DM

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.
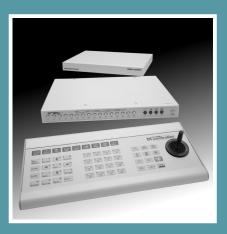
range

		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 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

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	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

CE

DEDICATED MICROS