

Ronin-SC Camera Compatibility List



Brand	Model	Cable	Control Features	Camera Setup Method	Charge The Camera(Camera powered on state)	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: Start/stop recording video Pull focus electronically Trigger auto focus	When using ② + ③ cables: 1. Set the camera to MF mode. 2. Select "Network" and then turn off "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. 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.		v2.00
	A7R III	① Ronin-SC Multi-Camera Control Cable(Multi)(in the box) ② Ronin-SC Multi-Camera Control Cable(Type-C)(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-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	v1.10
	A7 III		When using ② cables: Start/stop recording video Pull focus electronically Trigger auto focus	When using ② cables: 1. Set the camera to MF mode. 2. Select "Network" and then turn off "Smartphone". 3. Set the USB Connection to PC remote. 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. Note: When using the ② cable, the camera may not be able to use playback. In this case, put the gimbal in sleep mode.		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
	A7M II					v4.00
	A7S					v3.20
	A7					v3.20
	A6500					v1.05
	A6300					v1.10
	A6000					v3.20
	RX100 V	/				
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.	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
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			1. When using the Camera Control button's auto focus, make sure the camera focus mode is set to AF		v1.0.1
	M50	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)				v1.0.2
Panasonic	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.		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)		YES	v1.2	
	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
	GH4					v2.6
FUJIFILM	X-H1	① Ronin-SC Multi-Camera Control Cable(Type-C)(in the box) +	Capture photo Trigger auto focus	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.	YES	v2.01
	X-T2	② Ronin-SC Multi-Camera Control Adapter(Type-C to Micro USB) (in the box)				v4.30
	X-T3	① Ronin-SC Multi-Camera Control Cable(Type-C)(in the box)				v3.00

Notes:
1. The current camera firmware version that was used during these compatibility tests.
2. The form will be continuously updated as more compatability is added and is subject to change without notice.
3. 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.
4. 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 use.
5. Some cameras may not be able to shoot when proper focus has not been achieved due too 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.

6. 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.
7. Due to manufacturing changes from various camera manufactures, the weight range calculated in the table is for reference only. Total weight calculation (camera + lens + phone holder + iPhone XS + focus motor).
8. 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.
9. 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.
10.The gimbal's range of motion might be restricted if the listed lens doesn't support flashlight mode after balancing.

