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› NEEWER Q4 400Ws Studio Flash Outdoor Strobe User Manual

NEEWER Q4

NEEWER Q4 400Ws Studio Flash Outdoor Strobe User Manual

Model: Q4
Brand: NEEWER

1. INTRODUCTION

The NEEWER Q4 400Ws Studio Flash is a powerful and portable outdoor strobe designed for professional photography. It features a compact rectangular design, high flash output, and versatile flash modes including TTL, Manual, and Multi. Equipped with a 2.4G Q system and a QPRO-N trigger, it offers seamless wireless control. Its robust battery and Bowens mount compatibility make it suitable for various indoor and outdoor shooting environments.



Figure 1.1: Overview of the NEEWER Q4 400Ws Studio Flash and its included components.

2. KEY FEATURES

- **400Ws High Power Output:** Provides strong flash output with GN72 (with high performance reflector, not included) for effective outdoor and studio photography.
- **Compact and Portable Design:** Measures 7.28"x6.06"x8.35" and weighs 4.94lb, featuring a convenient top handle for easy transport.
- **Versatile Flash Modes:** Supports TTL (Through-The-Lens), Manual, and Multi (Stroboscopic) flash modes for diverse shooting requirements.
- **High Speed Sync (HSS):** Achieves flash sync speeds up to 1/8000s, allowing for creative control over ambient light.
- **30W LED Modeling Lamp:** Features a 5600K, CRI95+ modeling lamp for precise light positioning and preview.
- **Long-lasting Battery:** Equipped with a 21.6V/2800mAh lithium battery, providing approximately 400 full power flashes and a fast recycling time of 0.01-1.2s.

- **Built-in 2.4G Q System:** Integrated wireless system compatible with the included QPRO-N trigger for remote control up to 328'/100m across 5 groups and 32 channels.
- **Bowens Mount:** Standard Bowens mount allows compatibility with a wide range of light modifiers such as softboxes, reflectors, and snoots.
- **Firmware Upgrades:** Supports USB Type-C for future firmware updates.

