

# INTOVA TOVATEC

*Inspired by Innovations*



*Lights, Cameras, Action!*



Torches | Cameras | Lighting | Accessories | Storage

## FLASHLIGHTS

Tovatec Lights offer compact and ergonomic designs with rugged waterproof construction. From the power of Meganova through the economical HL1, there is a Tovatec flashlight for every need. Modern LED technology allows for extra bright output and long burn times.

*IMPORTANT NOTE: Lightly lubricate O-rings with silicone grease prior to use and maintain lubrication at all times.*

### HIGH POWER BEAM

**Meganova**  
model# IMN6000



Meganova is an extremely bright 2000 lumen flashlight. The package includes a carry case, multi voltage/country AC charger set, flex arm adapter for video use and a diffuser. Meganova is like a portable spotlight and great for use in the water or on land when extreme brightness and carry distance are desired.

**Supernova Plus (1000 lumens)**  
model# ISN 1K



Supernova is a smaller version of Meganova with 1000 lumens brightness. Lighter and more compact, the Supernova includes all the features of Meganova in a smaller package.

**Search Light**  
model# SL1



Searchlight is a traditional flashlight design which utilizes 3 C batteries to deliver 800 lumens of brightness. The concentrated beam provides long carry distances and very bright illumination. The rubber hand grip and ergonomic design allow easy use under many circumstances. Diving, Security, Emergency Services and more.

### ZOOM TORCH

**IFL WA Zoom torch**  
model# IFL WA Zoom

IFL WA ZOOM is 3 flashlights in one. Zoom from concentrated to wide angle beam or remove the head for a diffused video light. 2 CR 123 batteries provide long burn times and 220 lumens of brightness.



### CONCENTRATED BEAM

**Ultra II torch**  
model# ULTRA II



Ultra II uses 6 AA batteries to provide 220 lumens of brightness. The concentrated beam provides long carry distances and is activated by a magnetic slide switch. A popular flashlight in or out of the water.

**IFL 660 torch**  
model# IFL 660



IFL 660 is a classic Tovatec flashlight design. 2 CR 123 batteries provide long burn times and 220 lumens of brightness. Its compact design, magnetic slide switch and concentrated beam design make this one of our most popular torches.

**IFL 550 torch**  
model# IFL 550



IFL 550 is a new and ergonomic design which utilizes 3 AAA batteries to deliver 220 lumens of brightness. The magnetic slide switch and concentrated beam, along with compact size make this torch a top performer.

Designed for Professionals, Tovatec Lights offer unique designs, powerful performance and rugged construction. Sports, Military, Police, Rescue and Security customers around the world rely on Tovatec for Lighting performance.

**IMPORTANT NOTE:** Lightly lubricate O-rings with silicone grease prior to use and maintain lubrication at all times.

### WIDE ANGLE BEAM

#### Tactical Light model# ITAC



ITAC was designed for the US Army as a rifle mount tactical light. 1" body diameter is compatible with most Picatinny rails. The silent tail switch allows full power, 30% for document reading and emergency strobe. The wide angle beam provides maximum coverage area and also allows this flashlight to double as a video light.

#### Mini torch model# IMINI



IMINI is our widest beam angle flashlight. Its very small size and 220 lumen output make this a popular option for POV camera video lighting. The wide beam angle has also proven popular with commercial divers with close up lighting needs.

### POPULAR SERIES

#### Compact torch model# ICOM



ICOM is our most popular flashlight. Compact size, 3 AAA batteries, 130 lumens of brightness and an attractive price point combine to make this our best seller.

#### H2O Man Light model# HL1



HL1 is our most economical flashlight. 4 AAA batteries and a simple waterproof design with a plastic housing provide worry free operation in an economy model. Great as a back up dive light or spare light in any environment.

### SPECIAL FEATURE FLASHLIGHT

#### Utility Light - model# UTIL

UTIL is the most unique flashlight in our range. Its bendable head provides usage options for safety workers, mechanics, engineers and recreational users. UTIL can stand up on its base, be mounted to a helmet or attached to clothing. 3 AAA batteries provide 220 lumens of brightness in a very concentrated beam.



