
Metabones®

TruePDAF Technology™ improves PDAF and IBIS

Press Release

Vancouver, Canada, May 27, 2026- Metabones® TruePDAF Technology™ improves phase-detection autofocus (PDAF) and in-body image stabilization (IBIS) performance to an unprecedented level that is often practically indistinguishable from native lenses.

When Metabones refreshed its Speed Booster® and Smart Adapter™ product lines for Micro Four Thirds to "Mark II", the initial announcement was that Mark I and Mark II ran the same firmware with the same performance. This is no longer the case with the introduction of TruePDAF Technology™, which utilizes the better Mark II hardware by storing lens profile data of more than 100 lenses in firmware. When a match is found, the Speed Booster's or Smart Adapter's LED glows pink (instead of white) to indicate that additional lens metadata is conveyed to the camera. This is exactly the same kind of metadata that a native lens reports to the camera. With that extra information, PDAF performs well even under less-than-ideal scenarios, such as low contrast, insufficient light, AF points in the corners of the frame and subjects near the lens' minimum focus distance. In addition, IBIS effectiveness is increased, particularly near macro distances where 5-axis gives the most additional benefit over 3-axis. The list of support lenses can be found on the web page of each Mark II product.

If a lens is not supported, Mark II will do the same thing as Mark I. It will try its best effort to send approximate PDAF metadata to the camera, which still results in very good performance. In addition, Mark I is very good at gleaning the last bit of available information from a Canon-brand or a Sigma Global Vision (Art, Contemporary and Sport) lens to enable 5-axis IBIS. Mark II will improve IBIS effectiveness further with a supported lens.

As for the camera, optimal autofocus speed requires either the Panasonic GH7 or Panasonic G9 II, as other cameras will not be able to attain a near-native level of performance.

In 2024, Metabones made a quantum leap in autofocus performance on Panasonic GH7, which was available as a free firmware upgrade for all Mark I customers at the same time when Mark II was launched. The old hardware still has class-leading performance, even today, but it has reached its limit and the baton of further feature enhancements and performance improvements has passed onto Mark II. However, Metabones will continue to release firmware for Mark I with bug fixes in the foreseeable future. Metabones is changing its Micro Four Thirds firmware release model to an odd/even-versioning system, where odd-numbered versions are Performance Releases for Mark II only, and even-numbered versions are Stable Releases for both Mark I and Mark II.

Members of the Metabones EF-MFT Mark II family include:

- EF-MFT mount T Speed Booster® XL 0.64x II (MB_SPEF-m43-BTD)
- EF-MFT mount T Speed Booster® ULTRA 0.71x II (MB_SPEF-m43-BTC)
- EF-MFT mount T Smart Adapter™ II (MB_EF-m43-BT4)
- EF-MFT mount T CINE Smart Adapter™ (MB_EF-m43-BT3)

Firmware version 5.10 is immediately available for [download](#) from Metabones' web site for Mac and Linux users and from Microsoft Store for Windows users. As an odd-numbered Performance Release, it is exclusively for Mark II products listed above.

	EF-MFT mount T Speed Booster XL 0.64x II	EF-MFT mount T Speed Booster ULTRA 0.71x II	EF-MFT mount T Smart Adapter II	EF-MFT mount T CINE Smart Adapter
Support OM System cameras	X	✓	✓	✓
Support cameras with passive (non-electronic) MFT mount	X	X	✓	✓
Support Panasonic Tele-converters	X	X	✓	✓
LED indicator	✓	✓	✓	✓
EXIF for manual lenses	1	1	3	3
More powerful processor	✓	✓	✓	✓
Magnification	0.64x	0.71x	1x	1x
Tripod Mount	Removable; compatible with Arca-Swiss Style quick release			
Center to bottom of foot	41.5mm	41.5mm	41.5mm	41.5mm
Distance from tripod hole to camera flange	9.22mm	9.85mm	12.88mm	11.30mm
Weight	165g	163g	160g	214g
SKU	MB_SPEF-m43-BTD	MB_SPEF-m43-BTC	MB_EF-m43-BT4	MB_EF-m43-BT3

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A new generation is born TruePDAF Technology™



About Metabones

Metabones®, together with its allied partners Caldwell Photographic and WB Design, is the pioneer and leader of two key technologies which have catalyzed the transition from mirror to mirrorless. Speed Booster® (winner of the 2013 TIPA Best Photo Accessory Award) makes lenses brighter, wider and sharper, and Smart Adapter™ breaks the lens mount compatibility barrier by electronically integrating interchangeable single-lens reflex (SLR) lenses and mirrorless cameras. Metabones® offers a comprehensive range of adapters covering most popular lens mounts, as well as some rare and exotic ones. "Always at the forefront of innovation without ever setting aside practicality as a professional tool" perhaps best epitomizes Metabones' philosophy.