

SP16C COLOUR VIDEO TRIPLEX MULTIPLEXER



- Triplex operations
- High resolution S-VHS outputs
- Real time multi screen
- Remote control by keyboard up to 1200 m
- Video motion detection for each camera
- 16 inputs with loop
- Selectable PAL/NTSC

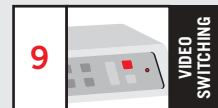
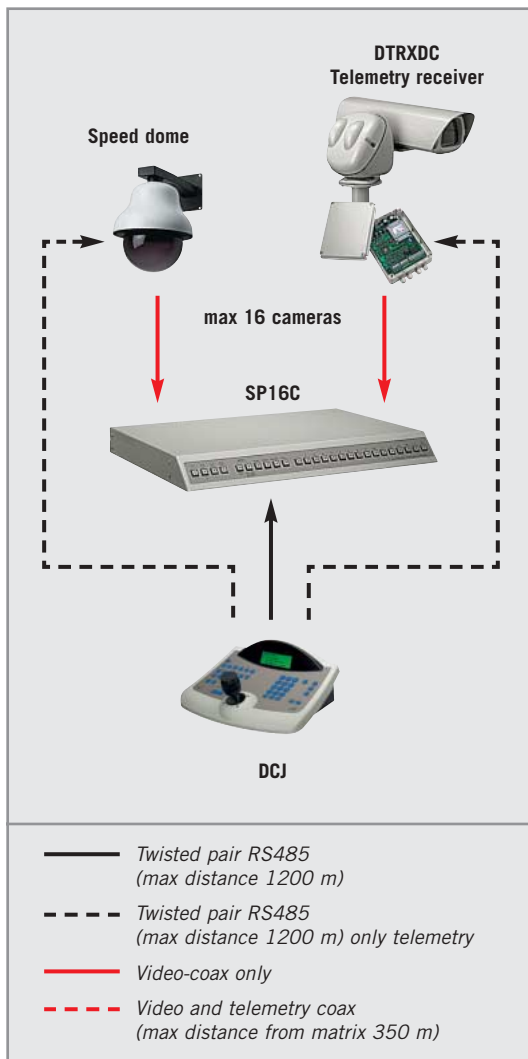


The SP16C digital video multiplexer can be used to connect and record up to 16 colour cameras with video signal looping. It is possible to view 16 live real time camera images simultaneously, choose between different multiscreen formats or display a single full-screen image.

For example, it is possible to record and contemporarily display the multiscreen format 12+1 with a live image and other images coming from the VCR playback (using two VCRs).

This considerably reduces costs and space compared to a traditional viewing and recording system for video signals coming from more than one camera.

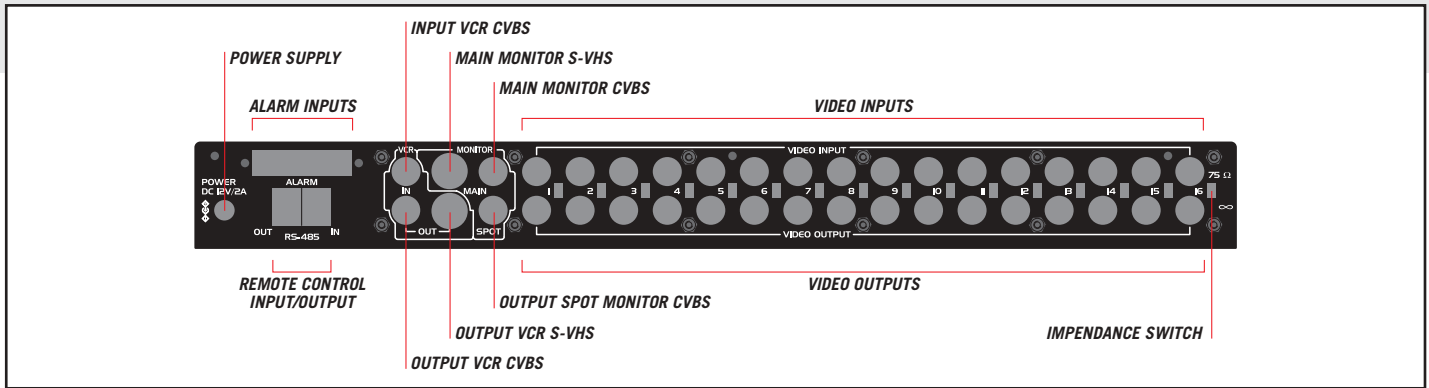
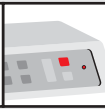
The possibility to control it remotely allows you to have a single keyboard capable to control the telemetry as well. Furthermore installing it with a video matrix SM series, it can be controlled by additional remote operators.



