

# Marine Video System Controller

The Synectics Marine Video System Controller (MVSC) has been specifically designed for vessels of all sizes.



The MVSC is capable of managing, viewing and recording up to 32 channels of analogue or IP video (64mbps total) with the option of expansion up to 64 channels utilising multiple MVSC units.

Operators are able to access the most important system elements quickly through large icons, a practical, uncluttered display and have the ability to customise layouts to suit operators' needs and priorities.

The MVSC is easy to install and suitable for any vessel type. It is a single rack unit that offers encoding, recording and control in a cost effective package.

## Features

- DNV Type Approval
- 19" (483 mm) 2RU Compact Design
- 5.4TB RAID-5 Usable Video Storage utilising Hot Swappable removable caddies
- Separate Internal Solid State Drive for Operating System
- 16 / 32 Composite via BNC paddle board or IP Video Inputs\*
- High Quality Composite Video Performance\*<sup>1</sup>
- Triple Network Interface Card (NIC)
- Windows Embedded Operating System
- MODBUS over IP interface option – allowing camera response to Fire & Gas or other process alarms
- Compatible with all Synectics streaming encoders and IP Camera stations including many 3rd party devices\*<sup>2</sup>
- ONVIF compliant support for 3rd party video encoders
- Built in Web based viewer / controller with video image transcoding capability – Ideal for monitoring images via VSAT or other limited bandwidth links

- Incorporates dual RS232/422/485 serial ports supporting a range of industry standard analogue camera protocols and NMEA alarm interfacing
- Synectics API support for 3rd party system integration, image viewing and control
- Full support for Synectics Display Wall devices and Synergy client workstations - bringing the power of Synergy to compact Marine systems
- Optionally the MVSC unit can also be used for encoding, recording and control as part of a larger Synergy Enterprise class system

**Benefits**

- USB connectivity allows easy transfer of video / reporting evidence
- Retains Synergy key features such as integration capabilities, user friendly interface
- Easy to Install
- Plug and Play Capability

## Specifications

CERTIFICATIONS / RATINGS	
Certifications / Ratings	DNV Type Approval

ENVIRONMENTAL	
Operating Temperature	10°C to 35°C 8-90% Non-condensing

MECHANICAL	
Mounting	19" 2RU High (89 mm)
Dimensions (W x D x H)	433 x 600 x 89 mm (not including BNC paddle board)
Weight	15.2 kg

ELECTRICAL	
Power Requirements	100 - 240VAC, 500W Power Supply Unit
Front Panel	Power On / Off Button, System Reset Button, 2x USB, Lockable Access
Visible Indicators	Power and HDD
Video Outputs	DVI-I, HDMI
Data Connectivity	8 x USB (2 x Front, 6 x Rear), 2 x RS232 / 422 / 485 9-way D-Type

HARDWARE	MVSC-16-PB	MVSC-32-PB	MVSC-16	MVSC-32
Processor	Intel Core i7, 3.4Ghz			
Memory	8GB			
Hard Disk Drive	60GB solid state HDD for OS and 5.4TB RAID 5 HDD array for video storage			
Network Controllers	Triple-port Ethernet Controller			
Composite Video Inputs*1	16 Channel BNC paddle board with high density SCSI cable and connector		Non Applicable	
Audio Input*3	Audio In / Out		Non Applicable	
Operating System	Windows 7 Embedded			

NOTE: \*1 1 Required for MVSC-16-PB, 2 required for MVSC-32-PB. \*2 Please contact Synectics for third party supporting streams detail.  
\*3 Paddleboard Only

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Specifications subject to change. E & OE.  
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