

NUCLEUS-M II WIRELESS LENS CONTROL SYSTEM

USER MANUAL

TILTA

01 DISCLAIMER

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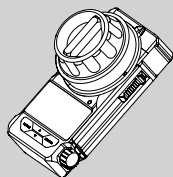
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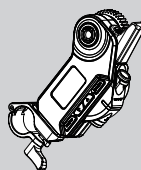
Nucleus-M II FIZ Hand Unit×1



Nucleus-M II
Hand Grip (Left)×1



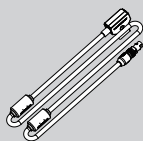
Nucleus-M II
Hand Grip (Right)×1



Nucleus-M II Motor×2



Nucleus-M II Electronic
Focus Marking Disk×1



P-Tap to 7-Pin Power
Cable (70cm)×1



7-Pin to 7-Pin Connection
Cable (50cm)×1



7-Pin to 7-Pin Connection
Cable (30cm)×1



Nucleus-M II
0.5 Mod Motor Gear×1



Nucleus-M II
0.8 Mod Motor Gear×2



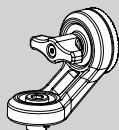
Nucleus-M II Motor
Rod Mount (15mm)×2



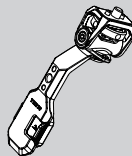
Nucleus-M II Motor
Rod Mount (19mm)×2



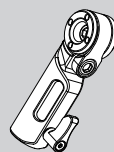
Nucleus-M II Zoom Module
for Hand Grip×1



Hand Grip to Arri Standard
Rosette Adapter×1



Monitor Mounting Bracket
for FIZ Hand Unit×1



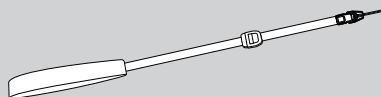
Baby Pin Adapter for Monitor
Mounting Bracket×1



Nucleus-M II Follow Focus
Marking Disk×5

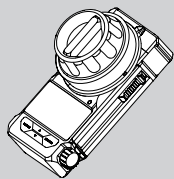


Tilta Universal Focus
Gear Ring - Black×2



Nucleus-M II FIZ Hand Unit Lanyard×1

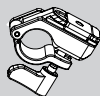
03 PACKING LIST



Nucleus-M II FIZ Hand Unit×1



Nucleus-M II Motor×1



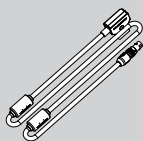
Nucleus-M II Motor
Rod Mount (15mm)×1



Nucleus-M II Motor
Rod Mount (19mm)×1



Nucleus-M II Electronic
Focus Marking Disk×1



P-Tap to 7-Pin Power
Cable (70cm)×1



7-Pin to 7-Pin Connection
Cable (50cm)×1



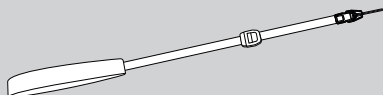
7-Pin to 7-Pin Connection
Cable (30cm)×1



Nucleus-M II Follow Focus
Marking Disk×1



Tilta Universal Focus
Gear Ring - Black×2



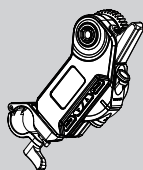
Nucleus-M II FIZ Hand Unit Lanyard×1



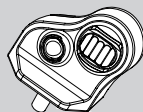
Nucleus-M II
0.8 Mod Motor Gear×1



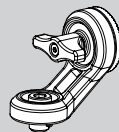
Nucleus-M II
Hand Grip (Right)×1



Nucleus-M II Motor×1



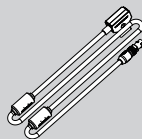
Nucleus-M II Zoom Module
for Hand Grip×1



Hand Grip to Arri Standard
Rosette Adapter×1



Tilta Universal Focus
Gear Ring - Black×2



P-Tap to 7-Pin Power
Cable (70cm)×1



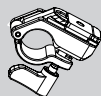
7-Pin to 7-Pin Connection
Cable (50cm)×1



