 networking provides a simple way to link multiplexers and keyboards, making it easy to adapt or expand installations.
- ▶ Fast, automated installation with ACD (automatic camera detection) on power-up, plus VEXT VCR synchronisation and continuous camera sensing.
- ▶ Easy programming and operation delivered through user-friendly menu system, intuitive keyboard design and scheduling options.
- ▶ Integral telemetry control via built-in joystick compatible with a range of DM, BBV and Dennard telemetry receivers for fixed and variable speed pan/tilt/zoom units. Also compatible with leading high speed domes, including: JVC, Panasonic, Sanyo, Pelco, Alltec, Apollo, Ultrak, Diamond, Star, Chugai, Computar, VCL and Vicon.
- ▶ Sophisticated alarm response with the ability to change the spot or main monitor on alarm, with automatic return to pre-alarm displays and user-definable alarm duration.
- ▶ Individually programmable movement detection - individual cameras can trigger minimum recording and an individual relay based on movement sensing.
- ▶ Choice of five languages for menu text - English, French, German, Spanish and Italian. Multilingual manuals are also supplied.

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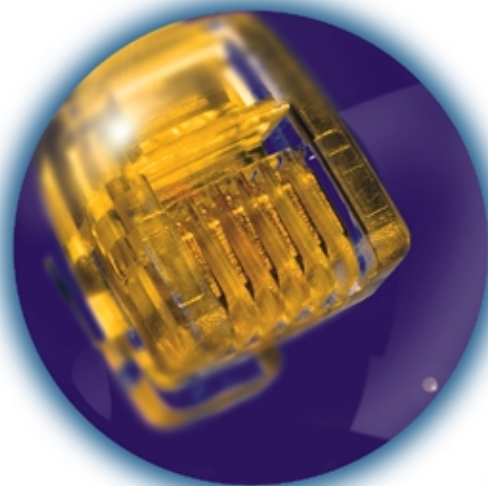
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Take a closer look at the latest in CCTV control.



system
sprite

New System Sprite - the ultimate in integration, control and image supremacy.

Dedicated Micros has been at the leading edge of CCTV innovation for more than 16 years, so it's no surprise that New System Sprite is a product that breaks new ground in cost-effective, versatile multiplexer technology.

System Sprite has been developed from the proven industry-standard Sprite product concept, to provide user-friendly multiplexed viewing and recording for standalone 9 and 16 camera systems, or multiple camera [c-bus/RS485] networked systems.

In terms of advanced features, network-building potential and pure value for money, nothing comes close to New System Sprite.



EASY STEP-BY-STEP INSTALLATION

Advanced installation features come as standard with New System Sprite, to ensure a speedy and straightforward set-up process.

Automatic VCR synchronisation via VEXT connection, Automatic Camera Detection on power-up [ACD] combine to make installation quick and easy. The installer simply has to attach cameras, monitor and VCR to begin multiplex recording and viewing. Once the initial set-up is completed, the multiplexer will continuously sense for connected cameras and supporting "Twinchip" colour switching cameras.

All networked multiplexers can be RS485 time-synchronised via an easily configured 'master' multiplexer. This means that all connected units have a consistent time and date.

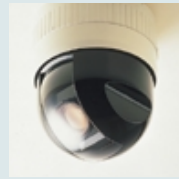
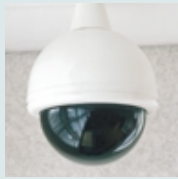
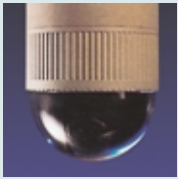
The entire set-up process is guided by System Sprite's new single layer menu with on-screen help text. The menu quickly leads the installer from a basic installation through to more advanced alarm and activity settings; DM has avoided the complicated menu trees which can sometimes lead to important set-up procedures being overlooked.

USER-FRIENDLY OPERATION

New System Sprite offers exceptional operator control in an extremely simple form. A scrolling list of menus simplify editing procedures, virtually eliminating the need for operator training, and reduce the potential for user error.

DM's unrivalled keyboard and front panel design is based on an 'intuitive' concept, making operation simple and logical. Access to the set-up menu is very straight forward - additionally, pressing and holding the camera, multiscreen, record select or activity select keys gives access to all set-up options.





Leading dome units can be controlled from System Sprite's integral joystick

THREE SIMPLE STEPS TO TOTAL CAPABILITY

New System Sprite comprises just three 'building blocks' - keyboard, multiplexer and monitor video switcher.

With these three components, integration capabilities are virtually unlimited. That's because c-bus/RS485 systems are easy to expand and adapt, helping to simplify wiring and cabling. With New System Sprite there's no requirement to add an expensive and complicated matrix system to achieve a multiple keyboard, multiplexer and video switching installation.

