

Canon EF Lens to Sony E Mount T Smart Adapter (Mark IV)



Features and benefits

Metabones Exclusive

- If both your lens supports optical image stabilization (OIS) and your camera supports sensor-shift, in-body image stabilization (IBIS), the choice is yours on which one to use, or have both of them work in harmony.
- Smooth iris support with the latest Canon (2009+), Tamron (SP series 2013+) and Sigma (2016+) lenses.
- Custom function button (called Focus Hold button) assignable to more than 50 functions, such as Aperture Preview and Eye-AF, on A9, A7 series, A6500 and A6300.
- Cinema EOS lens (CN-E) support, including power zoom, AF and auto iris.
- Detachable tripod foot, compatible with Arca Swiss, Markins and Photo Clam ball heads.

Electronic

- AF-C tracking during high speed drive at up to 10fps on Sony A9. (NOT applicable to A7R Mark III or A7 Mark III, refer to footnote number [x] of Sony's A7 Mark III press release for limitations.)
- Fast contrast-detection AF on all E-mount cameras (except AF-S/DMF with Sony A9).
- Pure phase-detection autofocus support on A9, A7RII, A7II, A6500 and A6300 (the fastest).
- Supports 5-axis in-body image stabilization of A7II, A7RII and A7SII. (Distance information from lens required; 3-axis IBIS if lens does not transmit distance information.)
- Powered by camera body. No external power source required.
- Efficient switched-mode power supply.
- Supports image stabilization (IS) lenses.
- Supports electronic manual focusing (e.g. EF 85/1.2L II and discontinued EF 50/1.0L)
- EXIF support (focal length, aperture, lens name)
- Distance and zoom display on VG and FS series camcorders, A9, A7 series, A6500 and A6300 (lens with

Limitations

Autofocus

- Use of Canon Cinema lenses such as CN-E 18-80mm T4.4 for still photography is not supported. (Functional, but slower than lenses designed for still photography.)
- On Sony A9, only phase-detection autofocus is supported. Contrast-detection autofocus does not work. See firmware release notes for details.
- AF may not work if the maximum aperture of the lens plus any EF Extender or other teleconverter attached is smaller than f/8.
- The first two autofocus attempts are used to calibrate the lens and as a result may not lock successfully on the target. Half-press the shutter release button again and autofocus will lock successfully.
- Autofocus may have difficulty locking onto subjects which are very close to the nearest focusing distance of the lens.
- Autofocus accuracy depends heavily on the design and working condition of the lens. Lenses with hidden problems which may not be apparent on Canon DSLRs will lead to inaccurate and unreliable autofocus on Sony. Typical problems of this kind that we have seen include an unsmooth/erratic autofocus mechanism (e.g. getting stuck intermittently at a certain focusing distance), a faulty/worn-out distance encoder or other faulty/worn-out internal sensors.

Other

- No support for lens corrections such as peripheral shading, CA and distortion.
- Use of Canon Cinema lenses such as CN-E 18-80mm T4.4 for still photography is not supported.
- Some EF-mount lenses may make audible noises during iris changes and autofocus, which may be picked up by the built-in microphone of the camera during video recording. Use of an external microphone is advised. Some of the recently-introduced Canon-brand lenses are very quiet, however.

- distance information support required).
- Auto magnify (lens with distance information support required)
- Auto APS-C Size Capture" on full-frame cameras with Canon EF-S lenses and many third party DX lenses.

Optical/mechanical

- Felt material flocked inside the opening to reduce internal reflection.
- Fits both EF and EF-S lenses. (Vignetting at corners may occur with certain EF-S lenses because they are designed to cover a 1.6x crop image circle but Sony APS-C has a 1.5x crop factor.)
- Early Tamron VC lenses such as the AF 28-300/3.5-6.3 XR Di VC LD Aspherical [IF] Macro (model A20), AF 18-270/3.5-6.3 Di II VC LD Aspherical [IF] MACRO (model B003), SP AF 17-50mm F/2.8 XR Di II VC LD Aspherical [IF] (model B005) may not be able to freely switch between OIS and IBIS because they may not report IS activity status. Later Tamron VC lenses equipped with USD or PZD focus motors are fine.
- Some aftermarket battery grips may cause the aperture to change erroneously. This is a bug of the aftermarket battery grip but NOT arising from the Metabones Smart Adapter. Turn off the aftermarket battery grip or use a genuine Sony battery grip.