## FLASHLIGHT SPECIFICATIONS

**IMPORTANT NOTE:** Lightly lubricate O-rings with silicone grease prior to use and maintain lubrication at all times.

	HIGH POWER BEAM			ZOOM TORCH	CONCENTRATED BEAM		
FLASHLIGHT / MODEL#	Meganova / IMN6000	Supernova Plus/ ISN 1K	Search Light / SL1	IFL WA Zoom torch / IFL WA Zoom	Ultra II torch / ULTRA II	IFL 660 torch / IFL 660	IFL 550 torch / IFL 550
LUMENS	2000 lumens	1000 lumens	800 lumens	220 lumens	220 lumens	220 lumens	220 lumens
LED	(3) CREE XM-L	(3) CREE XM-L T6	(1) CREE XM-L	(1) CREE	(1) CREE Q5	(1) CREE	(1) CREE
LED LIFETIME	35,000 hours	35,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
BATTERY TYPE	Rechargeable Li-ion battery	Rechargeable Li-ion battery	(3) "C" batteries (not included)	(2) "CR123" batteries (included)	(6) "AA" batteries (not included)	(2) "CR123" batteries (included)	(3) "AAA" batteries (not included)
BURN TIME	2 hours	2 hours	7 hours	8 hours	7 hours	8 hours	4 hours
SWITCH	Magnetic push: Full / 30% / strobe	Magnetic push: Full / 30% / strobe	Magnetic tail: Full / 30% / strobe	Magnetic Slide	Magnetic slide	Magnetic slide	Magnetic slide
BEAM ANGLE	32 degrees	40 degrees	8 degrees	9-45 degrees (via sliding zoom head)	14 degrees	7 degrees	7 degrees
DEPTH RATING	400 feet / 122 meters	400 feet / 122 meters	400 feet / 122 meters	400 feet / 122 meters	400 feet / 122 meters	400 feet / 122 meters	400 feet / 122 meters
USE AS VIDEO LIGHT	Yes	Yes	-	Yes	-	-	-
MATERIAL(S)	Anodized aluminum	Anodized aluminum	Anodized aluminum	Anodized aluminum	Anodized aluminum	Anodized aluminum	Anodized aluminum
COLOR TEMP	6000 ~ 7000K	6000 ~ 7000K	6000 ~ 7500K	5000 ~ 6000K	6000 ~ 7000K	6000 ~ 7000K	6000 ~ 7000K
WEIGHT (including batteries)	49.4 oz / 1400g	31.74 oz / 900g	14.5 oz / 411g	8.4 oz / 238g	17.8 oz / 505g	8.2 oz / 233g	10.4 oz / 294g
DIMENSIONS	(8.0 x 3.5 x 5.3) in (20.2x8.9x13.5)cm	(7.3 x 2.7 x 4.3) in (18.6x6.9x10.8)cm	(9.8 x 2.3) in (24.9 x 5.8)cm	(6.25 x 1.5) in (15.9 x 3.8)cm	(8.25 x 1.8) in (21 x 4.6)cm	(6.2 x 1.5) in (15.8 x 3.8)cm	(6.1 x 1.5) in (15.5 x 3.8)cm

	WIDE ANGLE BEAM		POPULAR SERIES		SPECIAL FEATURE LIGHT
FLASHLIGHT / MODEL#	Tactical Light / ITAC	Mini torch / IMINI	Compact torch / ICOM	H2O Man Light/ HL1	Utility Light / UTIL
LUMENS	220 lumens	220 lumens	130 lumens	15 lumens	220 lumens
LED	(1) CREE	(1) CREE	(1) CREE	(5) LED array	(1) CREE XPG
LED LIFETIME	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
BATTERY TYPE	(2) "CR123" batteries (included)	(2) "CR123" batteries (included)	(3) "AAA" batteries (not included)	(4) "AAA" batteries (not included)	(3) "AAA" batteries (not included)
BURN TIME	8 hours	5 hours	6 hours	6 hours	4 hours
SWITCH	Magnetic Tail Full/30%/strobe	Magnetic Tail Full/30%/strobe	Magnetic Tail Full/30%/strobe	On/Off Twist	Magnetic Tail Full/30%/strobe
BEAM ANGLE	43 degrees	53 degrees	12 degrees	27 degrees	23 degrees
DEPTH RATING	400 feet / 122 meters	400 feet / 122 meters	400 feet / 122 meters	100 feet / 30 meters	IPX4 water resistant
USE AS VIDEO LIGHT	Yes	Yes	-	-	-
MATERIAL(S)	Anodized aluminum	Anodized aluminum	Anodized aluminum	Plastic	Anodized aluminum, nylon
COLOR TEMP	6500 ~ 7500K	6000 ~ 7000K	6500 ~ 7500K	-	6000 ~ 7500K
WEIGHT (including batteries)	6.5 oz / 184g	6.5 oz / 184g	6.5 oz / 184g	4.0 oz / 113g	6.2 oz / 176g
DIMENSIONS	(6.0 x 1.4) in (15 x 3.6)cm	(4.9 x 1.4) in (12.5 x 3.6)cm	(5.5 x 1.4) in (14 x 3.6)cm	(5.1 x 1.5) in (13 x 3.8)cm	(5.9 x 1.4) in (15 x 3.6)cm

## FLASHLIGHT ACCESSORIES



### Torch Adapter model# TA6

Turn your IFL WA Wide Angle, IFL WA Zoom or ITAC Tactical torch into an underwater video light. Adapter allows torch to be attached to Intova Pod or flex arm.