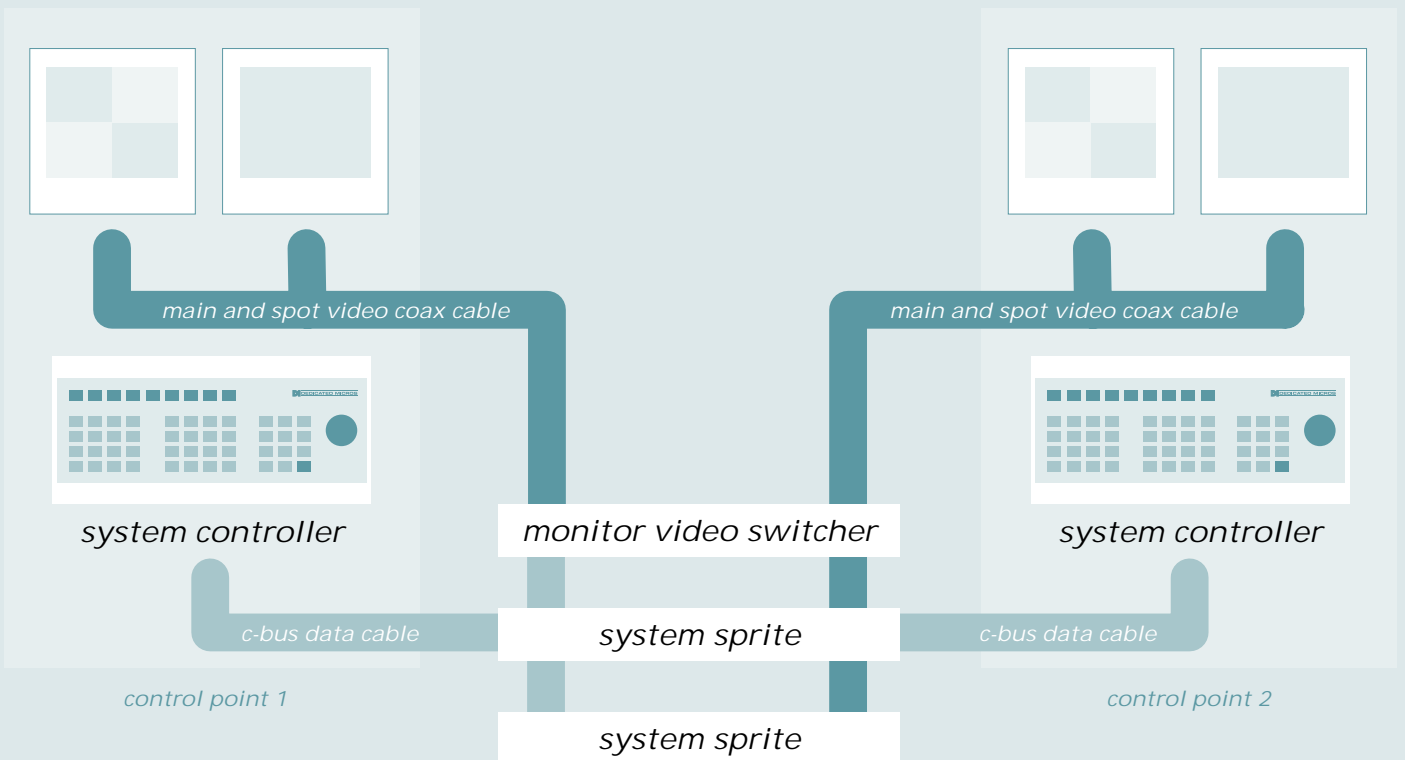
In effect, the System Sprite 'building blocks' can be simply 'daisy-chained' together - the key to its immensely cost-effective versatility in achieving networked control on any scale.

OPEN SYSTEM INTEGRATED TELEMETRY CONTROL WITH BUILT-IN JOYSTICK

The System Controller keyboard also features an integral joystick for direct control of telemetry receivers and domes. This feature removes the usual requirement for an additional telemetry transmitter or controller, and the expense implications of such an add-on.

For even greater flexibility, System Sprite is compatible with DM, BBV and Dennard receivers, and all the leading makes of high speed domes. These include: JVC, Panasonic, Sanyo, Pelco, Alltec, Apollo, Ultrak, Diamond, Star, Chugai, Computar, VCL and Vicon.

The 'open system' provided by DM gives customers a wide range of options, with the opportunity to expand or adapt their existing system as and when required.



A cost effective alternative to expensive and complicated matrix systems - System Sprite's 'building blocks' can be simply connected together in any realistic configuration to provide multiple point control of numerous multiplexers

ADVANCED ALARM AND DETECTION

New System Sprite's feature-packed specification also includes an advanced array of alarm and detection capabilities.

Activity detection can be programmed to respond in a similar way to traditional alarms, triggering minimum recordings and relays for audio or visual warnings.

With System Sprite an alarm panel set/unset switch can be used to trigger alarm and activity schedules. This means that day and night set-ups are respectively activated when the first or last person enters or leaves the secured area - a far safer and more 'foolproof' system than one based on timer settings.

HIDDEN CAMERA OPTION

For the ultimate in secure surveillance, System Sprite can record cameras hidden from operators' live and playback view. Critical and high risk areas can thus be monitored with password-protected access - allowing only specified personnel to view.

REPLAY OF ROBOT™-RECORDED TAPES

System Sprite can also play back tapes recorded by Robot multiplexers, which reduces the amount of equipment required in tape reviewing applications.



*movement
detection*



*networked
control*



*multi screen
viewing*



*VEXT video
synchronisation*



*auto camera
detection*

THE UNIQUELY VERSATILE CCTV PACKAGE

From standalone installations through to extensive CCTV surveillance networks, New System Sprite offers all the cost-effective options you need.

Simple to install and operate, easily expanded and integrated, it provides a standard of features and support far in advance of its price.

In terms of versatility and value for money, nothing can compare with New System Sprite.

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Contact customer services for details of your nearest distributor