

## Canon U.S.A., Inc. Media Alert

### Subject: Details Regarding Canon EOS R5/EOS R6 Overheating During Video Recording

The EOS R5, one of the latest additions to Canon's full-frame mirrorless camera line, offers class-leading autofocus with high-resolution and high frame rate video recording options using the maximum width of the full-frame sensor at high bit rates. Inevitably, this combination of features has potential to generate some significant heat, which will limit recording time.

Canon has taken several steps to manage the potential for overheating, including:

- Magnesium alloy was used in the body to dissipate heat away from internal components
- An "overheat control" function to reduce heat generation when the camera is in standby

In regard to the installation of a fan: The decision not to install a fan within the body was made in order to maintain the EOS R5's compact size, lightweight construction and weather resistance.

Before recording starts, the EOS R5 and EOS R6 display an estimate of the recordable time based on the current camera temperature and the set recording mode.

Canon has published and included below the approximate recording and estimated recovery times for 23°C / 73°F environments and ensure that the camera will warn users when it is getting too hot. Additionally, tips to reduce overheating as well as recovering time are listed below.

If you have any questions, please contact the Canon U.S.A. PR team at: [pr@cusa.canon.com](mailto:pr@cusa.canon.com)

#### Timing:

Model	Resolution and Frame Rate	Mode	Approx. shooting time (23°C / 73°F) <sup>*1</sup>	Recommended scene
EOS R5	8K 30p	Full Sensor Width	20min	8K productions where a full-frame mirrorless can be utilized to get unique angles alongside a main camera or additional cropping for 4K productions
		Full Sensor Width RAW	20min	As above but with the additional workflow flexibility of RAW
	4K 120p	Full Sensor Width	15min <sup>*2</sup>	Shorter bursts of slow motion
		Full Sensor Width	35min <sup>*3</sup>	High-frame rate high resolution productions and independent films
	4K 60p	APS-C Crop (5.1K Oversampled)	25min	When additional reach is required with higher frame rates – e.g. wildlife and sports and news gathering within a 4K production or even for tighter Full HD crops in post.
		Full Sensor Width	Not limited by heat	Interviews, longer duration capture such as weddings.
EOS R6	4K 30p	Full Sensor Width High Quality (8.2K oversampling)	30min	When additional resolution is required with a 4K30p production or for a Full HD workflow where cropping can be desirable with high resolution.
		APS-C Crop (5.1K Oversampled)	Not limited by heat	When additional reach is required – e.g. wildlife and sports and news gathering within a 4K production or even for tighter Full HD crops in post.
	4K 60p	94% sensor width (5.1K oversampling)	30min	Independent films shooting action or with the option of slow motion at high resolution
		APS-C Crop	35min <sup>*3</sup>	Independent films shooting action at high resolution with the need for additional reach for sports or wildlife or tighter crops
	4K 30p	94% sensor width (5.1K oversampling)	40min <sup>*3</sup>	General purpose

<sup>\*1</sup> Time available for continuous shooting in 23°C / 73°F environment, from a cold start. If the camera is in LV mode standby before shooting or the ambient temperature is high, the shooting time may be shorter.

<sup>\*2</sup> Recording stops at 7minutes and 30seconds for high frame rate video. Indicates the time when recording can be resumed immediately.

<sup>\*3</sup> Recording is limited to 29 minutes 59seconds. Indicates the time when recording can be resumed immediately.

#### How can you reduce heat buildup in the EOS R5?

- Set Overheat Control function to "ON" (default). When the overheat control function is enabled, the movie size and frame rate are automatically changed while the camera is in standby mode to suppress the rise of the internal temperature
- Between recordings, it is recommended to turn off the camera
- Position the camera out of direct sunlight
- Use an external fan to dissipate heat

#### How long will it take for the camera to recover?

Estimated camera recovery times are indicated below. The time until full record time is available will vary with ambient temperature, continued camera operation and the selected shooting resolution.

Resolution and frame rate	Waiting period (minutes) (23°C / 73°F)	Approximate maximum recording time after waiting period (minutes)
8K30p	10	3
8K30p	20	8
4K60p	10	10

### **What about the EOS R6?**

Like the EOS R5, the EOS R6 offers powerful movie recording and stills capabilities within a compact body design. At the highest frame rates and resolutions heat is inevitably generated. We believe the EOS R6 offers best in class performance, especially for enthusiast photographers and video content creators.

The EOS R6 can record up to the 29 minutes 59 second recording limit in the 5.1K oversampled 4K 60p mode at (23°C / 73°F) before encountering any heat related issues within the camera and up to 40 minutes of 4K at 30p.

### **For more information, please visit:**

<https://www.usa.canon.com/internet/portal/us/home/products/details/cameras/eos-dslr-and-mirrorless-cameras/mirrorless/eos-r5> and

<https://www.usa.canon.com/internet/portal/us/home/products/details/cameras/eos-dslr-and-mirrorless-cameras/mirrorless/eos-r6>