### Intova Pod model# INTPOD

The most unique and flexible mounting option on the market. IP can twist around a branch, railing, beam or many other support options. It can be coiled at the base and used as a unipod or straightened and used as an extension pole. Safe to use in any environment, even underwater, the IP features a standard tripod mount and flex arm head which can be attached to cameras, flashlights, video lights and more. Requires optional adapter to mount flashlight or video light.

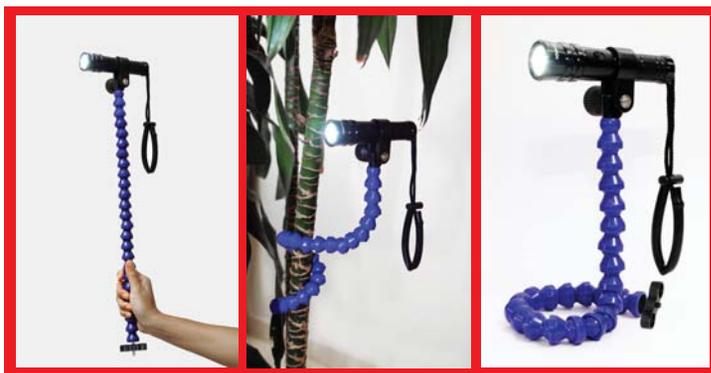
### Torch Adapter Mini model# TAM



Turn your Mini torch into an underwater video light. Adapter allows torch to be attached to Intova Pod or flex arm.

### Tovatec CR123 Lithium 3.0V 1400mAh Batteries model# IT123

- High performance lithium
- Safety control circuit
- 3 volt



### Torch Handstrap model# HST10

Soft Velcro strap securely attaches ULTRA, IFL WA Wide Angle, IFL WA Zoom, IFL 660, IFL 550, ITAC Tactical, and ICOM flashlights for hands free use of light. Strap is adjustable so one size fits all.



### Utility/Fire Helmet Mount model# FIRE HM

Allows your Fire / Utility light to be mounted on a safety helmet such as a fireman's helmet or hard hat. At right are two views showing mounting and adjustment screws.



### Silicone Grease model# SS IGRS

Lubricant for O-rings in camera's waterproof housing or torch. Helps provide a secure seal against water leakage. Some industrial silicone lubricants contain minerals that can cause O-rings to expand, crack or otherwise be damaged. Use Intova's Silicon Grease for safe results-guaranteed!!"



## SPORT HD: POINT OF VIEW CAMERA

Point of View cameras are an explosive new category in photo/videography and Sport HD represents the newest generation. Designed to be used while enjoying a wide range of activities, POV cameras are documenting incredible vistas and exploits. In addition to a quality camera, mounting accessories are a key component of success in POV videography. Sport HD accessories all utilize a standard tripod mount so they are compatible with Intova and most other camera brands on the market.

**IMPORTANT NOTE:** Lightly lubricate O-rings with silicone grease prior to use and maintain lubrication at all times.

# Sport HD

1080p HD



## Waterproof HD Video Sports Camera

- HD 1080p VIDEO
- LCD SCREEN INCLUDED: 1.5" TFT LCD
- FULL FUNCTION CONTROLS:  
Control all camera functions through housing-anytime
- WIDE ANGLE LENS:  
140 degrees for widest angle with least edge distortion
- WIDE, FLAT LENS PORT:  
Use in or out of water with no adapter needed
- TREATED LENS PORT:  
combined with width for minimal water beading
- WATERPROOF TO 200', 60 meters
- STANDARD TRIPOD MOUNT SYSTEM

### SPECIFICATIONS

Video Resolution	1080p HD (30fps), 720p HD (30fps), WVGA1 (60fps), WVGA (30fps), VGA(30fps)
Video Codec	H.264
Video File Type	MOV (Quick Time Movie)
Photo Resolution	12MP, 8MP, 5MP, 3MP
Photo File Type	JPEG
Digital zoom	all modes except 1080p
Lens	140 degree wide angle
Depth Rating	Waterproof to 200 ft / 60m
Monitor	1.5" TFT LCD
Power	Built in 1400 mAh Li-ion rechargeable battery
Battery Life	Recording time 2.5 hours @ 1080p with LCD off

Video/still image flip	Flips image over when camera is held upside down.
Burst mode	3, 5 or 10 photos
Effects	Art, Sepia, Negative, Monochrome, Vivid
Memory	Support micro SD card up to 32 GB
Ports	TV Mini out, Micro USB
Flotation	Camera Floats
Housing	Polycarbonate with UV injection, Patented Unibody design
Controls	Full function control buttons
Dimensions	(7 x 8.4 x 6) cm / (2.8 x 3.3 x 2.4) inches
Weight	170g / 6.0 oz
Model#	SP1

[www.intova.net](http://www.intova.net)

All products and specifications subject to change without notice.

