

Introducing the Pro-B3

The ultimate on-location flash for adventurous photographers



Profoto proudly presents the Pro-B3, a groundbreaking 750ws battery flash designed to meet the demands of the world's best action and extreme sports photographers. With its heavy-duty casing and industrial grade components, it is engineered for photographers who are dedicated to capture professional images in the most remote and challenging locations.

Power and flexibility

The Pro-B3 delivers an impressive 750Ws of pure battery-driven flash power, providing more than enough lighting strength to create any effect, regardless of where your work takes you. But the Pro-B3 doesn't stop there. It also offers fast recycling times ranging from 0.01 to 2.3 seconds, and an extremely short flash duration down to 1/75,000s for capturing crisp action shots without motion blur. "The unique combination of features that the Pro-B3 brings ensures that you will always get that perfect shot, says Göran Marén, Product Manager."

Reliability and creative freedom

Profoto's extensive and portable light shaping system is fully compatible with the Pro-B3, giving photographers limitless creative options. Additionally, the Pro-B3 is equipped with TTL and HSS for seamless integration with your camera.

The Pro-B3 is designed with the professional action and sports photographer in mind. It features a high-capacity Li-Ion battery, ensuring that you never miss a shot. The flash unit also boasts a robust, rubberized housing and high-quality components, like the user interchangeable quartz flash tubes and long-life capacitors. "The Pro-B3 has been designed and built to withstand years and years of professional use, continues Göran Marén, Product Manager."

Its intuitive user interface and large, high-resolution display make it easy to operate, even in the most challenging conditions. "The whole idea with the Pro-B3 is that it's only the imagination of the photographer that should set the limits for what you can do creatively, not the gear, concludes Göran Marén, Product Manager."

The Profoto Pro-B3 is available for purchase from 11.00AM CET on the 4th of December 2024.

Product information

Profoto Pro-B3

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Specifications

Overview

Product: Pro-B3
Product number: 901081
Regulatory model: PCA1639

Flash

Max energy: 750 Ws
Energy range: 11 f-stops (0.8-750 Ws)
Energy control increments: 0.1 f-stops (0.1-10)
Recycling time: Eco mode: 0.01-2.0 s
Boost/Freeze mode: 0.01-2.3 s
Energy stability:
<0.03 f-stop at energy 3.0-10
<0.06 f-stop at energy 0.1-2.9
Flash modes: Eco (Normal), Boost and Freeze
Flash duration t0.1:
Eco mode: 1/600 s (10) - 1/5,500 s (0.1)
Boost mode: 1/600 s (10) - 1/5,500 s (0.1)
Freeze mode: 1/600 s (10) - 1/15,900 s (0.1)
Flash duration t0.5:
Eco mode: 1/1,900 s (10) - 1/7,000 s (0.1)
Boost mode: 1/1,900 s (10) - 1/7,000 s (0.1)
Freeze mode: 1/1,900 s (10) - 1/75,000 s (0.1)
Color temperature: Eco mode: 6,300K +-100K
Boost mode: 6,300K +-100K
Freeze mode: 6,400K (10) -9000K (0.1)
Max f-stop @ 2m / 100 ISO: Bare: 22 6/10
Magnum: 45 4/10
OCF Magnum: 32 9/10
Beam angle: 65°
Field angle: 106°

Continuous light

Lamp type: LED
Max power: 56W
Dimming range: 100-1%
Color temperature: 5,600K +-100K
Color rendering Index (CRI): >92
Max luminous flux (lumen): 6,300 lm
Max illuminance @ 1m (lux): Bare: 2,380 lx
Magnum: 16,540 lx
OCF Magnum: 25,530 lx
Beam angle: 65°
Field angle: 105°

Wireless connectivity

Built-in connectivity: Profoto AirX
Frequency band: 2.4 GHz
Supported Profoto Air functions: Sync, TTL, HSS, Remote control (Air 1 and Air 2)
No of Air channels: 100 (1-100)
No of groups per Air channel: 6 (A-F)
Supported apps for Bluetooth devices: Profoto Camera and Profoto Control apps
Wireless operating range:
With Profoto remotes: 0.5 - 100 m (1.5- 330 ft)*
With Bluetooth devices: 0.1- 30 m (0.3-90 ft)
*in optimal conditions up to 300 m (1000 ft)

Connectors

Sync: 1 x 3.5 mm socket (mini-phone)
Other: USB-C service port

Powering

Power supply: Profoto Li-Ion battery 4S2P
Battery capacity: 80.4 Wh
up to 250 full power flashes
up to 60 minutes full continuous light
Battery charger: Profoto battery charger 5A
Battery charging time: 90 minutes

Other

Firmware update: Via Bluetooth
Photocell/IR-slave: Yes
Stand adapter: Yes for standard 5/8 studs
Umbrella mount: Yes (in stand adapter)
Operating temperature: 0 °C to +35 °C
+32 °F to +95 °F
Storage temperature: Store in normal indoor conditions

Measurements

Width: 14.0 cm / 5.5 in
Length: 34.5 cm / 13.58 in
Height: 20.0 cm / 7.87 in
Weight: 3.45 kg / 7.6 lb without battery
4 kg / 8.8 lb with battery

Profoto - About Us

Profoto was founded in Stockholm in 1968 by Eckhard Heine and Conny Dufgran with the resolve to make the very best flash for the very best photographers, and they succeeded. That's a standard that we don't only aim to maintain but to surpass. We believe that light is the indispensable heart of all image creation – no matter the camera, no matter the situation, creating amazing images depends on the ability to master light shaping.

We develop premium lighting solutions for the worlds leading content creation studios and photographers, such as David LaChapelle, Martin Schoeller, Annie Leibovitz, Albert Watson, Platon, Camilla Åkrans, Chen Man, Joe McNally.

Questions

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This content may not be made public before 2024.12.04

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