

PORTABLE SINGLE DIVER VIDEO SYSTEM SY-DIVER-VISION-1D



The Synergy Diver-vision-1D is a reliable, economical underwater video system, recording on a primary mini dvr with 32gb sd card and a secondary 1TB hard drive for storage /playback. A Usb port is provided to copy data on any drive. Video on/off and led light dimming control, along with port for connecting audio cable from diver radio, enabling integration of audio to the video files when recording dives. A Hdmi out port is provided for connection to client room / bridge etc (remote location access through hdmi cable)

15" TFT anti glare monitor provides crisp images for live video & playback, supplied with Outland Uwc-325/p/e camera and Uwl-401 light unit providing high quality pictures. The surface control unit is provided with a video typewriter (edit, playback, time/date, titles, comments can be superimposed on the dive videos being recorded).

A combined voltmeter / ampmeter with digital display is provided for user to know the incoming power at all times during operation of the system

The system is built to run on 220v ac power with adaptor or 12v battery power (from standard car battery). All the fittings for power video/light/comms are provided on the left side of the system, for hassle free connections, eliminating any cables running in front of the screen or interfering with the functions of the video system.



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Specifications	Single Diver Video System
Built in Pelican Case	The 1550 case has the following certificates: IP67 (Ingress Protection) = 1-meter submersion for 30 minutes, MIL C-4150J (Military Standard), Defense Standard 81-41/STANAG4280 and ATA 300 specifications for transit cases. Unbreakable, watertight, airtight, chemical-resistant, corrosion, and dustproof case
Dimensions	
Interior	18.6 x 14.2 x 7.7" / 47.2 x 36.1 x 19.6 cm
Exterior	20.6 x 17.2 x 8.4" / 52.32 x 43.69 x 21.34 cm
Colors	Orange, Yellow, Grey, Black
Monitor	15.5" TFT with remote built into lid of panel with 4 screen splitter
Primary recording	Mini Dvr with 32gb sd card (can be upgraded to 128gb)
Secondary recording	1TB backup hard drive records all diver video files
Surface Control Unit	Patented synergy / outland with video /light controls, usb interface for keyboard / video titler inbuilt
Connections	
Ac	220 V adapter to 12v provided
Dc	Battery terminals with leads (for standard car battery 12v,75 amps to be connected)
Power meter	Digital power meter to show remaining battery life
Keyboard	Flexible waterproof with usb connection
Mouse	Wireless mouse
Protection	Monitor plexiglass cover (to protect monitor damage)
USB out	For easy copying of files to usb drives/ laptop etc
HDMI out	For mirror images to be displayed in client room/bridge etc
On/Off	Main on /off switch

Maximum Weight	10 kgs
Warranty	One year international manufacturer warranty

Certifications	Provided with each system
International	IMCA D023
Manufacturer	Synergy Certificates
Electrical	Continuity/Function test

ORDERING INFORMATION	
SY-DIVER-VISION-1D	PORTABLE SINGLE DIVER VIDEO SYSTEMS

PORTABLE SINGLE DIVER VIDEO SYSTEM SY-DIVER-VISION-1D

Mechanical	Specification
Weight	6 oz (.2kg) Dry, 3 oz(.06kg) wet
Depth Rating	2000 ft (600m)
Housing	Black delrin
Electrical	
Image Device	1/3" CCD sensor (412k pixel)
Sensitivity	.001 lux @f1.4
Resolution	600 TV lines standard
Video Out	1.2 Vpp
Power	12 VDC @ 110 ma.
Optical	
Lens	3.6mm, Electronic-Iris
Focus	Fixed 4" to infinity
Angle of View	70 horz. (in water)



PART NO : SY-UWC-325/p/e



PART NO : SY-UWL-401

Mechanical	Specification
Weight	7oz(0.2kg) Dry, 3 oz.(.1kg) Wet
Depth Rating	2000 ft (600m)
Housing	6061-16 Anodized Aluminium
Electrical	
Power	12 VDC @ 110 ma.
Wattage	18 watt (Eq to 150 watt halogen)
Output	700 lux at 1 meter
Optical	
Lens	3.6mm, Electronic-Iris
Focus	Fixed 4" to infinity
Angle of View	70 horz. (in water)

Mechanical	Specification
Conductors	16ea #22 awg 1 RG-59 Coax
Length (mtrs)	100/150/200 as per requirement
Diameter	8.5mm (0.35")
Materials	Orange Polyurethane jacket
Breaking Strength	1200 lbs
End fittings	
Diver End	Moulded Y connection
Camera	Rmk-5-fs with locking sleeve
Light	Rmg-3-fs with locking sleeve
Surface end	Soldered connection
Cable	8 pin amphenol connector



PART NO : SY-VC-150M (length)

PART NO : SY-VC-100M (length)

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SINGLE DIVER VIDEO SYSTEM WITH VT (SY-SDVS-01-VT)

Connector	RMK-5-FS
Type	5 Female Sockets
Cable	18 in Pigtail of 18 SO AWG Cable
Material	Special Neoprene, Molded
Contacts	Copper Alloy, Hard Gold Plated per ASTM-B-488
Voltage Rating	600 VDC
Pressure Rating, Mated	Up to 20,000 psi
Mates with	XSL-5-BCL on Outland Camera UWC-325/p/e

PART NO : SY-RMK-5-FS



Locking sleeve for Rmk-5-fs

PART NO : SY-K-FLS-D

PART NO : SY-RMG-3FS



Locking sleeve for Rmg-3-fs

PART NO : SY-G-FLS-D

Connector	RMG-3-FS
Type	3 Female Sockets
Cable	18 in Pigtail of 18 SO AWG Cable
Material	Special Neoprene, Molded
Contacts	Copper Alloy, Hard Gold Plated per ASTM-B-488
Voltage Rating	600 VDC
Pressure Rating, Mated	Up to 20,000 psi
Mates with	XSG-3-BCL on Outland light UWL-401

Certifications	Provided with each system
International	IMCA D0 23
Manufacturer	Synergy Certificates
Electrical	Continuity/Function test






PART NO : SY-MS3108B-18-08P



Cannon Right Angle Amphenol Connector is used for connecting the video camera umbilical to the surface video console unit.

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