## Sport HD Accessories

Compatible with standard tripod mounts: Canon, Nikon, Sony, Fuji, Pentax, Olympus, Intova and other cameras.

### Filters for SP1 (slip on)

**Red Filter, model# IFRED SP1:** The color red only carries 15-20 ft underwater. At depths below this, reds become washed out. Using the 52mm slip-on filter for Sport HD puts the red spectrum back into your underwater imagery.



**UV Filter, model# SPUV:** 52mm slip-on UV filter used to protect lens.



**Neutral Density Filter, model# SPND2:** 52mm slip-on 2 stop neutral density filter used in bright sunlight.



### Sport HD Surf Plug Mount model # SP-PM

Surfboard mount compatible with FCS™ fin box systems.



### Surf Board mount model # SBM

Secure adhesive mounting plate with leash attachment. Quick Release Pivot Post with Secure Lok for adjustable view angles.



### Silica Sticker model# SSTKR

Silica Gel sticker attached inside waterproof camera housing absorbs moisture to prevent fogging. Package contains 5 stickers.

### Adhesive Mount model# ADMT

Features quick release mount, large, small, flat and curved adhesive pads for mounting a camera to various helmet types or other surfaces.



### Suction Cup mount model# SCM

Attaches camera to car windshield, windows, or other flat surfaces. Multiple pivot points, Secure Lok mount and easy release suction cup.



### Chest Strap model# CS

Multi adjustable straps and Secure Lok mount allows camera to be worn on chest for a variety of activities. Quick release base for hand held camera use.



### Intova Pod model# INTPOD



The most unique and flexible mounting option on the market. IP can twist around a branch, railing, beam or many other support options. It can be coiled at the base and used as a unipod or straightened and used as an extension pole. Safe to use in any environment, even underwater, the IP features a standard tripod mount and flex arm head which can be attached to cameras, flashlights, video lights and more. Requires optional adapter to mount flashlight or video light.



### Bar / Pole mount model# HBM

Swivel head allow use in vertical or horizontal position. Mount on handlebar, ski pole, paddles etc. Secure Lok mount, stainless steel adjustmentscrews and rubber damper.

### Helmet mount model# HEL MT2

Adjustable straps, quick release mount, flat and curved adhesive systems for mounting camera to various helmet types or other surfaces.



### Helmet Mount3 model# HEL MT3

Features adjustable straps, quick release mount, large, small, flat and curved adhesive pads for mounting a camera to various helmet types or other surfaces.



### Camera Hand Strap model# CHS

Fully adjustable, this comfortable strap allows a camera to be securely mounted on your hand. The SPHS utilizes neoprene and nylon construction for use in any environment; even underwater. Includes a quick release shoe.



## Sport HD Accessories: continued

Compatible with standard tripod mounts: Canon, Nikon, Sony, Fuji, Pentax, Olympus, Intova and other cameras.

### White Balance Wrist Band model# WBWB

This photographers tool includes a white balance board, signal mirror, 2 double sided writing slates and a pencil. All items are conveniently carried in sleeves with retractable cords on an adjustable Velcro/neoprene wristband. Set your white balance and take notes on your photos and other dive parameters.



### Base Tray Double Handle model# BTD

Base Tray Double is designed as a universal light mounting system. The foam cushioned handle width is adjustable for different size housings and the tripod mount screw will fit most popular housings. The top of the handles have an adapter for either flex or ball arm systems. Anodized aluminum construction for light weight and durability.



### Base Tray Single Handle model# BTS

Base Tray Single is designed as a universal light mounting system. The foam cushioned handle with tripod mount screw will fit most popular housings. The top of the handle has an adapter for either flex or ball arm systems. Anodized aluminum construction for light weight and durability.



### Tripod to Tripod Mount model# TTM

Featuring a standard 1/4" tripod thread on each side, the adapter allows flexibility in mix and matching mount accessories or mounting a POV camera to a standard Photo housing. Stainless steel and plastic construction are suitable for underwater use and each side has a locking mechanism for secure attachment.



### Camera U Connector model# CUC

Featuring a standard 1/4" tripod thread to attach camera to Flex arm.



