

PORTABLE THREE DIVER VIDEO SYSTEM WITH COMMUNICATION SY-DIVER-VISION-3DR

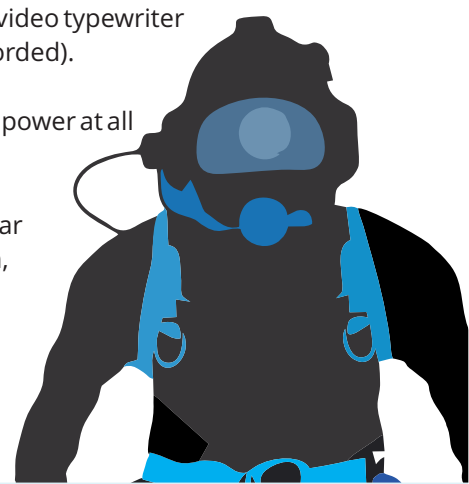


The Synergy Diver-vision-3DR is a reliable, economical underwater three diver video system, with each diver recording on individual primary mini dvr with 32gb sd card and a secondary 1TB hard drive for storage /playback. A usb port is for each diver video to copy data on any drive. Video on/off and led 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). A three diver amron radio is inbuilt for diver audio with cable provided for connection to video surface control unit.

15" TFT anti glare monitor provides crisp images for live video & playback, supplied with Outland Uwc-325/p/e camera and Uwl-401 light for each diver providing high quality pictures. Each 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 / ammeter 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	Three Diver Video System with communication
Built in Pelican Case	The 1600 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	21.4 x 16.5 x 7.9" / 54.4 x 41.9 x 20.1 cm
Exterior	24.3 x 19.4 x 8.7" / 61.7 x 49.3 x 22.1 cm
Colors	Orange, Yellow, Grey, Black
Monitor	15.5" TFT with remote built into lid of panel with 4 screen splitter
Primary recording for each diver	Mini Dvr with 32gb sd card (can be upgraded to 128gb)
Secondary recording (for all divers)	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
Communication	Three diver amron radio # 2830A-11

Maximum Weight	34 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-3D-R	PORTABLE THREE DIVER VIDEO SYSTEMS WITH COMMUNICATION

PORTABLE THREE DIVER VIDEO SYSTEM WITH COMMUNICATION SY-DIVER-VISION-3DR

AMCOM III Three-Diver Rechargeable Portable Communicator with Outdoor AC Power Module and International Locking Power Cord



PART NO : SY-2830A-11



NEWLY DESIGNED ENHANCEMENTS:

High Audio Fidelity

Ultra-low noise circuit combined with noise suppression circuitry produces crystal clear speech. Automatic gain adjustment will guard audio signal from distortion, enhance speaker protection and audio quality. Increases band width 47%.

Extended Battery Operation Time

Audio amplifier card deploys the state-of-the-art Class-D digital audio power amplifier. Has very low power dissipation, produces less heat, and extends battery life up to 32%.

Flexible Gain Settings

The audio amplifier card has adjustable gain settings to accommodate different communication applications and environments.

Ultra-Low Electromagnetic Interference (EMI)

EMI is achieved through spread-spectrum and de-phase control techniques providing for optimum integration with diving systems.

Outdoor Rated AC Power Module

Weather resistant, IP65 rated AC power entry module accommodates country specific AC power cords.

Country Specific V-Lock AC Power Cord

At time of order, simply choose the IP54 rated Locking AC power cord you need.

PORTABLE THREE DIVER VIDEO SYSTEM WITH COMMUNICATION SY-DIVER-VISION-3DR

FEATURES:

- Separate channels and volume controls for each diver and tender to accommodate individual earphone and microphone adjustments, equipment variations and individual comfort levels.
- Divers' umbilicals can be set to 4-wire mode (full duplex) or 2-wire mode (push-to-talk) or any combination of the two modes for any diver.
- Ability to use both dynamic and pre-amplified diver microphones with a unique circuit that detects microphone type and automatically adjusts volume levels.
- Weatherproof push-to-talk microphone for better voice intelligibility topside. For optimum clarity, see Tech Note (below) for other recommended equipment.
- Internal charger allows for simultaneous charging and operation of the unit while protecting the rechargeable battery from being over-charged. Automatically supplies power to the audio amplifier when AC power is disconnected to allow for continued operation.

SPECIFICATIONS:

- Input Impedance (Each Input): 250 Ohms
- Frequency Response: 300 - 10000 Hz
- Common Mode Rejection: 40 dB Minimum
- Current Drain Maximum Full Volume: 3 Amps
- Minimum Quiescent: 0.190 Amps
- Output Impedance: 4 Ohm
- Power Supply Voltage: 12 VDC Nominal (9 Volts Minimum - 16 Volts Maximum)
- AC Power Operating Range: 90-264 VAC, 50-60 Hz
- Sensitivity (Input): 5 mV
- Output Power (RMS @ 4 Ohm Load, 12 VDC): 10 Watts Audio
- Battery Life: 41 hours
- Dimensions: 10 in. H x 9 in. W x 14.5 in. L (25.4 cm x 22.9 cm x 36.8 cm)
- Weight: 17.05 Lbs. (7.73 Kg)

INCLUDED WITH COMMUNICATOR:

AMCOM™ III 2830A-11 Three-Diver Portable Communicator with AC Power, Internal Charger and Rechargeable Battery includes:

- (1) Amron 2405-28 Hand-Held Push-to-Talk Microphone
- (1) Amron 2890-05 12 VDC Sealed Lead Acid Gel-Cell Rechargeable Battery with Slide terminals
- (1) Amron 283XA-UM Three-Diver Portable Communicator User Manual

AVAILABLE OPTIONS:

- Amron 2460SM-28 Single Muff Operator Headset with Boom Mic and Dual Banana Plugs
- Amron 2401-28 Deluxe Headset with Boom Mic
- Amron 2822-28 Remote Walk-and-Talk (4-wire mode)
- Amron 2821-28 Remote Walk-and-Talk (2-wire mode)

POWER CORD 6.5 FT. OPTIONS:

TECH NOTE:

All communicators will inherently transfer topside noise to the divers when the tender speaks directly into the communicator's panel speaker. To eliminate background noise at the surface, use the 2405-28 Push-to-Talk Microphone, included with this model. For optimum communications, we recommend purchasing the 2401-28 Deluxe Headset with Boom Mic, topside. For tender mobility, use the 2401-28 Deluxe Headset with Boom Mic along with the 2822-28 Remote Walk-and-Talk (4-wire mode) or the 2821-28 Remote Walk-and-Talk (2-wire mode). For wireless tender communications, order the 2830A-03 Three-Diver Deluxe Portable Communicator with Wireless Tender.

PORTABLE THREE DIVER VIDEO SYSTEM WITH COMMUNICATION SY-DIVER-VISION-3DR

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)

PORTABLE THREE DIVER VIDEO SYSTEM WITH COMMUNICATION SY-DIVER-VISION-3DR

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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Contact us



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