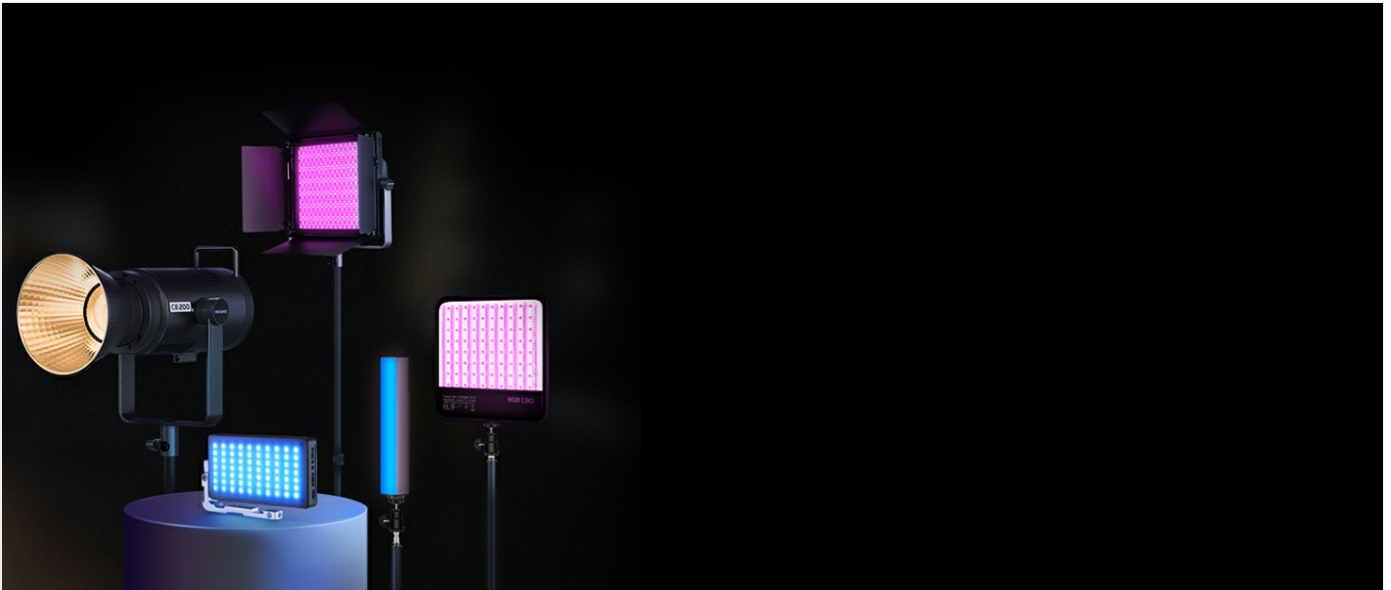


Figure 2.1: The NEEWER Q4 400Ws flash providing powerful illumination for outdoor photography.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x NEEWER Q4 Flash Strobe
- 1 x QPRO-N Wireless Trigger (for Nikon)
- 1 x Standard Reflector
- 1 x Lithium Battery (21.6V/2800mAh)
- 1 x Handle Grip
- 1 x Power Cord (US Plug)
- 1 x Power Adapter
- 1 x Carrying Case

SMALL VOLUME HIGH POWER

4.93lb / 2.24kg
Net Weight 

Rounded Corner
Shape 

Ergonomic
Design 

Note: Only the Q4 2.4G TTL Flash is included.

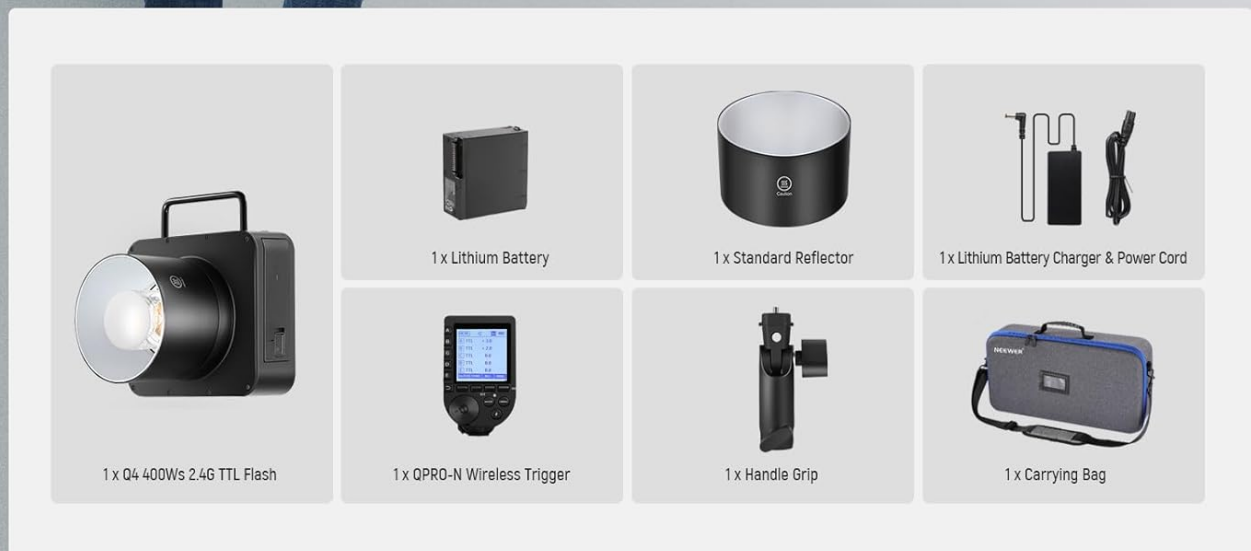


Figure 3.1: All components included in the NEEWER Q4 400Ws Studio Flash package.

4. SETUP AND INSTALLATION

4.1 Battery Installation and Charging

1. Locate the battery compartment on the side of the Q4 flash unit.
2. Insert the 21.6V/2800mAh lithium battery into the compartment, ensuring proper alignment of the contacts.
3. Close the battery compartment securely.
4. To charge the battery, connect the included power adapter and power cord to the DC charging port on the flash unit.
5. A full charge takes approximately 3.5 hours. Only use the provided power adapter/cord for charging.

LARGE CAPACITY LITHIUM BATTERY

Delivers instant full light output in just 1.2 seconds. Capture the perfect moment effortlessly and choose the ideal timing for continuous flash shots.



21.6V/2800mAh
Large Capacity



400 Times
Full Power Flash



0.01-1.2s
Recycling Time



Figure 4.1: The large capacity lithium battery being inserted into the NEEWER Q4 flash.