## COMING SOON!!

### Tripod Mount Adapter model# TMA



Tripod Mount adapter: adapts Go Pro style bases for use with standard 1/4 camera tripod threads.

### Universal Adapter - USB Charger model# USB-CH



Compact design provides AV adapters for global usage and 2 USB charging ports with 5v 1000mah output. Adapts plugs in over 160 countries and allows 2 USB devices to charge at the same time.

IMPORTANT NOTE: USB-CH is not a voltage transformer-it is only a plug adapter. Make sure your device is multi voltage before use in foreign countries.

### INTOVA DIGITAL CAMERAS

Intova has created a new standard in affordable Sports Photography. High quality, full featured cameras with rugged waterproof housings at unmatched price points. The range provides unique options for Recreational Photography. Cameras can be removed from housings for traditional usage or kept in housings for wet and wild photo occasions. Polycarbonate housings feature dual O-ring design, secure locking mechanisms and full function controls. From the top of the mountains to deep in the sea, Dare to Take them Anywhere!!

**IMPORTANT NOTE: Lightly lubricate O-rings with silicone grease prior to use and maintain lubrication at all times.**

## CP9



### Intova's 9MP Digital Sports Camera



CP9 Digital Sports Camera: Intova's compact 9MP camera with waterproof housing rated to 130 feet/39 meter depth. The durable polycarbonate housing is compact enough to fit in a shirt pocket and features a unique shock absorbent liner along with dual O-ring design, full feature button control and cam lock closure system. The camera features a CMOS sensor for improved video performance, 4x digital zoom, 2.5 inch LCD monitor and a full range of shooting modes. The CP9 uses an SD memory card up to 8GB and is powered by 2AAA batteries. Model# CP9.

#### CP9 ENHANCED FEATURES

- VGA VIDEO
- BUILT IN FLASH FOR STILL PHOTOS
- LCD SCREEN INCLUDED: 2" TFT LCD
- SHOCK ABSORBENT LINER
- FULL FUNCTION CONTROLS:  
Control all camera functions through housing-anytime
- WATERPROOF TO 130', 39 meters
- STANDARD TRIPOD MOUNT SYSTEM

## IC14



### Intova's 14MP Digital Dive Camera



Intova's IC14 digital camera with waterproof housing features a 1/2.33" 14 megapixel CCD image sensor for high resolution photography, 1/2000th second fast shutter speed and an enhanced Digital Signal Processor. This model is ideal for capturing fast moving subjects underwater. With up to 720p HD video resolution, the IC14 provides exciting and fun opportunities in capturing action and adventures. Other camera features include 5X Optical Zoom/6x Digital Zoom, 2.7" LCD and Lithium ion battery that does not require removal for recharging via USB cable. The IC14 uses SDHC memory cards up to 32 GB (not included). The newly designed sleek external housing is waterproof to 180 feet/54 meters and features dual O-rings to provide extra leak protection and 52 mm lens barrel thread that allows for addition of filters and other accessories. Model# IC14.

#### IC14 ENHANCED FEATURES

- 14MP CCD Sensor
- 2.7" full color TFT LCD
- 5x Optical / 6x Digital Zoom
- 720p HD Video
- Compact Design
- Easy Operation
- Manual / Auto White Balance
- Li-ion Rechargeable Battery
- Up to 32GB SD (optional)

[www.intova.net](http://www.intova.net)

**IMPORTANT NOTE:** Lightly lubricate O-rings with silicone grease prior to use and maintain lubrication at all times.

# SnapSights! SS-1000



## WATERPROOF VIDEO CAMERA

SS-1000's unique and patented design is in a class of its own. Video quality is amazing for the price and still photos are a Snap. The rugged housing is waterproof to 100 feet and compact enough to easily fit in a shirt pocket. Its ready to use out of the package with batteries preinstalled and enough onboard memory for several minutes of video or approximately 90 still photos. Upgrade the memory with Micro SD card up to 16GB. The low cost makes SS-1000 a perfect option for Camping, Hiking, Skiing, Fishing, Boarding, Boating, Biking, Kids and more.



