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 / colour | simplex | SYSTEM SX9 | SYSTEM SX16 |
| | | SYSTEM SX9C | SYSTEM SX16C |
| mono / colour | duplex | SYSTEM DX9 | SYSTEM DX16 |
| | | 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 MIMIMUM 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 APLLO, ULTRACK DIAMOND, STAR, CHUGAI, COMPUTAR, VCL AND VICON*

data sheet

data sheet

# Features

| | |
|---|---|
| **INSTALLATION** | Auto camera detect on power up<br>VEXT VCR synchronisation<br>Continuous camera sensing |
| **LANGUAGES** | English, French, German, Spanish, Italian |
| **SCREEN MODES** | |
| Main monitor | Full screen<br>Sequence<br>Programmable multiscreens: Quad, 9, 8+2, 9 way, 16 way<br>Programmable picture-in-picture<br>x2 electronic zoom<br>Hold<br>Freeze frame |
| Spot monitor | Full screen<br>Sequence - sequence can be edited<br>Independent spot control via duplex front panel control or remote keyboard |
| **SCHEDULING** | |
| Event options | Day and night setting<br>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<br>Global relay<br>Individual relay per camera, available with c-bus Relay Output Module - ROM |
| **ALARM OPTIONS** | |
| | User definable alarm extension<br>Exclusive, interleave and user definable record speed<br>Spot or main monitor display of alarmed cameras<br>Automatic return to pre-alarm display on alarm clear |
| **TELEMETRY FUNCTIONS** | Available with System Controller keyboard with in-built joystick<br>Available functions:<br>Pan, tilt, zoom, focus, iris, wash, wipe, lamps, auto-pan<br>16 presets and preset patrol |
| **(c-bus/RS485) MULTIPLEXER NETWORKING** | The following, multiple units can be networked using RS485 communications:<br>System Sprite - max 16<br>System Controller keyboard - max 16<br>Monitor Switcher - max 16<br>Remote Alarm Modules - max 16<br>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** | **RX400P RANGE** | **DR4+ RANGE** |
| • 1 auxiliary function | • 4 auxiliary function | • 1 auxiliary function |
| • no presets | • 16 presets | • 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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