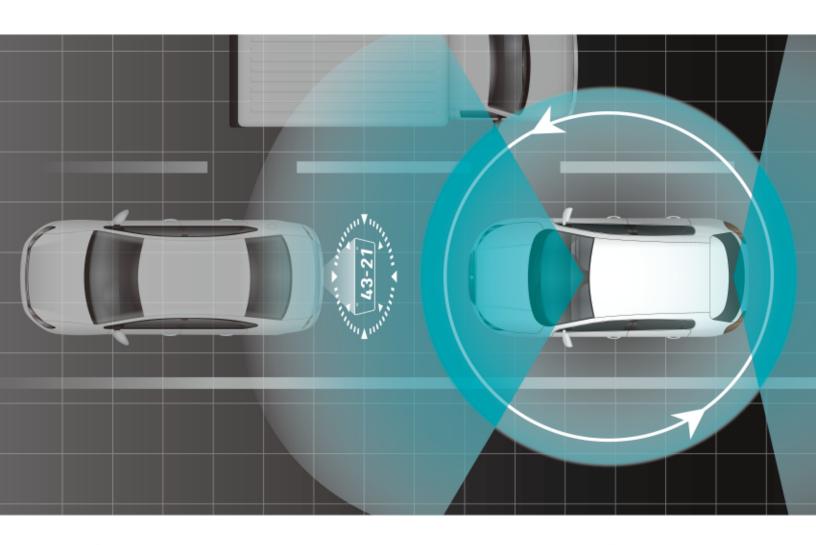


d'Action 360



360° Drive Recorders

High-resolution video recording for front and rear. 360° camera for monitoring inside and outside of your vehicle.



Front



Equipped with onsemi CMOS image sensor. High quality image recording particularly specialized for license plate recognition.

Around 360°



Panoramic video recording





with 360° lens.

Rear



Equipped with Sony STARVIS™ CMOS image sensor. Record clearly through tinted windows even at night.

All-Around Drive Recorder with 3 cameras, for front, rear and 360°

DC4000RA



Simultaneous recording of not only front and rear directions, but inside and outside of your vehicle



Around 360°



Rear



ront



Around 360°

360° camera records all around your vehicle



Seamless and 360° recording. The 360° camera records both sides and interior of your vehicle. Infrared LED for brighter nighttime recognition of vehicle interior *1

Rear

Rear camera records through tinted window



High-quality nighttime recording is ensured with STARVIS™ CMOS Image Sensor, and good for both OEM and aftermarket tinted windows.

Front

Front camera for clear recognition of license plates





The F/1.5 lens allows for bright nighttime recording. HDR "2 and WDR technologies to reduce white out and black out highlights. The front scene, including license plates are clearly recorded.

^{*1:} Due both to the characteristics of infrared LED and the specifications of 360° camera, recorded image/movie of certain subjects may become more reddish.
*2: Due to the characteristics of HDR, recorded image/movie may become paler and whiter.

360° recording while unattended

When using Parking Option DC203A (sold separately), the camera automatically switches to Parking Mode as soon as the car engine is turned off. Let the camera monitor, detect and record incidents such as door dings and hit-and-runs even while your car is unattended.

* The sensitivity of impact detection may vary depending on the setting and your vehicle model. The camera does not record unless it detects an impact.





Event Recording in Parking Mode

With the car engine turned off, G-Sensor activates and the camera starts recording as soon as it detects more impact than the setted G-Sensor sensitivity.





Up to 12 hours of recording on 3 cameras, and 48 hours on 360° camera alone



Up to 12 hours All cameras



Simultaneous recording on 3 cameras allows for capturing what happens around your parked car, such as license plate numbers.

After Recording

Up to 48 hours 360° camera only

hours Impact detection

2 30 seconds

Ideal for a long-hour recording, such as at home.

Large 2.7-inch LCD display

Easy and intuitive on-screen operation

Camera indicator

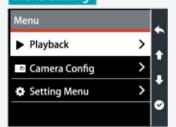




Error indicator



Menu setting



Software for PC

Use d'Action 360 software to play all recorded videos at the same time. Nighttime videos can be adjusted to be clearer using the brightness adjuster.



Privacy Protection Blur

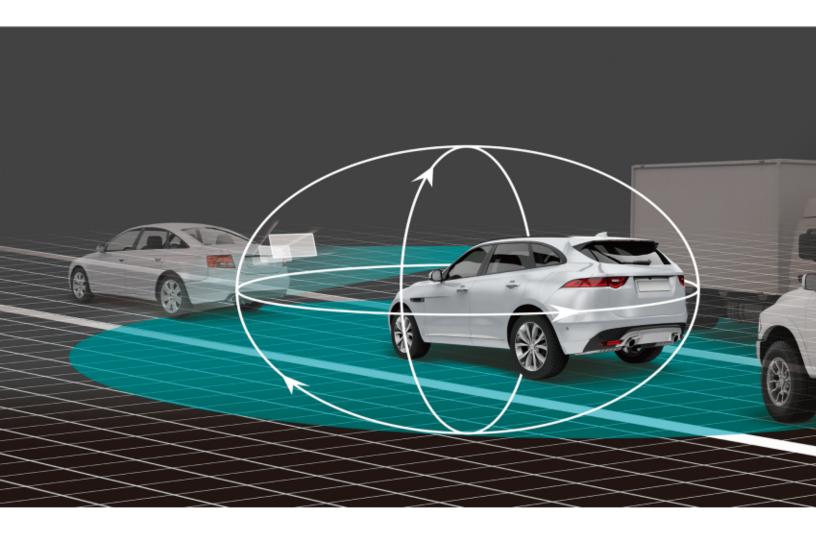


Blur effects can be applied to recorded videos.



