

## **16335 Nauticam Cinema Gear Set for Laowa 24mm f/14 2x Macro Probe**

## **& 16336 N120 Port Adaptor for Laowa 24mm f/14 2x Macro Probe**

Instruction Manual

### FOREWORD

Thank you for your purchase of a NAUTICAM product.

At NAUTICAM, we pride ourselves in the ability to recognize the requirements of professional as well as amateur underwater photographers and fulfill them through the innovative designs of our products. We strive to achieve a high level of user-friendliness by allowing stress-free installation and easy operation of all important functions of the camera.

Please read this manual carefully before using the product, this will maximize its performance as well as its lifetime.

### WARRANTY

All NAUTICAM Products are warranted against any material and manufacturing defects for two years from the date of purchase for consumer use. This warranty only applies to products purchased from authorized NAUTICAM dealers and does not extend beyond the original retail purchaser.

To return your product for service, please contact your regional authorized service centre(s). Please note that this warranty only applies when the product is purchased in the territory where the service centre is located.

NAUTICAM does not hold responsibility for damage, of any nature, to any equipment used with and/or placed within our products.

NAUTICAM accepts no liability for any loss of captured images or the inability to capture images even if it is due to the malfunctioning of our products.

Unauthorized modifications and/or repairs of our products will automatically invalidate the warranty.

### PRE-CAUTIONS

- After installation of the port adaptor and extension ring, please make sure the O-ring (s) are free from debris and uneven surface issues.
- A water-tight test without the camera inside the housing is highly recommended after the changing of port and O-ring(s).
- Do not use lubricants from other brands with the silicone rubber O-ring on this housing, only use the lubricant provided by NAUTICAM.
- Discontinue use immediately should you notice any leakage.
- Do not open the product in a wet or sandy environment. Protect the interior from moisture and debris in order to prevent malfunction or leakage.
- Defective products should be shipped to our distributors for service, unauthorized disassembling and/or modifications could result in malfunction or leakage.

### IDENTIFICATION OF 16335 PARTS



\*\*16335 Nauticam Cinema Gear Set for Laowa 24mm f/14 2x Macro Probe is designed for both Laowa 24mm cine version and standard version Lenses to use with N120 cinema housing, such as RED DSMC2, C200, EVA1 etc.

It Includes a set of Iris and Focus gear (controlled by zoom and focus knob of the housing), and a set of Iris and Focus C-Ring for cine version lens and another C-Ring set for standard version as shown above.

Please use corresponding c-rings

### IDENTIFICATION OF 16336 PARTS



\*\*16336 N120 Port Adaptor for Laowa 24mm f/14 2x Macro Probe is designed for Laowa 24mm Lenses to use with N120 DSLR housing and N120 cinema housing.

This N120 port adaptor is necessary to use with an extension ring 70, such as 21271 and 21170.

### MOUNTING THE GEAR ON A LENS



1. Insert the Focus c-ring and Iris C-ring in this order as shown and place them over the lens



2. Insert the focus gear on the focus c-ring, then gently push down the gear towards the bottom until it cannot go any further.



3. Insert the Iris gear on the Iris c-ring, then gently push down the gear towards the bottom until it cannot go any further as focus gear  
To remove the gear set, reverse the above steps.

The tightness between the gear set and the lens can be adjusted by removing or adding rubber grips on either sides of the plastic c-ring. Spare rubber grips are included in the package.

#### MOUNTING AN EXTENSION RING AND PORT ON THE HOUSING



1. Firstly mount the lens. Then plug a battery cable before mounting an extension ring and a port.



2. Confirm that the Extension Ring is unlocked, with the locking lever pointing upwards as shown.



3. Align the "o" mark on the port adaptor with the "I" mark on the extension ring.  
Gently push the port adaptor towards the extension ring until it cannot go any further.



4. Turn the port adaptor clockwise until the "o" mark on the port adaptor aligns with the "o" mark on the extension ring.



5. Push the locking device inwards. Ensure that the extension ring is securely locked with the port



6. Before mount the extension ring and port adaptor on the housing, unscrew the locknut of the port adaptor only halfway.



7. Align the "o" mark on the extension ring with the "o" mark on the housing.  
Gently push the extension ring towards the housing until it cannot go any further.



8. Lock the extension ring into the place by turning the port locking lever to the inward position.  
To ensure that the extension ring is securely mounted, confirm that the green line on the safety button on the port locking lever is visible.



9. Fasten the locknut to squeeze the inside O-ring as well as grasp the lens for sealing

\*\*The recommended depth rating of the lens is 30m.

Remark: All Nauticam product manual will be changed to e-manual in end of 2018. Please download corresponding product manuals on [Nauticam.com](http://Nauticam.com) website, or contact us for e-manuals.