

PORTABLE THREE DIVER VIDEO SYSTEM



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

The Synergy Diver-Vision-3D is a compact and economical underwater video system designed for three-diver commercial diving operations. The system features independent video recording for each diver on individual 32 GB SD cards, with a shared 1 TB hard drive for backup storage and playback. Audio recording capability, HDMI output for remote viewing, and USB data transfer ensure efficient dive monitoring and documentation.

Supplied with a 15" TFT monitor, three underwater cameras, and three LED lights, the system delivers high-quality live video, recording, and playback for all divers.

The system operates on either 220V AC or 12V DC power and includes integrated video titling, digital power monitoring, and a user-friendly connection layout for efficient operation.

SPECIFICATIONS:

BUILT-IN CASE:

- Pelican 1550 case, IP67 rated, watertight & dustproof

DIMENSIONS:

- Interior: 54.4 x 41.9 x 20.1 cm, Exterior: 61.7 x 49.3 x 22.1 cm

WEIGHT: COLORS:

- 30 kg • Custom color available upon request.

PROTECTION:

- Plexiglass monitor cover

MONITOR:

- 15" TFT monitor with 4-screen splitter and lid-mounted control

PRIMARY RECORDING:

- Mini DVR with 32 GB SD card (upgradeable to 128 GB)

SECONDARY RECORDING:

- 1 TB backup hard drive for all diver video files

SURFACE CONTROL UNIT:

- Patented Synergy/Outland design with integrated video, light controls, and video titler

CONNECTIONS:

- USB interface for keyboard, mouse, & video titling functions

POWER SUPPLY:

- 220V AC adapter and 12V DC battery connection

POWER MONITORING:

- Digital voltmeter/ammeter display

INPUT DEVICES:

- Waterproof USB keyboard and wireless mouse

OUTPUTS:

- USB file transfer and HDMI remote display

INTERNATIONAL STANDARD:

- IMCA D023 & D018 compliant

TESTING:

- Continuity and function tested



Part No: SY-DIVER-VISION-3D



Call Us

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Email Us

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Visit Us

Al Qusais Industrial Area 1, Dubai.
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PART NO : SY-UWC-325/p/e

MECHANICAL	SPECIFICATION
Weight	1.77 lbs. (0.24 kg) air, 0.11 lbs. (0.05 kg) sea
Depth Rating	2000 m (6560 ft)
Housing	Black delrin
ELECTRICAL	
Image Device	1/2" Sony Sensor
Sensitivity	0.017 lux
Resolution	SD 4:3
Video Out	1.2 Vpp
Power	135 mA (typical) @ 12 VDC
OPTICAL	
Lens	3.6mm, Electronic-Iris
Focus	Fixed
Angle of View	60° Horizontal FOV (in air)



PART NO : SY-UWL-401

MECHANICAL	SPECIFICATION
Weight	0.48 lbs. (0.22 kg) air, 0.18 lbs. (0.08 kg) sea
Depth Rating	2000 m (6560 ft)
Housing	Anodized Aluminum
ELECTRICAL	
Power	20 Watts (typical)
Wattage	2500 lumens = 150 Watt Halogen
Output	1100 lux @ 1m
OPTICAL	
Lens	3.6mm, Electronic-Iris
Focus	Fixed
Angle of View	100° Bean Angle

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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PART NO : SY-RMK-5-FS

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



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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