 Visit the website to check the minimum system requirements for d'Action 360 software

360° camera without a blind spot





Record outside and inside of the car with dual 360° lenses.

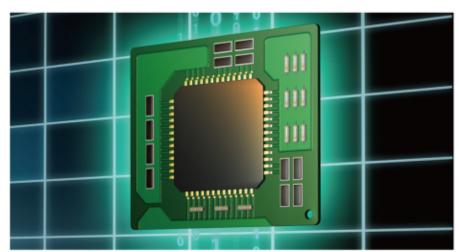


Records in all directions with





360°×360° model.



Backside illumination CMOS image sensor is equipped for highly sensitive, nighttime recording.

Record with two 360° lenses One camera records in all directions

DC5000A



Record the road ahead in higher definition Dual-recording function







2 Dual-recording function



While the 4.1 megapixel, 360° recording function records what happens around your car, the 2 megapixel dual recording function records in front in high resolution. This simultaneous recording is ideal for clearly recording the road ahead, including license plates and scenic roads.

Get ready for road rages and sideswipes

Whole area, from front to rear, and inside and outside of your car is recorded.

With the added 360° camera, you can record potential aggressive drivers who tail too closely, sideswipe, or cut abruptly in front of you.

Record the car interior at the same time.











360° recording while unattended

Use Parking Option DC201A (sold separately) to keep the camera ready to monitor, detect and record incidents, even with the car engine turned off.

The 360° camera captures all scenes such as door dings and hit-and-runs in parking lots.

* The sensitivity of impact detection may vary depending on the setting and your vehicle model. The camera does not record unless it detects an impact.



Theft from car



Door ding

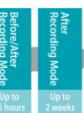


Camera switched of

Automatic switching between 3 recording modes allows for long-hour monitoring

- · Voltage monitor to prevent your car battery from draining
- · Set times to start, stop or cancel recording when getting in and out of your car
- * The camera stops operating or switches to different operational mode when it is outside its' operational temperature range, or below a set voltage.







Playback recorded videos on your smartphone or PC

Built-in wireless LAN enables you to play recorded videos wirelessly on your smartphone. Use the app to switch to a clearer and undistorted view. You can also play recorded videos using d'Action 360 PC software.





For d'Action 360 PC software and app, supported smartphone or PC are required.

* Visit the website to check the supported devices for d'Action 360 PC software and app.



6 views on smartphone app, plus front recording

















Comparison between DC4000RA and DC5000A



Recorded image

DC4000RA Viewing Angle

 Recording of sudden approach of the car behind you / Better recognition of license plate numbers of the car both ahead and behind of you



DC4000RA

Front of your car is recorded on the main camera portion, equipped with the front camera and 360° camera. Rear direction of your car is recorded on the rear camera.



DC5000A

The main camera mounted on the front of your car, which is equipped with the front camera and 360° camera, records in all directions.

View differences of 360° camera

DC4000RA Horizontal 360° / Vertical 190°





DC5000A Horizontal 360° / Vertical 360°





View differences of rear image

DC4000RA The separate rear camera records the rear of the car



DC5000A The main camera mounted on the front records as far back as the rear direction of the car



Recording ranges

Туре		Recordin	Recognizability of license plate numbers			
	Front of car	Rear of car	Sides of car	Inside of car	Front of car	Rear of car
DC4000RA: 2 cameras on front and rear, plus 360" camera	Yes	Yes	Yes	Yes	Yes	Yes
DC5000A: 360°×360°	Yes	Limited part of the view	Yes	Yes	Yes	No
General front camera only	Yes	No	No	No	Yes	No
General 2-camera on front and rear	Yes	Yes	No	No	Yes	Yes
General 360' camera plus rear camera	Yes	Yes	Yes	Yes	No	Yes