Enhancement on new MARK IV (MB_EF-E-BT4) vs. old MARK IV (MB_EF-E-BM4):

- The inner opening is lined with flocking material coating. This will further reduce internal reflection when a tilt-shift (TS) lens is used.



Disclaimer: we are NOT licensed, approved or endorsed by Sony or Canon.

Description

Tested Camera Bodies:

- A9, A7SII, A7RII, A7II, A7S, A7R, A7
- A6500, A6300, A6000, A5000
- PXW-FS7M2, PXW-FS5, PXW-FS7, NEX-FS700, NEX-FS100
- NEX-EA50, NEX-VG900, NEX-VG30, NEX-VG20, NEX-VG10
- NEX-7, NEX-6, NEX-5R, NEX-5N, NEX-5, NEX-C3, NEX-3

Lens compatibility chart

Fast AF on all E-mount cameras (phase detection AF only with Sony A9)	Tested by the community, thanks!
Canon CN-E 18-80mm T4.4 COMPACT-SERVO EF Canon CN-E 70-200mm T4.4 COMPACT-SERVO EF Canon EF 8-15mm f/4L USM Fisheye* Canon EF-S 10-18mm f/4.5-5.6 IS STM* Canon EF 11-24mm f/4L USM Canon EF 16-35mm f/2.8L USM Canon EF 16-35mm f/4L IS USM Canon EF-S 17-55mm f/2.8 IS USM Canon EF-S 18-55mm f/3.5-5.6 IS II* Canon EF 20-35mm f/3.5-4.5 USM Canon EF 24mm f/1.4L USM Canon EF 24-105mm f/4L IS USM Canon EF 28-80mm f/3.5-5.6 II Canon EF 40mm f/2.8 STM* Canon EF 50mm f/1.2L USM Canon EF 50mm f/1.4 USM Canon EF 50mm f/1.8 STM* Canon EF 70-200mm f/2.8L IS II USM* Canon EF 70-200mm f/4L IS USM Canon EF 70-200mm f/4L USM Canon EF 70-300mm f/4-5.6L IS USM* Canon EF 85mm f/1.2L II USM Canon EF 100mm f/2.8L Macro IS USM* Canon EF 100-400mm f/4.5-5.6L IS USM Canon EF 100-400mm f/4.5-5.6L IS II USM* Canon EF 180mm f/3.5L Macro USM Canon EF 200mm f/2.8L II USM Canon EF 300mm f/4L IS USM Canon EF 400mm f/5.6L USM Canon EF Extender 1.4x III Canon EF Extender 2x II Sigma 18-35mm f/1.8 DC Art Sigma 24-105mm f/4 DG OS Art Sigma 50mm f/1.4 DG HSM	Canon EF 14mm f/2.8L II USM Canon EF 24-70mm f/4L IS USM Canon EF 28-300mm f/3.5-5.6L USM Canon EF 35mm f/1.4L II USM Canon EF 35mm f/2L IS USM Canon EF 35-350mm f/3.5-5.6L USM Canon EF 70-200mm f/2.8L IS USM (Mark I) Canon EF 70-200mm f/2.8L USM (non-IS) Canon EF 75-300mm f/4-5.6 IS USM Canon EF 85mm f/1.8 USM Canon EF 400mm f/2.8L IS USM (Mark I) Canon EF 400mm f/5.6L USM Canon EF 500mm f/4L IS USM (Mark I) Sigma 12-24mm f/4.5-5.6 (Ver I) Sigma 20mm f/1.4 DG HSM Art Sigma 24mm f/1.4 DG HSM Art Sigma 35mm f/1.4 DG HSM Art Sigma 50mm f/1.4 Art Sigma 50-500mm f/4-6.3 OS HSM Sigma 70-200mm F2.8 APO EX DG OS HSM Sigma 85mm f/1.4 EX DG HSM Sigma 150mm f/2.8 Macro Sigma 150-600mm f/5-6.3 OS HSM Contemporary
	Phase-detect AF on A9, A7RII, A7II, A6500 and A6300 only, unable to contrast-detect AF accurately if at all
	Canon EF 24-70mm f/2.8L II USM Canon EF 28-70mm f/3.5-4.5 II Canon EF 35mm f/1.4L USM Canon EF 50mm f/1.8 II Canon EF 100mm f/2.8 Macro USM Canon EF 135mm f/2L USM Contax N Vario Sonnar 17-35mm f/2.8