7-Pin to 7-Pin Connection
Cable (30cm)×1



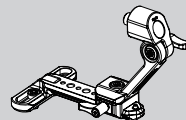
Nucleus-M II
0.8 Mod Motor Gear×1



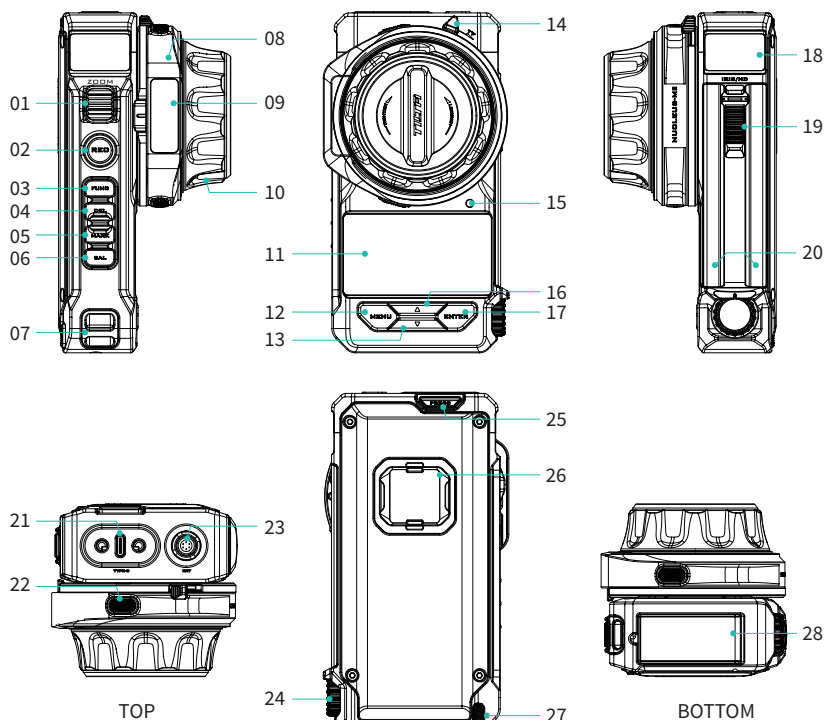
Nucleus-M II Motor
Rod Mount (15mm)×2



Nucleus-M II Motor
Rod Mount (19mm)×2



Nucleus-M II Top Handle
Adapter for Hand Grip×1



01 ZOOM Rocker
Zoom Control

02 REC Button
Power on/off and controls run/stop

03 FUNCTION Button
Locks screen and sends control to Hand Grips

04 DEL Button
Cancel selection

05 MARK Button
Set lens marks

06 CAL Button
Long press to calibrate the lens automatically

07 Lanyard Attachment Point

08 Electronic Focus Marking Disk

09 Electronic Focus Disk Display
Displays focus information

10 Focus Wheel
Rotate to adjust focus motor

11 LED Display
Access menus

12 MENU Button
Adjust settings

13 Down Button ▼
Go to the next page

14 Limit Switch
Switch between TF/DF
Push left to choose DF (Hand Wheel rotates freely)
Push right to choose TF (Tilta Focus mode.
Hand Wheel rotation is limited to less than 360°)

15 Light Sensor
Senses the ambient light levels and adjusts the brightness of the display.

16 Up Button ▲
Go to the previous page

17 ENTER Button

18 IRIS Display
Displays iris information

19 Iris Slider
Control iris motor

20 Iris LED

21 USB-C Port
For charging, external power supply, firmware updates, and data transfer.

22 Electronic Focus Disk Release
Press to install/remove the electronic focus disk.

23 EXT Port
Control port

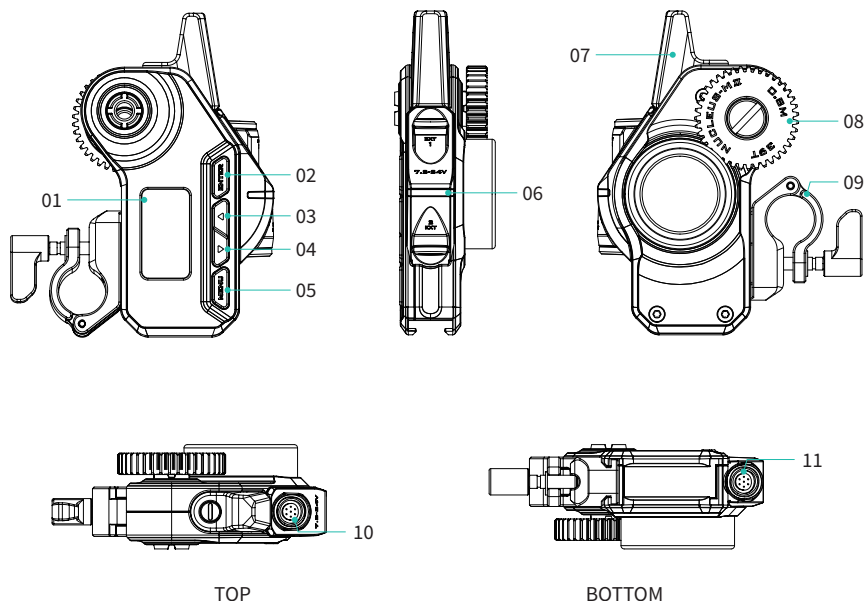
24 SPEED/ND Dial
Hold to switch between zoom speed and ND motor control.