**SS-1000 Sports Mount**  
Provides tripod mount system for use with handlebar, helmet and other mount options.

# SnapSights!

## REUSEABLE SPORTS UTILITY CAMERAS LOW COST, GREAT PERFORMANCE, READY TO USE AND REUSE

**SS01 Reusable Sports Waterflash 100'**: This tough and durable film camera allows price points comparable to disposable camera models. The camera is preloaded with film, ready to use and can be reloaded easily with standard 35mm film. SS01 can be used above/below water, indoors/outdoors, night or day. Its unique features make it a perfect camera for a wide range of sports activities including: Diving, camping, kayaking, fishing, hiking and more! Each camera is individually pressure tested at the factory to 100 feet. Other tests include flash and winding operation. Model #SS01



**SS04 Reusable Sports Waterproof 25'**: This inexpensive yet tough and durable waterproof model is designed for use in daylight conditions. Its compact size, rugged and waterproof design make it an ideal camera for snorkeling, skiing, fishing, boarding, surfing, etc. Rigorous quality control at the factory is one reason we are industry leaders in low return rates and customer satisfaction. Model #SS04



## CAMERA SPECIFICATIONS

	SPORTS		DIVE	FUN		
CAMERA MODEL	SPORT HD SP1	CP9	IC14	SS 1000	SS01	SS04
TYPE	Digital	Digital	Digital	Digital	Film: 27 exp	Film: 27 exp
VIDEO RESOLUTION	1080p	VGA	720p	VGA	-	-
PHOTO RESOLUTION	5 MP	9 MP	14 MP	1.3 MP	-	-
ZOOM	4x digital <small>(except 1080p mode)</small>	4x digital	5x optical / 6x digital	4x digital	-	-
MACRO	-	Yes	Yes	-	-	-
POWER	Rechargeable Li-ion battery	(2) "AAA" batteries (included)	Rechargeable Li-ion battery	(2) "AAA" batteries (included)	(1) "AA" battery (included)	-
MEMORY	Up to 32GB Micro SD card (optional)	Up to 8GB SD card (optional)	Up to 32GB SD card (optional)	Up to 16GB Micro SD card (optional)	-	-
DEPTH RATING	200 feet / 60M	130 feet / 39M	180 feet / 54M	100 feet / 30M	100 feet / 30M	25 feet / 8M
LCD MONITOR	1.5" TFT LCD	2.5" TFT LCD	2.7" TFT LCD	1.4" STN LCD	-	-
AUDIO	Yes	Yes	Yes	-	-	-
MATERIAL(S)	Polycarbonate with UV injection	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
WEIGHT	6.0 oz / 170g	9.5 oz / 269g	16.5 oz / 468g	4.4 oz / 125g	9.7 oz / 275g	6.3 oz / 178g
DIMENSIONS	(2.8x3.3x2.4) in (7x8.4x6)cm	(3.7x5x2.2) in (9.4x12.7x5.6)cm	(4x5.3x3.8) in (10.2x13.5x9.7)cm	(2.5x4.3x1.5) in (6.4x10.9x3.8)cm	(3.3x5.6x2.5) in (8.4x14.2x6.4)cm	(1.8x4.8x1.6) in (4.6x12.2x4.1)cm

### CAMERA ACCESSORIES

#### Camera U Connector model# CUC



Featuring a standard 1/4" tripod thread to attach camera to Flex arm.



#### Intova Pod model# INTPOD



The most unique and flexible mounting option on the market. IP can twist around a branch, railing, beam or many other support options. It can be coiled at the base and used as a unipod or straightened and used as an extension pole. Safe to use in any environment, even underwater, the IP features a standard tripod mount and flex arm head which can be attached to cameras, flashlights, video lights and more. Requires optional adapter to mount flashlight or video light.

#### Silica Sticker model# SSTKR



Silica Gel sticker attached inside waterproof camera housing absorbs moisture to prevent fogging. Package contains 5 stickers.

#### Red Filters

The color red only carries 15-20 ft underwater. At depths below this, reds become washed out. The red filter puts the red spectrum back into your underwater photos. Available in 3 sizes: 46mm or 52mm thread mount for Intova and other brand camera waterproof housings and an 87.5mm slip-on for the Intova Wide Angle Lens. 46mm is model# IFRed, 52mm is model# IFRED 52, and 87.5mm is model# IFRED WAL.



#### Intova Wide Angle Lens model# IWAL



Expand your photo taking possibilities with the new INTOVA wide angle lens that can be installed and removed underwater. The updated wide angle lens features glass optics designed in Japan. A much wider rear lens and inclusion of 46mm and 52mm thread mount adapters makes this a universal lens that will fit INTOVA waterproof housings and other camera makes that have 46mm, 52mm or 67mm thread mounts.

##### Specifications

- Thread mount: 67mm (46mm and 52mm with adapters)
- Construction: 2 groups/2 elements
- Material: Optical glass lenses / Aluminum alloy barrel
- Magnification: 0.65x
- View Angle: 75 deg underwater / 87 deg above water
- Weight: 350g
- Depth rating: 50 meters



#### Intova Air Lens model# IAL

Accessory wide angle lens for macro photography that can be used with Intova and other brand camera housings with 46mm thread mount that uses air as an optical element and works only when immersed underwater.