Sigma 50-100mm f/1.8 DC HSM Art 016* Tamron SP 15-30mm f/2.8 VC USD A012* Tamron 16-300mm f/3.5-6.3 Tamron 18-200mm f/3.5-6.3 Tamron 18-250/3.5-6.3 XR Di II LD Aspherical [IF] MACRO A18 Tamron 18-270/3.5-6.3 Di II VC PZD B008 Tamron SP 24-70mm f/2.8 Di VC USD A007 Tamron SP 45mm f/1.8 Di VC USD F013* Tamron SP 70-200mm f/2.8 Di VC USD A009* Tamron 70-300mm f/4-5.6 Tamron SP 90mm f/2.8 Macro Tamron 150-600mm f/5-6.3 VC USD A011* Tokina 10-17mm f/3.5-4.5 DX Tokina 11-16mm f/2.8 DX II	Contax N Planar 50mm f/1.4 Contax N Vario Sonnar 70-200mm f/3.5-4.5 Contax N Planar 85mm f/1.4 Kenko Teleplus Pro 300 1.4x (note 1) Kenko Teleplus Pro 300 2x (note 1) Sigma 18-125mm f/3.8-5.6 DC OS HSM Tamron SP 17-50mm F/2.8 XR Di II VC LD Aspherical [IF] B005 Tamron 18-270/3.5-6.3 Di II VC LD Aspherical [IF] MACRO B003
	Manual focus only
	Samyang 35/1.4 Zeiss CP.2 25mm/T2.9 Zeiss CP.2 100mm/T2.1 Zeiss ZE Distagon 15/2.8 Zeiss ZE Distagon 21/2.8 Zeiss ZE Distagon 35/2 Zeiss ZE Makro-Planar 50/2 Zeiss ZE Makro-Planar 100/2
	Not supported
	Focus confirmation "chip" (e.g. Dandelion) Tamron 28-300/3.5-6.3 XR Di VC LD Aspherical [IF] MACRO A20 (note 2)

* with smooth iris support

Note 1: Note colour dot next to the words "Made in Japan" on the housing. Blue dot, which is the latest version, is preferred. May have compatibility issues when Kenko is used with certain lenses and/or stacked on top of another teleconverter. Stacking not supported except if both are the blue dot version.

Note 2: Unstable due to unusually high current requirement.

EF-E Product Matrix

	New Models				Current Models	
	EF-E CINE Smart Adapter	EF-E CINE Speed Booster	EF-E Smart Adapter V	EF-E Speed Booster ULTRA	EF-E Smart Adapter IV	EF-E Speed Booster ULTRA
ULTRA optics by Caldwell Photographic	No	Yes	No	Yes	No	Yes
EF-S/DX lens compatible	Yes	No	Yes	No	Yes	No
Positive lock EF mount	Yes	Yes	No	No	No	No
LED indicator	Yes	Yes	Yes	Yes	No	No
Dedicated IBIS switch	Yes	Yes	Yes	Yes	No	No
Sony FS7 Mark II compatible	Yes	Yes	Yes	Yes	No	No