

# Powering High Speed Video Analysis

Slowmo Ltd: High Speed Camera Hire Specialists



High-speed cameras play a vital role in capturing motion imperceptible to the human eye, enabling in-depth analysis beyond our natural capabilities. Slowmo Ltd, a leader in the UK and Europe for over two decades, explores unseen motion realms in defence, science, production, and television.

They record footage at astounding speeds of up to 1,000,000 frames per second, powering their Photron high-speed cameras with Tracer Power BP2785 24V 20Ah LiFePO4 Carry Case Kits for ultimate flexibility in the field.

## Capturing Every Detail

Leveraging state-of-the-art high-speed camera technology from Photron, Slowmo achieves remarkable event capture speeds of up to 1,000,000 fps. To offer perspective, one second of footage at this frame rate, results in an astonishing 11 hours of playback (reviewed at 24fps). This level of detail reveals imperceptible actions, enhancing the understanding of the subject matter. Slowmo frequently collaborates on test and evaluation facilities, primarily in Defence and Security contracts.

## The Challenge: Remote Locations with Limited Power Access

Much of Slowmo's defence work unfolds in remote ranges for testing weapons, ordnance, munitions, and explosives. Given the scarcity of power outlets in these areas, a portable, all-weather 24V power source is essential.

## The Solution: Tracer BP2785 24V 20Ah LiFePO4 Carry Case Kit

The Tracer BP2785 is now essential in Slowmo's high-speed camera setup for ballistic and munitions testing, replacing portable generators. With a runtime of up to 5 hours, these 24V 20Ah battery packs provide reliable power during blast trials, even in harsh weather. Unaffected by shock waves, they ensure seamless performance.

Scan the QR code to see the Slowmo website & portfolio



[www.slowmo.co.uk](http://www.slowmo.co.uk)

Slowmo values the flexibility offered by Tracer batteries, enabling the capture of previously unattainable footage, as evidenced in on-board vehicle blast trials. Cameras and batteries placed inside the vehicle withstand explosions, operating flawlessly and significantly enhancing testing capabilities.



*Tracer batteries operate reliably in all weathers & sometimes under extreme conditions such as close proximity to explosive reactions.*



- Mark Johnson

Company Director & Camera Operator  
2023



## Powering More Than Just Cameras

Slowmo also relies on Tracer 12V Lithium Polymer batteries for auxiliary equipment, like network hubs, across locations. Portable and reliable, they eliminate the need for extra power sources, simplifying operations.



Their lightweight design and durability streamline Slowmo's setups, allowing the team to concentrate on high-speed camera work without power concerns. This efficiency ensures seamless functioning of auxiliary devices, enhancing Slowmo's ability to capture every detail with precision and ease.

Scan QR code to find more about Tracer Lithium Polymer



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