Ronin-SC Lens Compatibility List



		Adaptation status					Mechanical adjustment of four combined installations					
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	Reference link
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/6b796534-b58c-49a3-a348-77a754d1fb14?autoplay=false&poster=
		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=
		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)	https://cdn.djivideos.com/watch/01e3ed10-0581-41d6-852a-2e2329163b42?autoplay=false&poster=
		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=
		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)	https://cdn.djivideos.com/watch/e27310ab-3bb2-42fd-8722-018f67515814?autoplay=false&poster=
		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=
		E PZ 18–105mm F4 G OSS	1435	1467	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/823d0e94-9711-4e12-8928-87448e7fd47?autoplay=false&poster=
		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/423fee14-ada8-4612-be15-fe0c10fb96c4?autoplay=false&poster=
		Zeiss FE 35mm F2.8 ZA	1128	1160	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/19bd5814-afc2-4fb8-9b8f-cba469abbbb9?autoplay=false&poster=
		Sigma 30mm f/1.4 DC DN	1273	1305	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/97734220-ae6f-4b2f-91b5-4d9981194659?autoplay=false&poster=
		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)	https://cdn.djivideos.com/watch/01a12d7d-4d66-48cc-b41b-024dbd95b773?autoplay=false&poster=
		FE 55mm F1.8	1289	1321	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/3f43d54c-f196-46e6-a893-5f527995cb43?autoplay=false&poster=
		FE 50mm F2.8 MACRO	1244	1276	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/ad29e04f-fe30-4965-aa8f-26f21397de05?autoplay=false&poster=
		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)	https://cdn.djivideos.com/watch/69b2384d-528c-41d6-b786-4d325b642e6e?autoplay=false&poster=
		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=
		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)	https://cdn.djivideos.com/watch/b94813d1-b7a2-4eca-bbf1-5bd28799723c?autoplay=false&poster=
	A6500 A6400 A6300	E 10–18mm F4 OSS	1036	1087	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/5c7d80a8-995e-43b8-bd60-8a2aa7b8353?autoplay=false&poster=
		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=
		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)	https://cdn.djivideos.com/watch/6f7953dc-ee3d-4c33-8326-2244c2710b17?autoplay=false&poster=
		Vario-Tessar FE 24-70mm F4 ZA OSS	1237	1288	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/660adaae-559a-48cd-82d3-1de605c57e2f?autoplay=false&poster=
		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/916a0208-85e7-47dc-a599-734817602acc?autoplay=false&poster=
		E PZ 18–105mm F4 G OSS	1238	1289	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/e6e2e03a-3a47-42f4-b27e-ea39802a35d2?autoplay=false&poster=
		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/c756d5c8-8d57-4b6a-98c8-4cf0e2689b59?autoplay=false&poster=
		Zeiss FE 35mm F2.8 ZA	931	982	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/9f67565f-cbef-4277-93c3-37614d68c713?autoplay=false&poster=
		Sigma 30mm f/1.4 DC DN	1076	1127	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/1857fd5d-bae3-431f-8cfe-93d1aa0daac7?autoplay=false&poster=
		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)	https://cdn.djivideos.com/watch/df7615bc-fa06-495b-9f7e-5554042f866b?autoplay=false&poster=
		FE 55mm F1.8	1092	1143	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/1662500b-aaa0-4c64-92dc-75435e22276f?autoplay=false&poster=
		FE 50mm F2.8 MACRO	1047	1098	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/94a1b71e-fe16-4f96-a91b-1a1ae862e7dd?autoplay=false&poster=
		FE 4/24-105 G OSS	1474	1525	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only)	https://cdn.djivideos.com/watch/132f5f46-eb35-471b-bdcf-a513e93f1fa2?autoplay=false&poster=
		E 3.5-5.6/PZ 16-50 OSS	961	1012	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/4fb34c3a-1a48-4c45-8f66-31419f7399d?autoplay=false&poster=
		FE 85mm F1.4 GM	1711	1762	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only)	https://cdn.djivideos.com/watch/ea95ecc3-81d0-4aba-bca3-abfcf90c62ee?autoplay=false&poster=
	RX100 V	/	/	/	YES	YES	YES	YES	NO	NO	Use of Camera Cage are needed	https://cdn.djivideos.com/watch/6231fa4d-3564-4f6f-be00-08890c409f8c?autoplay=false&poster=
Panasonic	GH5S GH5 G9	LEICA DG SUMMILUX 15mm f/1.7 ASPH	1225	1292	NO	YES	YES	YES	NO	NO	Due to lens and camera size limitations, it is currently not possible to install a focus motor	https://cdn.djivideos.com/watch/92a0b611-0d7f-4c70-b652-28881a05609e?autoplay=false&poster=
		LEICA DG SUMMILUX 25mm f/1.4 ASPH	1235	1302	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/aa1c5374-8fc6-47ad-a5d2-9951edf9d7b2?autoplay=false&poster=
		LEICA DG MACRO 45mm f/2.8 OIS	1335	1402	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/c598109c-a796-4913-a45a-80fcd27e68d1?autoplay=false&poster=
		LEICA DG Vario-Elmarit 8-18mm f/2.8-4.0 ASPH	1425	1492	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/0f036504-8d5b-442f-9670-0f7c6119839d?autoplay=false&poster=
		LEICA DG Vario-Elmarit 12-60 f/2.8-4 Power OIS	1430	1497	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/cb1d728b-5a67-4eda-ba55-6190af8dad5e?autoplay=false&poster=
		LUMIX G X Vario 12-35mm f/2.8 II ASPH POWER OIS	1415	1482	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/e1b133d3-58cd-4c79-9d09-8a547efcd8078?autoplay=false&poster=
		LUMIX G 14-140mm f/4-5.8 OIS	1375	1442	NO	YES	YES	YES	YES	YES		/
Nikon	Z6 Z7	NIKKOR Z 35mm f/1.8	1497	1497	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/c1a71df7-e990-4ff3-ba25-3f824b860e2b?autoplay=false&poster=
		NIKKOR Z 50mm f/1.8 S	1542	1542	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/6033bb58-5b33-4b43-aea1-447e2d6174dd?autoplay=false&poster=
		NIKKOR Z 24-70mm f/4 S	1627	1627	YES	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/271b705a-f21b-4127-b9ff-5edf587bc1f1?autoplay=false&poster=
		NIKKOR Z 14-30mm f/4 S	1612	1612	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/6b5acb36-cb70-4383-b63a-866e8ffed2d?autoplay=false&poster=
		RF 35mm F1.8 MACRO IS STM	1242	1417	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/b47ee6b5-5f65-4164-950b-0166d76061e7?autoplay=false&poster=
Canon	EOS R	RF 50mm F1.2L USM	1887	2062	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only)	https://cdn.djivideos.com/watch/30cc89df-4e94-4f9d-bbf0-fd0aa576fd0e?autoplay=false&poster=
		RF 28-70mm F2L USM	2367	2542	/	NO	NO	NO	NO	NO		/
		RF 24-105mm F4L IS USM	1637	1812	YES	NO	YES	YES	YES	YES	Use of counterweights are needed to offset positioning enabling the use of flashlight mode (camera only)	/
FUJIFILM	M50	EF-M 15-45mm F3.5-6.3 IS	972	972	YES	YES	YES	NO	NO	NO		/
	X-T2 X-T3	XF 16mm 1:1.4 R WR	1334	1366	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/23669bf1-40b9-40f0-b08d-c1e825da8396?autoplay=false&poster=
		XF 23mm 1:1.4 R	1259	1291	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/0a245257-1433-4f44-b99e-19ecf4180178?autoplay=false&poster=
		XF 35mm 1:1.4	1146	1178	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/b6db2ce3-edf3-4c4d-ad4d-da6553d38f15?autoplay=false&poster=
		XF 10-24mm f/4.0 R OIS	1459	1491	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/e89259e4-0fee-437d-9754-3a4775f6e947?autoplay=false&poster=
		XF 16-55mm 1 : 2.8 R LM WR	1614	1646	YES	NO	YES	YES	YES	YES		https://cdn.djivideos.com/watch/ee6573ca-82a7-4e7b-8d6c-55dc79df3b7a?autoplay=false&poster=
		XF 18-55mm 1:2.8-4 R OIS	1269	1301	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/08c59c26-56ad-47d3-945a-18da0863f666?autoplay=false&poster=
		XF 18-135mm f/3.5-5.6 R LM OIS WR	1449	1481	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/cbd6241f-30c5-47a0-bfb9-abf034691dde?autoplay=false&poster=
	X-H1	XF 16mm 1:1.4 R WR	1500	1500	NO	YES	YES	YES	YES	YES		https://cdn.djivideos.com/watch/92f14e63-7532-42cc-b57d-db50b6b4c4fc?autoplay=false&poster=
		XF 23mm 1:1.4 R	1425	1425	NO	YES	YES	YES	YES	YES		