4.2 Attaching the Handle Grip and Reflector

1. Attach the handle grip to the designated mounting point on the Q4 flash unit for comfortable handling.
2. Align the standard reflector with the Bowens mount on the front of the flash.
3. Twist the reflector clockwise until it locks securely into place.



30W MODELING LIGHT

Easily preset captivating light and shadow effects with the auxiliary focusing feature.



BOWENS MOUNT

Sculpt and modify the light to achieve your desired photographic effects.



Note: Only the Q4 400Ws is included.



NS1P
8 Ribs Quick Release softbox

SF-85Q
Parabolic Softbox

Standard Reflector

Umbrella Diffuser

NK-NALTM
Snoot

Figure 4.2: The NEEWER Q4 flash unit demonstrating the 30W modeling light and the Bowens mount for attaching light modifiers.

Important Note: Do not trigger the flash without the flash tube plugged in, as this can cause damage to the equipment.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button on the Q4 flash unit to turn it on or off. The LCD screen will illuminate upon power-on.

5.2 Flash Modes

The Q4 offers three primary flash modes:

- **TTL (Through-The-Lens) Mode:** Automatically adjusts flash output for optimal exposure. Supports flash exposure compensation.
- **Manual Mode:** Allows precise manual control over flash power from 1/1 to 1/256 with 0.1 stop precision and 81 levels of fine tuning.
- **Multi (Stroboscopic) Mode:** Controls the stroboscopic rate up to 100 times (199 Hz) for capturing multiple

exposures in a single frame.

TTL AUTOMATIC FLASH MODE

Accurate Exposure Made Easy.
Fine tune your results with ± 3 flash exposure compensation,
giving you precise control over your lighting.



Figure 5.1: The NEEWER Q4 in TTL Automatic Flash Mode, showcasing its ability to provide accurate exposure and High Speed Sync (HSS) capabilities.

20 FPS FAST CONTINUOUS SHOOTING
Capture high intensity moments continuously without any hassle, ensuring you never miss a single shot.

400 Times
Full Flash Output

0.01-1.2s
Recycling Time

1/10989s
Flash Duration

2800mAh
Lithium Battery

Figure 5.2: The Manual Flash Mode interface, illustrating the granular control over power output and brightness.

5.3 High Speed Sync (HSS) and Curtain Sync

The Q4 supports 1/8000s High Speed Sync (HSS) for shooting with fast shutter speeds, ideal for overpowering ambient light. It also supports First Curtain Sync and Second Curtain Sync for creative motion blur effects.



1/10989s FLASH DURATION

Freeze Action and Overcome Lighting Challenges.