25 Cable Clamp Attachment Release
Press to install/remove the cable clamp attachment

26 Hand Wheel Interface
Connect hand wheel to the device

27 Battery Release
Press to open the battery compartment

28 Battery Compartment Cover



01 LCD Display

Displays motor information

02 ENTER Button

Confirms selection and navigates menu

03 Up Button ▲

Go to the previous page / channel up

04 Down Button ▼

Go to the next page / channel down

05 MENU Button

Enter the main menu

06 Status Indicator

A solid light indicates normal operation while a flashing light indicates a connection issue

07 Motor Antenna

Receives wireless communication signal

08 0.8 Mod Motor Gear

Engages with the lens's gear ring to control focus

09 15/19mm Rod Attachment

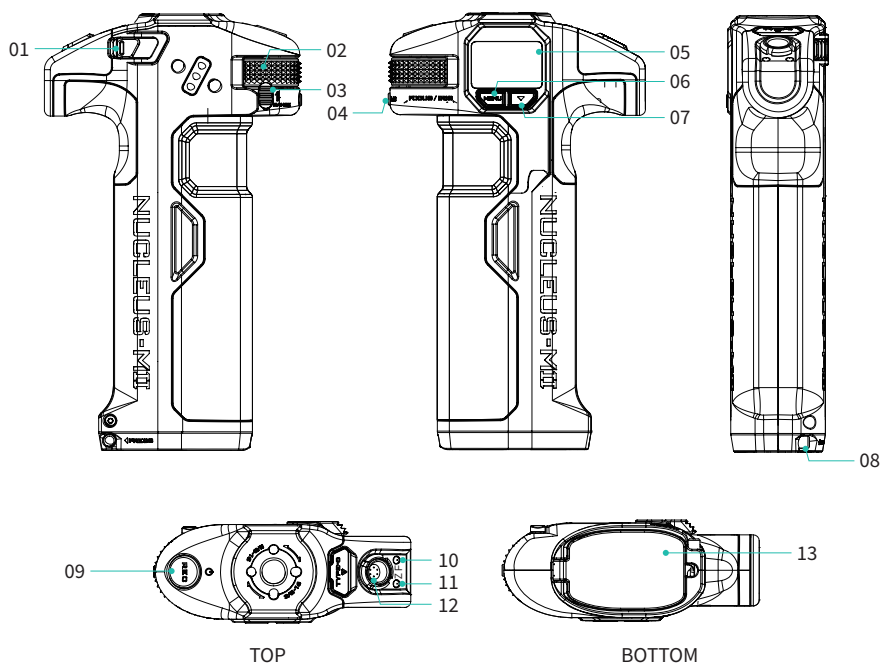
Accommodates two types of rods

10 EXT-1

Power input, communication input and output

11 EXT-2

Power input, communication input and output



- 01 Release Button**
Press to install/remove ZOOM Module
- 02 Hand Grip Finger Knob**
Controls connected motor
- 03 Knob Range Switch**
Switch between two range settings
- 04 A/B Point Button**
- 05 LCD Display**
Displays information
- 06 MENU Button**
Enter the main menu
- 07 Down Button ▼**
Go to the next page

- 08 Battery Compartment Release**
Press to open the battery compartment cover
- 09 REC Button**
Start/stops recording
- 10 F: Focus Range Indicator**
- 11 Z: Zoom Range Indicator**
- 12 Power and Communication Port**
- 13 Battery Compartment Cover**