##### Specifications:

- 1) lens construction – 2 groups, 2 elements
- 2) depth rating – 160ft/50m
- 3) magnification – 0.75x
- 4) material – hard coated plastic lens and polycarbonate/ABS body
- 5) weight – 176g
- 6) dimensions – 105mm x 43mm

#### White Balance Wrist Band model# WBWB

This photographers tool includes a white balance board, signal mirror, 2 double sided writing slates and a pencil. All items are conveniently carried in sleeves with retractable cords on an adjustable Velcro/neoprene wristband. Set your white balance and take notes on your photos and other dive parameters.



#### Helmet Mount3 model# HEL MT3

Features adjustable straps, quick release mount, large, small, flat and curved adhesive pads for mounting a camera to various helmet types or other surfaces.



#### O-Ring Removal Tool model# ORT

Safely removes O-rings from camera's waterproof housing for replacement or maintenance.



#### SS-1000 Sports Mount model# SPM

Provides a tripod mount system for use with helmet and other mount options. For use with SnapSights SS-1000 camera.



#### IC14 Flash Diffuser model# IC14 DFSR



Snap on IC14 flash diffuser will help reduce backscatter and eliminate shaded areas caused by the lens barrel blocking flash. IC14 diffuser is model# IC14 DFSR. Also available for: IC600 - model# IFD, IC800/IC10 - model# IC800/IC10 DFSR, IC12 - model# IC12 DFSR

#### Intova Camera Float Strap model# ICFS-Red



Attaches to waterproof camera housings and provides additional bouancy to keep camera afloat. Red float loop can also be secured around wrist or arm.

#### Camera Care Kit model# CCK

Convenient set contains silicone grease, silica gel paks, blower brush, lens cleaner, lens cloth, O-ring removal tool, silicone grease applicators and cleaning swabs. Model# CCK



#### Leak-Sorb model# LS1



Provides 3 in 1 protection for a camera in its waterproof housing. Absorbs moisture, reduces fogging, and keeps stored camera and housing dry. Contains 5 packets with each packet able to absorb up to 25g of moisture. If there's a leak, simply replace with a new Leak-Sorb packet.

#### Silicone Grease model# SS IGRS



Lubricant for O-rings in camera's waterproof housing or torch. Helps provide a secure seal against water leakage. Some industrial silicone lubricants contain minerals that can cause O-rings to expand, crack or otherwise be damaged. Use Intova's Silicon Grease for safe results-guaranteed!!

#### Silica Beads model# SS IGEL



Install in the camera's housing for prevention of condensation. The package contains five gel packs. Replace with new pack as needed to insure optimal performance.

### INTOVA STROBE

**IMPORTANT NOTE:** Lightly lubricate O-rings with silicone grease prior to use and maintain lubrication at all times.

#### Intova Strobe Head - diffuser included model# ISS 4000



Sleek and powerful, the ISS 4000 provides great strobe performance in a compact size. 4 preflash settings allow the ISS 4000 to work with virtually all cameras. The power knob adjusts anywhere between 10-100% for precise output power. Recycling time between flashes is blazing quick and the diffuser is included with strobe.

#### Specifications

- Powerful 42 Watt-second flash-tube, generating a guide number of 20m (ISO 100) in air.
- Color temperature of 5400° Kelvin.
- With 4 pre-flash settings.
- Continuous brightness control from 10% to full-power.
- Operates on 4 x AA batteries, approx 240 flashes at full power.
- Fast recycle time (almost instantaneous for brightness 50% or less).
- Slave sensor with receptacle for standard 7mm optical fiber adapter.
- Beam angle about 60 degrees horizontal without diffuser, 80 degrees horizontal with diffuser.
- Diffuser included for close-ups.
- Depth rated to 180 feet/55m.
- Weight: 1 lb 8 oz/0.68kg with batteries loaded.
- Size: 6.5 in x 4.7 in x 4.9 in/  
165mm x 120mm x 125mm.

#### ISS 4000 lighting system assemblies

Systems can be configured in a double arm assembly with 2 strobes, as shown, or a single arm assembly with 1 strobe. All parts and camera are sold separately.



Shown above is lighting system assembled with two ISS 4000, one SSFL (comes with an FA30 arm), one SSMR, and one additional FA30.



Shown above is lighting system assembled with two ISS 4000, one BTM, and two FA18.

### INTOVA STROBE and LIGHTING ACCESSORIES

#### Fiber Optic Cable model# PX35

Easy Velcro attachment for slave strobe activation. Particularly useful in ultra clear water where light from internal (on camera) flash can dissipate rapidly and not activate a slave strobe. Fiber optic cable is connected between an Intova slave strobe and the camera (by placing Velcro pad on the waterproof housing in front of or near the on-camera flash). Model# PX35 for Intova strobe ISS 4000.