MODELS

SP16C

Digital colour multiplexer, triplex



TECHNICAL DATA

GENERAL

Resolution:

- 720x480 NTSC/EIA, 720x576 PAL/CCIR

Mux Frame rate:

- Full screen: 25 frame/sec
- 16 inputs multiscreen: 400 frame/sec. (25 frame/sec for each camera inputs)

- Input titles and display of date and time
- Addressable
- Modifiable date and time format
- Digital zoom: 2x
- A range of multi-screen formats: full screen, 2x2, 3x3, 12+1, 4x4
- Motion detection programmable for each input
- 1 main monitor CVBS output + 1 main monitor Y/C output
- 1 secondary monitor CVBS output
- 1 VCR CVBS output + 1 VCR Y/C output
- 1 VCR CVBS input
- 16 alarm inputs, which can be configured as normally open (NO) or normally closed (NC)
- Event list: up to 120 stored events (video loss or external alarm)
- Channel tuning: for each channel ability to adjust contrast, luminosity, colour
- 1 relay output with NO and NC contacts
- Alarm and/or breaks in communication buzzer
- Supplied with: instruction manual, wide range power supply pair of adapters for the rack mounting, alarm connector

MECHANICAL

- Metal enclosure
- Painted with epoxy polyester powder RAL7036
- Dimensions (LxAxP): 432,6x44,5x306,6 mm (17x1.75x12.05 in) (Rack 19 in, 1U)
- 32 female BNC connectors (video inputs + looping)
- 2 female BNC connectors (main monitor and spot out)
- 2 female BNC connectors (VCR in/out)
- 1 four poles Mini Din connector (main monitor out)
- 1 four poles Mini Din connector (VCR out)
- 1 female DB-25 connector
- 2 connectors RJ11
- 1 power supply jack connector
- 16 switches for camera input impedance selection

ELECTRICAL

Video inputs:

- 16 asynchronous cameras B/W or colour 1.0 Vp-p, 75 Ohm terminated or high impedance for loop, female BNC connector
- 1 input playback VCR CVBS 1.0 Vp-p, 75 Ohm terminated, female BNC connector

Video outputs:

- 1 output main monitor CVBS 1.0 Vp-p, 75 Ohm loaded, female BNC connector
- 1 output main monitor Y/C Y:1.0 Vp-p, C: 0.286 Vp-p, 75 Ohm loaded, four poles Mini Din connector
- 1 output spot monitor CVBS 1.0 Vp-p, 75 Ohm loaded, female BNC connector
- 1 output VCR CVBS 1.0 Vp-p, 75 Ohm loaded, female BNC connector
- 1 output VCR Y/C Y: 1.0 Vp-p, C:0.286 Vp-p, 75 Ohm loaded, four poles Mini Din connector

Motion detection:

- 16Hx12V (192-point grid)

Alarms and relay:

- 16 dry contact input alarms. Signal from +5 to +15VDC TTL/CMOS, female DB-25 connector
- 2 relay output NO and NC 0.5A/24VDC

Alarm duration:

- 1-99 seconds, programmable

Power supply:

- Power supply: IN 100-240VAC, 47/63Hz - OUT 12VDC, 2A
- Consumption: 25W

COMMUNICATIONS

- Serial RS485 input for direct control by DCK, DCJ and DCT keyboards or through video matrix SM series, max distance of 1200 m (3900 ft)

RELATED PRODUCTS

- DCK, DCJ and DCT keyboards
- SM series matrix (SM42A-82A, SM84A-164A, SM328A)

ENVIRONMENT

- Indoor
- Operating temperature: 5-45°C (41-113°F)
- Relative humidity: from 5 to 95% without condensation

COMPLIANCE TO

- CE according to EN 61000-6-3, EN 60950-1, EN 50130-4



Unit Weight (kg / lb):

SP16C without power supply: 3,5 / 7,7
SP16C with power supply: 4 / 8,8

Package Weight (kg / lb):

SP16C: 4,4 / 9,7

Package Dimensions (cm / in):

SP16C: 42x8x45,5 / 16.5x3.2x1.8

Master Carton (units):

SP16C: