

Ronin-SC Camera Compatibility List



2020.06.10 (for gimbal firmware v 1.5.0.40)

Brand	Model	Cable	Control Features	Camera Setup Method	Power up the Camera (camera powered on)	Camera Firmware Version	
Sony	A9	① Ronin-SC Multi-Camera Control Cable (Multi) (in the box) ② Ronin-SC Multi-Camera Control Cable (Type-C) (in the box) ③ Ronin-SC Multi-Camera Control Adapter (Type-C to Micro USB) (in the box)	When using ① cable: Capture photo Start/stop recording video Zoom control (digital or optical) Trigger auto focus	When using ① cable: 1. After connecting the cable, be sure to power on the Ronin-SC before the camera. Otherwise, the Ronin-SC will not recognize the camera. If the camera is not recognized, restart the camera or remove and reconnect the cable to the camera. 2. Optical zoom can be controlled through the Ronin-SC Focus Wheel (only lenses with built-in power zoom, such as the Sony E PZ 18-105 mm F4 G OSS). If a non-Power Zoom lens is mounted, the Focus Wheel will control digital zoom. Digital zoom must be enabled in your camera's settings. 3. After connecting with a Sony camera using the ① cable, if you need to swap to a camera of other manufacturers then a gimbal reboot is required.	When using ① cable: NO When using ② + ③ cable: YES	v3.10	
	A6400			When using ② + ③ cables: 1. Set the camera to MF mode. 2. Select "Network" and then turn off "Ctrl w/Smartphone". 3. Set the USB Connection to PC remote. 4. The Optical Image Stabilization of the camera will be disabled when using MCC-C cable, but OIS of the lens will not be affected. 5. When using the focus control electronically, if the lens has AF/MF modes, set it to AF mode, otherwise the electronic focus control function cannot be used.		v2.00	
	A7R III			Note: When using the ② + ③ cable, the camera may not be able to use playback. In this case, put the gimbal in sleep mode.		v1.10	
	A7R IV		When using ① cable: Capture photo Start/stop recording video Zoom control (digital or optical) Trigger auto focus	When using ① cable: 1. After connecting the cable, be sure to power on the Ronin-SC before the camera. Otherwise, the Ronin-SC will not recognize the camera. If the camera is not recognized, restart the camera or remove and reconnect the cable to the camera. 2. Optical zoom can be controlled through the Ronin-S Focus Wheel (only lenses with built-in power zoom, such as the Sony E PZ 18-105 mm F4 G OSS). If a non-Power Zoom lens is mounted, the Focus Wheel will control digital zoom. Digital zoom must be enabled in your camera's settings. 3. After connecting with a Sony camera using the ① cable, if you need to swap to a camera of other manufacturers then a gimbal reboot is required.	When using ① cable: NO When using ② cable: YES	v1.00	
	A7 III			When using ② cables: 1. Set the camera to MF mode. 2. Select "Network" and then turn off "Ctrl w/Smartphone". 3. Enable PC remote in the camera settings. 4. Optical Image Stabilization of the camera will be disabled when using MCC-C cable, but OIS of the lens will not be affected. 5. When using the focus control electronically, if the lens has AF/MF modes, set it to AF mode, otherwise the electronic focus control function cannot be used.		v1.01	
	A7R II	① Ronin-SC Multi-Camera Control Cable (Multi) (in the box)	Capture photo Start/stop recording video Zoom control (digital or optical) Trigger auto focus	1. After connecting the cable, be sure to power on the Ronin-SC before the camera. Otherwise, the Ronin-SC does not recognize the camera. If the camera is not recognized, restart the camera or remove and reconnect the cable to the camera. 2. Optical zoom can be controlled through the Ronin-SC Focus Wheel (only lenses with built-in power zoom, such as the Sony E PZ 18-105 mm F4 G OSS). If a non-Power Zoom lens is mounted, the Focus Wheel will control digital zoom. Digital zoom must be enabled in your camera's settings. 3. After connecting with a Sony camera using the ① cable, if you need to swap to a camera of another brand then a gimbal reboot is required.	NO	v4.00	
	A7S II					v3.00	
	A7 II					v4.00	
	A7S					v3.20	
	A7					v3.20	
	A6600					/	
	A6500					v1.05	
	A6300					v1.10	
	A6100					/	
	A6000					v3.20	
	Rx100 VII					/	
	Rx100 VI					/	
	Rx100 V					/	
	Rx10 IV					/	
	Rx10 III					/	
Nikon	Z6	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box)	Start/stop recording video Capture photo Pull focus electronically Trigger auto focus	1. To pull focus with Ronin-SC, set the lens focus mode to A, and make sure the camera focus mode is set to AF-S/AF-C. 2. Ensure live view on camera stays on when used with Ronin-SC. 3. Peaking highlights can only be displayed in MF mode. To use focus pull on Ronin-SC, the camera must be set to AF mode. In that case, peaking highlights cannot be displayed.	Camera powered on state: it will not power the camera Camera powered off state: using EN-EL15b battery, it will power the camera	v1.00	
	Z7	v1.01					
	Z50	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box) + ① Ronin-SC Multi-Camera Control Adapter (Type-C to Micro USB) (in the box)				v1.00	
	D810	Due to the limit of D810 camera software, users can only take photos and record videos when the camera screen is blank.		The camera screen is blank after connecting the camera control cable. The monitor screen is also blank when connecting the HDMI cable.		/ v1.12	
	Z6	v1.00					
Canon	EOS R	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box)	Start/stop recording video Capture photo Pull focus electronically Trigger auto focus	1. Due to various lens focus control mechanisms, when using the Ronin-SC to pull focus, you may need to set camera focus mode to AF. 2. When switched to Photo mode, the camera won't respond to video-capturing commands; when switched to video mode, the camera won't respond to photo-capturing commands. 3. Using adapter with EF lenses will increase the latency of focus.	NO	v1.0.0	
	EOS RP					v1.1.0	
	EOS M6 Mark II					v1.0.0	
	90D	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box) + ① Ronin-SC Multi-Camera Control Adapter (Type-C to Micro USB) (in the box)	Start/stop recording video Capture photo Pull focus electronically Trigger auto focus	1. The focus speed should be set to lower than 10 when using the focus pull. 2. When switched to Photo mode, the camera won't respond to video-capturing commands; when switched to video mode, the camera won't respond to photo-capturing commands.		v1.0.0	
	EOS M50	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box) + ① Ronin-SC Multi-Camera Control Adapter (Type-C to Micro USB) (in the box)				v1.0.2	
	G7 X Mark III	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box)	Start/stop recording video Capture photo Trigger auto focus	The tilt axis of the gimbal cannot be balanced. It is recommended to perform auto tune for better use.		v1.2.0	
	GH5	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box)	Start/stop recording video Capture photo Pull focus electronically Trigger auto focus	1. Choose PC (Tether) mode upon connection. 2. To pull focus with Ronin-S, the focus mode toggle on the camera should be set to MF. 3. To trigger camera's auto focus, half press the Camera Control button on the gimbal and ensure the camera's focus mode is set to AFS/AFF/AFC.	YES	v2.2	
	GH5S	v1.1					
	G9	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box) + ② Ronin-SC Multi-Camera Control Adapter (Type-C to Micro USB) (in the box)				v1.2	
Panasonic	GH3	① Ronin-SC RSS Control Cable for Panasonic (RSS-P) (optional)	Start/stop recording video Capture photo Trigger auto focus	Due to the limited space of the Ronin-SC equipped with a camera and lens, there are restrictions on the size and weight of the mounted lens. Please choose according to the actual situation.	NO	v1.1	
	G95					v1.1	
	GH4					v2.6	
	X-H1	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box) + ② Ronin-SC Multi-Camera Control Adapter (Type-C to Micro USB) (in the box)	When using ① + ② cable: Capture photo Trigger auto focus	When using ① + ② cable: 1. Set PC connection mode to "USB Auto Mode." 2. The camera buttons' functions are not supported during the connection. To use the camera buttons' functions, make sure the gimbal is in sleep mode.	When using ① + ② cable: YES When using ③ cable: NO	v2.01	
FUJIFILM	X-T2	③ Ronin-SC RSS Control Cable for FUJIFILM (optional)	When using ③ cable: Start/stop recording video Capture photo Trigger auto focus			v4.30	
	X-T3	① Ronin-SC Multi-Camera Control Cable (Type-C) (in the box) ② Ronin-SC RSS Control Cable for FUJIFILM (optional)	When using ① cable: Capture photo Trigger auto focus Pull focus electronically Start/stop recording video When using ② cable: Start/stop recording video Capture photo Trigger auto focus	When using ① cable: 1. Set PC connection mode to "USB Auto Mode." 2. The camera buttons' functions are not supported during the connection. To use the camera buttons' functions, make sure the gimbal is in sleep mode. 3. Note that the camera is unable to auto focus in video recording mode.	When using ① cable: YES When using ② cable: NO	v3.10	
	X-T4	① Ronin-SC RSS Control Cable for FUJIFILM (optional)	When using ② cable: Capture photo Trigger auto focus	Requires camera settings: MOVIE SETTING->MIC/REMOTE RELEASE->REMOTE.	No	v1.00	
	X-T20		Start/stop recording video Capture photo Trigger auto focus			v2.01	
	X-T30		Start/stop recording video Capture photo Trigger auto focus			v1.00	
	X100V		Start/stop recording video Capture photo Trigger auto focus			v1.10	
	X-E3		Start/stop recording video Capture photo Trigger auto focus			v1.22	

Notes:

- The current camera firmware version that was used during these compatibility tests.
- The form will be continuously updated as more compatibility is added and is subject to change without notice.
- The information in the lens compatibility table will be continuously updated after testing is completed. Other lenses not listed in the table may be compatible if mechanical balance can be achieved on the Ronin-SC.
- In order to reduce the overall weight, the Ronin-SC's balance dimensions are limited, so some cameras can not enter flashlight mode after balancing. If listed to support flashlight mode, the test is carried out in a state where only the camera is installed (the viewfinder's eyecup may need to be removed). This list is for reference only, please refer to the actual user.
- Some cameras may not be able to shoot when proper focus has not been achieved due to focus speed or in a complex environments such as low light situations. If there's an issue with the shutter or rec button not responding properly in these situations, manual focus mode is recommended.
- When using intelligent functions such as timelapse, it is recommended to turn off the camera's auto review (Sony) or image confirmation (Canon) to reduce system latency.
- Due to manufacturing changes from various camera manufacturers, the weight range calculated in the table is for reference only. Total weight calculation (camera + lens + phone holder + iPhone XS + focus motor).
- An iPhone6 was used as the model for illustration of the phone holder installation. Due to the variety of mobile phones, the installation position may be different. The installation support status in this table is for reference only. Please refer to the actual installation.
- Some cameras will draw power from the gimbal due to the limitations of the USB protocol which will have different effects on the battery life of Ronin-SC.
- The gimbal's range of motion might be restricted if the listed lens doesn't support flashlight mode after balancing.
- The Ronin-S/SC Focus Wheel is required to use focus pull. If the Ronin-S/SC Focus Wheel is not included in your purchase, purchase it separately.

Ronin-SC Lens Compatibility List



		Adaptation status				Mechanical adjustment of four combined installations						Reference link
Brand	Model	Lens	Total weight range (lowest)	Total weight range (highest)	Camera Riser Required (with camera only)	Flashlight mode (with camera only)	Camera	Camera+Phone	Focus Motor+ Camera	Focus Motor+ Camera+Phone(1)	Remarks	
SONY	A7R III A7 III A9 A7S II A7R II A7 II	E 10-18mm F4 OSS	1233	1265	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/b6796534-b58c-49a3-a348-77a75d1fb14?autoplay=false&poster=0
		FE 12-24mm F4 G	1573	1605	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/b6c25bfb-bcd5-480a-a15f-2a6bcb5ee713?autoplay=false&poster=0
		FE 16-35mm F2.8 GM	1688	1720	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only). It is recommended to use Ronin-S/SC L-Bracket Plate with Counterweight for best performance. (https://store.dji.com/product/ronin-s-i-bracket-plate-with-counterweight)	https://cdn.djivideos.com/watch/e01e3ed10-0581-41d6-852a-2e2329163b42?autoplay=false&poster=0
		Vario-Tessar FE 24-70mm F4 ZA OSS	1434	1466	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/ea2031bf-6ae3-4158-a952-9d782985bd96?autoplay=false&poster=0
		FE 24-70 F2.8 GM	1894	1926	YES	NO	YES	NO	NO	NO	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only). It is recommended to use Ronin-S/SC L-Bracket Plate with Counterweight for best performance. (https://store.dji.com/product/ronin-s-i-bracket-plate-with-counterweight)	https://cdn.djivideos.com/watch/e2731ab-3bb2-42fd-8722-01fe167515814?autoplay=false&poster=0
		Zeiss E 16-70 F4 OSS	1316	1348	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/c73c7129-23ed-4596-a829-a95cdcc375c5?autoplay=false&poster=0
		E PZ 18-105mm F4 G OSS	1435	1467	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/b823d0e94-9711-4e12-8928-87448e7fd44?autoplay=false&poster=0
		E PZ 18-200mm F3.5-6.3 OSS LE	1657	1689	/	NO	NO	NO	NO	NO		/
		FE 28mm F2	1208	1240	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/c423feef14-adab-4e12-be15-fe0c10fb96c4?autoplay=false&poster=0
		Zeiss FE 35mm F2.8 ZA	1128	1160	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/19bd5814-afc2-4fb8-9b8f-cba469abb0b5?autoplay=false&poster=0
		Sigma 30mm f/1.4 DC DN	1273	1305	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/97734220-aef6-4b21-91b5-4d9981194659?autoplay=false&poster=0
		Sigma 35mm f1.4 DG HSM Art	1638	1670	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only). It is recommended to use Ronin-S/SC L-Bracket Plate with Counterweight for best performance. (https://store.dji.com/product/ronin-s-i-bracket-plate-with-counterweight)	https://cdn.djivideos.com/watch/01a12d7d-4d66-48cc-b41b-024dbd95b773?autoplay=false&poster=0
		FE 55mm F1.8	1289	1321	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/3f43d54c-f196-46e6-a893-5f27995cb43?autoplay=false&poster=0
		FE 50mm F2.8 MACRO	1244	1276	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/ad29e04f-fe30-4965-aaf8-2f12397de05?autoplay=false&poster=0
		FE 4/24-105 G OSS	1671	1703	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only). It is recommended to use Ronin-S/SC L-Bracket Plate with Counterweight for best performance. (https://store.dji.com/product/ronin-s-i-bracket-plate-with-counterweight)	https://cdn.djivideos.com/watch/69b2384d-528c-482d-41d6-b786-4d325b642e6e?autoplay=false&poster=0
		E 3.5-5.6/PZ 16-50 OSS	1158	1190	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/96a55a81-01e5-4925-ab6d-160ade56cdf?autoplay=false&poster=0
		FE 24mm F1.4 GM	1453	1485	NO	YES	YES	YES	YES	YES		https://www.djivideos.com/watch/e0b4ce0c-16e2-4c41-8c08-6a3a5450caa?autoplay=false&poster=0
		FE 85mm F1.4 GM	1908	1940	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only). It is recommended to use Ronin-S/SC L-Bracket Plate with Counterweight for best performance. (https://store.dji.com/product/ronin-s-i-bracket-plate-with-counterweight)	https://cdn.djivideos.com/watch/b94813d1-b7a2-4eca-bbf1-5bd28799723c?autoplay=false&poster=0
		E 10-18mm F4 OSS	1036	1087	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/5c7d0a8-995e-43b8-bd60-8a2aaa-b78353?autoplay=false&poster=0
		FE 12-24mm F4 G	1376	1427	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/14393e2c-7828-41a9-8d1c-3f06e713d8ff?autoplay=false&poster=0
		FE 16-35mm F2.8 GM	1491	1542	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only). It is recommended to use Ronin-S/SC L-Bracket Plate with Counterweight for best performance. (https://store.dji.com/product/ronin-s-i-bracket-plate-with-counterweight)	https://cdn.djivideos.com/watch/67953d-ee3d-4c33-8326-2244c2710b17?autoplay=false&poster=0
		Vario-Tessar FE 24-70mm F4 ZA OSS	1237	1288	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/660adaae-559a-48cd-82d3-1de605c57e2?autoplay=false&poster=0
		FE 24-70 F2.8 GM	1697	1748	/	NO	NO	NO	NO	NO		/
		Zeiss E 16-70 F4 OSS	1119	1170	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/916a208-805e7-47dc-a599-734817602acc?autoplay=false&poster=0
		E PZ 18-105mm F4 G OSS	1238	1289	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/e662e03a-3a47-42f4-b27e-ea39802a35d2?autoplay=false&poster=0
		E PZ 18-200mm F3.5-6.3 OSS LE	1460	1511	/	NO	NO	NO	NO	NO		/
		FE 28mm F2	1011	1062	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/c756d5c8-d57-4b6a-98c8-4cf0e2689b59?autoplay=false&poster=0
		Zeiss FE 35mm F2.8 ZA	931	962	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/9fe7565f-cbfe-4277-93c3-37614d68c7f3?autoplay=false&poster=0
		Sigma 30mm f/1.4 DC DN	1076	1127	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/18577d5d-bae3-431f-8cfe-93d1aa0daac7?autoplay=false&poster=0
		Sigma 35mm f1.4 DG HSM Art	1441	1492	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only). It is recommended to use Ronin-S/SC L-Bracket Plate with Counterweight for best performance. (https://store.dji.com/product/ronin-s-i-bracket-plate-with-counterweight)	https://cdn.djivideos.com/watch/d7615bc-fa06-495b-9fe7-5554042b666b?autoplay=false&poster=0
		FE 55mm F1.8	1092	1143	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/1662500b-aaa0-4c64-92dc-75435e22276?autoplay=false&poster=0
		FE 50mm F2.8 MACRO	1047	1098	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/941b71e-fe16-4f19-9619-ae862e7dc?autoplay=false&poster=0
		FE 4/24-105 G OSS	1474	1525	YES	NO	YES	YES	YES	YES	Use of counterweights	