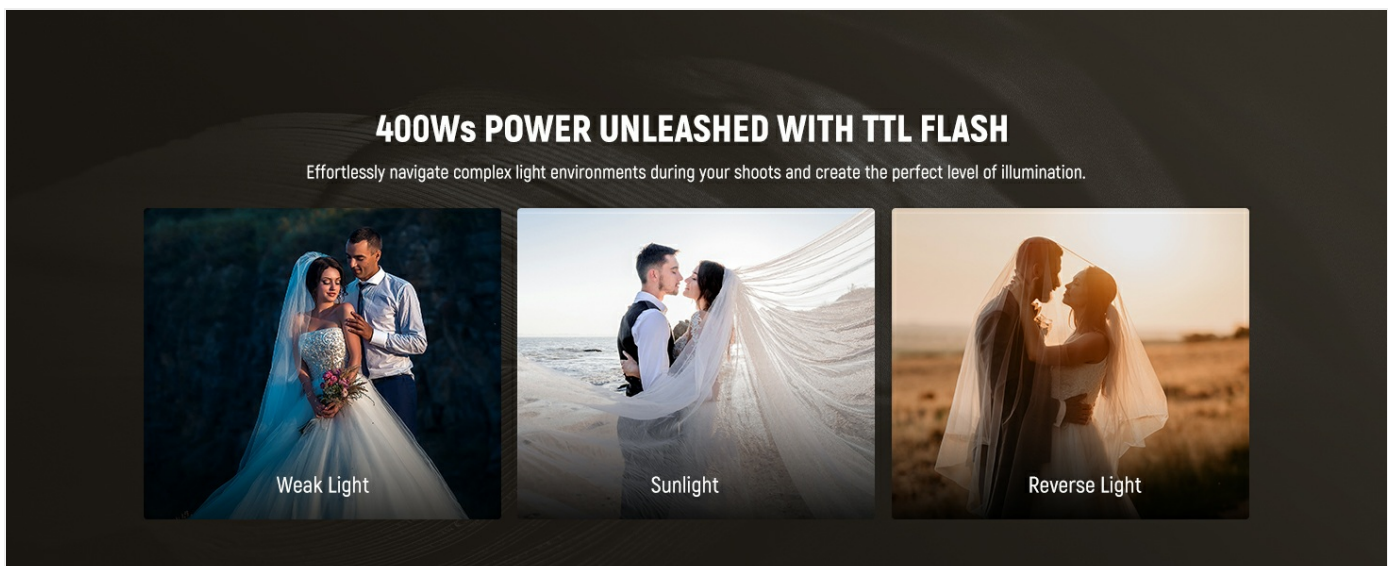


Front / Rear Curtain



Multi Strobe Mode

Figure 5.3: The Q4's fast flash duration (1/10989s) effectively freezes action, demonstrated with a ballet dancer and a multi-strobe effect on a runner.



400Ws POWER UNLEASHED WITH TTL FLASH

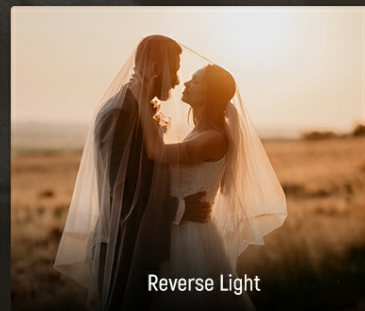
Effortlessly navigate complex light environments during your shoots and create the perfect level of illumination.



Weak Light



Sunlight



Reverse Light

Figure 5.4: The Q4 supports various shooting functions, including flash exposure compensation, high speed synchronization, and curtain synchronization.

5.4 2.4G Q System and QPRO-N Trigger

The Q4 has a built-in 2.4G Q system receiver, allowing it to be wirelessly controlled by the included QPRO-N trigger. The trigger supports up to 5 groups, 32 channels, and 01-99 IDs within a range of 328'/100m. Ensure your camera model is compatible (e.g., Nikon D4, D5, D6, D750, Z9, Zfc, etc.). Firmware upgrades for the trigger may be necessary for full compatibility.



Figure 5.5: The QPRO-N trigger's display, illustrating options for customizable single contact mode. Note: Disable single contact mode for TTL and High Speed Sync.

BUILT IN NEEWER 2.4G Q SYSTEM

Accept signals from the main control unit for effortless wireless multiple flash shooting.



[A, B, C, D, E]
5 Groups

1-32
Channels

OFF, 01-99
ID



Slave
Q4 400Ws 2.4G TTL Flash

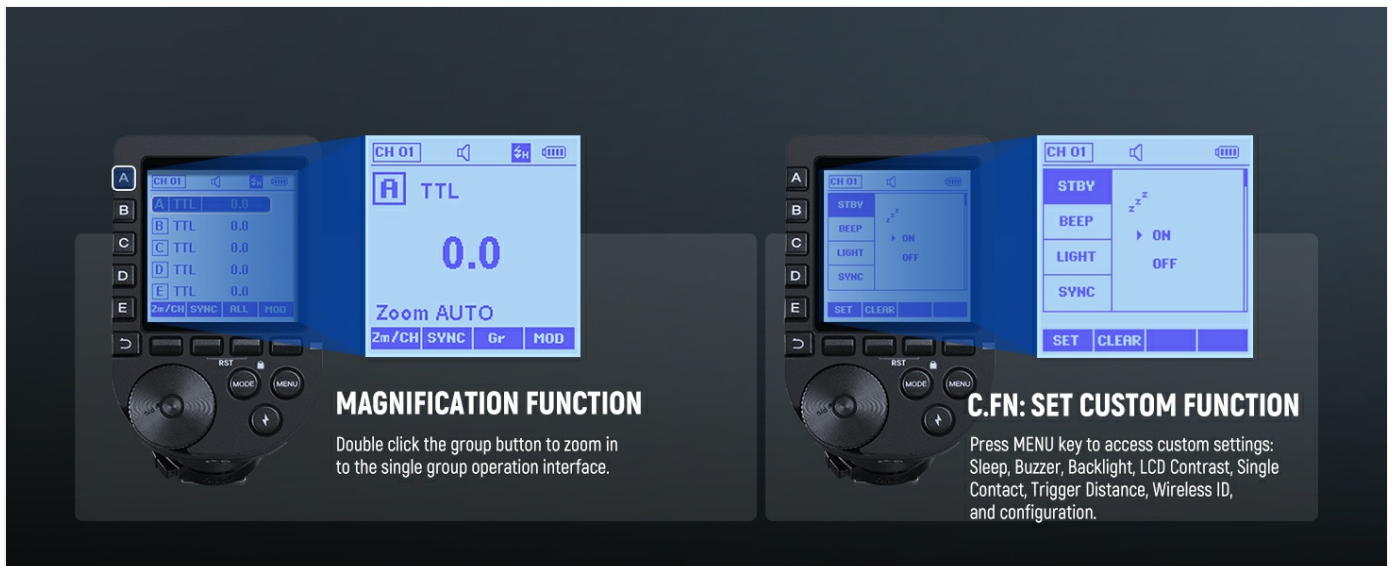
Master
QPRO-C/N/S Wireless Flash Trigger