#### Stay Slim with Flex Arm model# SSFL

Simple and universal, the SSFL kit consists of a base stay with standard tripod screw and a 30 cm (11.8 inch) flex arm for mounting strobes or video lights to an underwater camera housing. The tripod screw is adjustable and will fit virtually all housings using a tripod screw mount system. The versatile flex arm allows full range flexibility for variable lighting angles.



#### Base Tray Double Handle model# BTD



Base Tray Double is designed as a universal light mounting system. The foam cushioned handle width is adjustable for different size housings and the tripod mount screw will fit most popular housings. The top of the handles have an adapter for either flex or ball arm systems. Anodized aluminum construction for light weight and durability.

#### Base Tray Single Handle model# BTS

Base Tray Single is designed as a universal light mounting system. The foam cushioned handle with tripod mount screw will fit most popular housings. The top of the handle has an adapter for either flex or ball arm systems. Anodized aluminum construction for light weight and durability.



#### Stay Slim Extra Arm model# SSMR

Optional arm that allows the SSFL to become a double mount system for extra lighting options. Two stainless steel screws are included to allow the SSMR to mount directly to the SSFL for an inexpensive and functional double tray system.



#### Flex Arm

##### Model# FA18



##### Model# FA30



Quality flex arms in either 18cm / 7.1 in (model# FA18) or 30 cm/11.8 in (model# FA30) lengths. Universal base tray attachment will work with most base tray systems. Full flexibility for a variety of light mounting options. Plastic construction for longevity and resistance to rust or corrosion.

#### Video System Lighting

A low cost and practical video light system can be assembled using an SSFL (comes with an FA30 arm), SSMR, an additional flex arm and two torch adapters mounting Intova Wide Angle, Mini or Supernova wide beam torches. All parts and camera sold separately.



#### Torch Adapter Mini model# TAM



Turn your Mini torch into an underwater video light. Adapter allows torch to be attached to Intova Pod or flex arm.

#### Torch Adapter model# TA6



Turn your IFL WA Wide Angle, IFL WA Zoom or ITAC Tactical torch into an underwater video light. Adapter allows torch to be attached to Intova Pod or flex arm.

#### Accessory Bag model# SBAB-1

All purpose nylon briefcase style bag. Multiple interior compartments are adjustable for a wide range of equipment options. Perfect for camera and accessories, strobes and lighting system accessories, portable DVD, laptop computer or video games. Comes with a handstrap and adjustable shoulder strap. Dimensions: (13.5" W x 10.5" H x 5.5" D).



#### Night Lights model# NLW, NLB, NLG, & NLR

Colored blinking lights identify night divers. Wet switch automatically turns lights on when submerged. Average burn time 200 hours. Available in red (model# NL R), green (model# NL G), blue (model# NL B), and white (model# NL W). Sold separately.



# INTOVA

*Inspired by Innovations*

## TUVATEC

## INTERNATIONAL INNOVATIONS, INC.

## SnapSights!

## H2O MAN

## PIXTREME

DIGITAL SPORT CAMERAS

Hawaii may seem like an unusual place for an international corporation to be based but its deep oceans, tall mountains and 11 of the worlds 13 climatic zones make it a Sportsperson's Paradise. Honolulu is where Intova was born and the islands are the crucible in which ideas are developed and tested. We don't just make the products; we use them-created for sportspeople by sportspeople.

Intova was founded in 1995 as an offshoot of a company whose roots in the photo industry extend back to 1982. The mission has always been to deliver products that offered great value; high quality, low cost, unique feature sets. The drive to innovation has led to many industry firsts and a growing family of Intova users. Starting with low cost Snap Sights cameras, Intova grew into the digital camera arena, HD video, waterproof electronics and a robust range of waterproof flashlights.

Currently, Intova products are sold around the world by a steadily increasing number of distribution and retail partners. Primary warehouse facilities are located in California and Hong Kong with administrative HQ in Honolulu. Many exciting new models are in the pipeline and there is a constant drive to improve existing models. As the world around us changes, Intova will continue to develop new items, upgrades and services that will keep us relevant and allow continued growth. Rest assured that we listen to what you say and will stand behind our line up with an unwavering commitment to customer service.

Mahalo Nui Loa

Thanks very much for your support!!

Kulia i ka nu'u

Strive to the top

Intova is proud of the product range and appreciative of your interest. Your comments and suggestions are welcome at [sales@intova.net](mailto:sales@intova.net).



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