Q3 Wireless TTL Flash
Z760 Flash Speedlite

S101 300W / 400W Pro
NW655 Flash Speedlite

Z1 Flash Speedlite
NW420 Flash Speedlite

Figure 5.6: The NEEWER 2.4G Q system allows the Q4 flash to function as a slave unit, controlled by the QPRO wireless trigger as a master.



MAGNIFICATION FUNCTION

Double click the group button to zoom in to the single group operation interface.

C.FN: SET CUSTOM FUNCTION

Press MENU key to access custom settings: Sleep, Buzzer, Backlight, LCD Contrast, Single Contact, Trigger Distance, Wireless ID, and configuration.

Figure 5.7: The QPRO trigger's interface, detailing the magnification function for single group operation and custom function settings (C.Fn)

for advanced configurations.

5.5 Modeling Lamp

The integrated 30W LED modeling lamp (5600K, CRI95+) assists in previewing lighting effects and focusing. It can be controlled independently from the flash output.

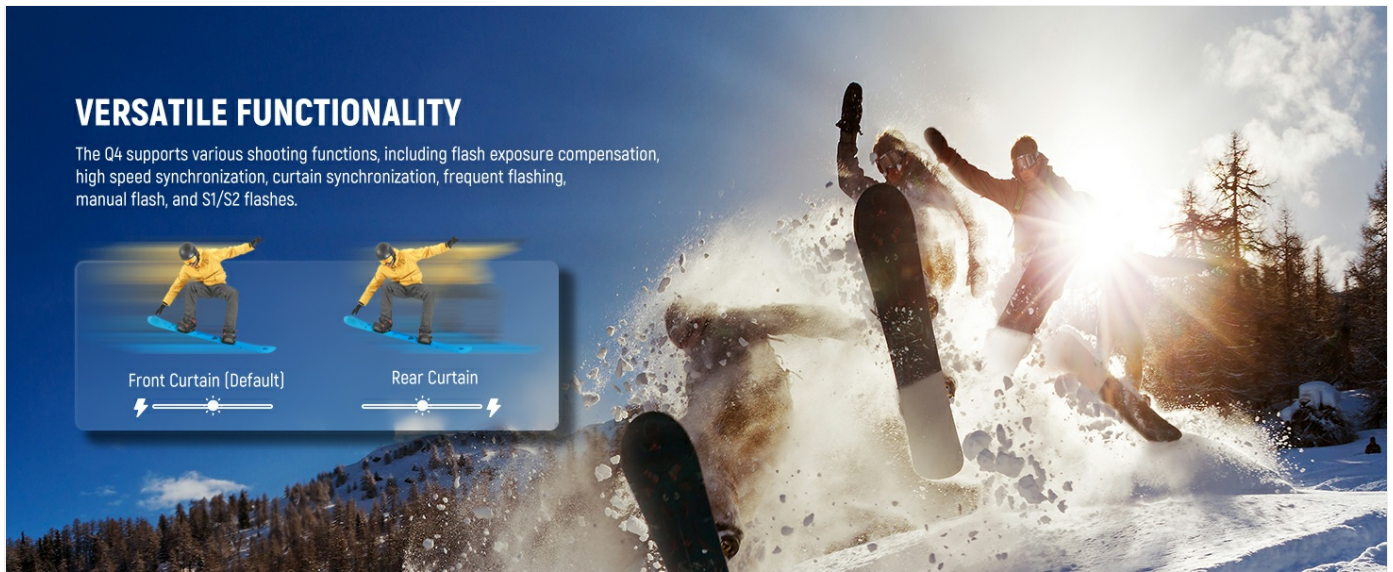


Figure 5.8: The 30W modeling light of the NEEWER Q4, providing continuous illumination for setup and focusing.

6. MAINTENANCE AND CARE

- Keep the flash unit and accessories clean and dry. Use a soft, dry cloth for cleaning.
- Avoid exposing the unit to extreme temperatures, humidity, or direct sunlight for prolonged periods.
- Store the unit in its carrying case when not in use to protect it from dust and physical damage.
- Ensure the flash tube is properly installed before triggering the flash to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flash not firing	Low battery; Flash tube not installed; Trigger not paired; Incorrect mode/settings.	Charge battery; Ensure flash tube is securely installed; Pair trigger with flash; Check flash mode and settings.
Inconsistent flash output	Battery level fluctuating; Interference with wireless signal.	Ensure battery is fully charged; Reduce distance between flash and trigger; Change wireless channel.
Trigger incompatibility	Outdated firmware; Camera model not fully supported.	Check NEEWER's official website for the latest firmware updates and compatibility list.

8. SPECIFICATIONS

Feature	Detail
Model	Q4
GN Index	GN72 (1m, ISO 100) with High Performance Reflector

Feature	Detail
Power	400Ws
Flash Duration	1/209-1/10989s
Flash Modes	TTL, Manual, Multi (Stroboscopic)
Power Output	9 Steps 1/256 - 1/1
Flash Exposure Compensation	Manual, FEB: +/-3 stops in 1/3 stops increments
Sync Modes	HSS (up to 1/8000s), First/Second Curtain Sync
Modeling Lamp (LED)	30W / 5600K / CRI95+
Battery	21.6V / 2800mAh Lithium Battery
Full Power Flashes	Approx. 400
Recycling Time	0.01-1.2s
Wireless Function	Slave Unit, Wireless Off, 2.4G
Transmission Range	100 meters
Channels	1-32
Wireless IDs	01-99
Dimensions	7.28" x 6.06" x 8.35" (18.5 x 15.4 x 21.2 cm)
Net Weight	4.94lb / 2.24kg (Excluding lamp and reflector)

SPECIFICATIONS			
Model:	Q4	Light Control Flashing:	S1 / S2
GN Index:	GN72 (1m, ISO 100) with High Performance Reflector	Display:	Dot matrix
Wireless Slave Unit Mode:	Radio mode (compatible with Canon E-TTL II, Nikon I-TTL, Sony)	Color Temperature:	5600±200K
Power:	400Ws	Wireless Function:	Slave Unit, Wireless Off, 2.4G
Flash Duration:	1/209-1/10989s	Controlled Subordinate Unit Group:	A, B, C, D, E
Flash Mode:	Wireless shutdown: M/Multi Radio subordinate mode: TTL/M/Multi	Transmission Range (about):	100 meters
Power Output:	9 Steps 1/256 ~ 1/1	Channels:	1-32
Stroboscopic Flash:	Provided (number: 100 times; frequency: 100Hz)	Power Supply:	Lithium battery 21.6V/2800mAh
Flash Exposure Compensation (FEC):	Manual, FEB: +/-3 stops in 1/3 stops increments	Wireless ID:	OFF, 01-99
Sync Modes:	HSS (up to 1/8000s), first/curtain sync, second curtain sync	Full Power Flash:	400
Delay Flash:	0.01 ~ 30s	Recycling Time:	Approx. 0.01-1.2s
Masking Function:	✓	Battery Power Indication:	✓
Built In Silent Fan:	✓	Energy Saving:	30-120min automatic turn off the power (No one operates)
Built In Buzzer:	✓	Trigger:	2.4G / Synchronization, S1/S2, Test
Display Flash Duration:	✓	Dimensions:	7.28" x 8.34" x 6" / 18.5 x 21.2 x 15.4cm
Modeling Lamp [LED]:	30W / 5600K / CRI 95+	Net Weight:	4.93lb / 2.24kg (Excluding lamps and reflector)

Figure 8.1: Comprehensive technical specifications for the NEEWER Q4 400Ws Studio Flash.

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 9.1: Official product video showcasing the features and usage of the NEEWER Q4 400Ws Studio Flash. This video demonstrates the flash's capabilities in various shooting scenarios.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official NEEWER website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Official NEEWER Store: [NEEWER Amazon Store](#)