■Comparison

DC4000RA

Camera						
Front camera						
Image sensor	Full-color CMOS sensor 1/2.7					
Number of	Approximately 2 megapixels FHD 1920×1080					
recorded pixels	Approximately 0.9 megapixels HD 1280×720					
Viewing angle	Horizontal 96" Vertical 50" Diagonal 119"					
Max. aperture (F)	1.5					
Max. frame rate	Drive Mode: 27.5 fps Parking Mode: 5.2 fps					
Auto adjustment	HDR and WDR					
	360 camera					
Image sensor	Full-color CMOS sensor 1/2.7					
Number of recorded pixels	Approximately 3.6 megapixels FHD 1920×1920					
Viewing angle	Horizontal 360° Vertical 190°					
Max. aperture (F)	2.2					
Max. frame rate	Drive Mode: 19 fps Parking Mode: 5.2 fps					
Auto adjustment	WDR					
	Rear camera					
Image sensor	Full-color CMOS sensor 1/2.8					
Number of recorded pixels	Approximately 2 megapixels FHD 1920×1080					
Viewing angle	Horizontal 131° Vertical 75' Diagonal 155°					
Max. aperture (F)	1.8					
Max. frame rate	Drive Mode: 27.5 fps Parking Mode: 5.2 fps					
Auto adjustment	HDR					

Recording Specifications						
Recording modes	Drive Mode: Normal Recording, Event Recording, Manual Recording Parking Mode (requires an optional add-on that is sold separately): Impact Recording					
Recording time unit per file of Normal Recording	30 seconds					
File format	MOV(H.264)					
Audio recording	Yes					
Ha	rdware specifications					
GPS	Yes					
G-Sensor	Yes					
Power supply voltage	DC12V/24V					
Maximum electrical power consumption (DC12V)	440mA					
Operating	Drive Mode: -10°C to +50°C (14°F to 122°F)					
temperature range	Parking Mode: -10°C to +65°C (14°F to 149°F)					
LCD	2.7 inch full-color TFT					
Wireless LAN	No					
Smartphone linkage	No					
	Main camera screen					
Video playback media	d'Action software for PC (Windows)					
	Playback media such as Windows media player					
Included micro SD card	Yes, 32GB microSD card (DC3A)					
	Size					
Product dimensions	Main camera: H92mm×W122mm×D47mm (H3.6inch×W4.8inch×D1.8inch)					
with mount attached	Rear camera: H59mm×W59mm×D38mm (H2.3inch×W2.3inch×D1.5inch)					
Weight with mount attached	Main camera: 206 grams (7.3 oz) Rear camera: 62 grams (2.2 oz)					
Other Functions						
Noise reduction	Yes					
Voise notification for SD card status	Yes					
Supercapacitor	Yes					
LED light traffic compatible	Yes					
Recording media	Included microSD card, 32GB (Item No. DC3A) or dedicated microSD cards, 32GB (Item No. DC3A), 64GB (Item No. DC4A), or 128GB (Item No. DC5A)					

DC5000A

Camera				
Image sensor	CMOS 1/2.3			
Resolution	360°×360° View + Front recording: Approx. 4.1 megapixels + approx. 2.0 megapixels 360°×360° View recording only: Approx. 4.1 megapixels or approx. 7.3 megapixels			
Viewing angle	Horizontal 360°/Vertical 360°			
Max. aperture (F)	2.0			
Frame rate	Drive Mode: 27.5 fps (*Automatically adjusted in high temperatures.)			
	Parking Mode: 3.75 / 5.2 fps			
	Drive Action Mode / Action Mode: 29.97 fps			
Auto adjustment	WDR			

Re	cording Specifications		
Recording modes	Continuous, Impact, Manual, Still image capture, Parked Continuous*, Parked Impact* (*required options)		
Recording time unit per file of Normal Recording	30 seconds		
File format	Video: MOV (Video: MPEG4-AVC/H.264, Audio: PCM stereo) Still image: JPEG		
Audio recording	Yes		
Ha	rdware specifications		
GPS	Yes		
Built-in triaxial G-Sensor	Yes		
Power supply voltage	DC12V/24V		
Maximum electrical power consumption (DC12V)	440mA		
Operating	Drive Mode, Action Mode: -10°C to +40°C (14°F to 104°F)		
temperature range	Parking Mode: -10°C to +60°C (14°F to 140°F)		
LCD	No		
Wireless LAN	Yes		
Smartphone linkage	Yes		
	d'Action app for smartphone (iOS/Android)		
Playback support	d'Action software for PC (Windows)		
	Playback media such as Windows media player		
Included micro SD card	Yes, 32GB microSD card (DC3A)		
	Size		
Product dimensions with mount attached	H99mm×W131mm×D68mm (H3.9inch×W5.1inch×D2.7inch)		
Weight with mount attached	235 grams (8.3 oz)		
	Other Functions		
Noise reduction	Yes		
Voise notification for SD card status	Yes		
Supercapacitor	Yes		
LED light traffic compatible	Yes		
Recording media	Included microSD card, 32GB (Item No. DC3A) or dedicated microSD cards, 32GB (Item No. DC3A), 64GB (Item No. DC4A), or 128GB (Item No. DC5A)		

Optional add-ons



Approximate recording time

"The following recording times and number of images are provided for guidance only, and are not absolutely guaranteed values. These will vary depending on the condition of use, subject, and ambient environment.

1 2 2 1 1 1 E A Precording mode		NORMAL REC priority			EVENT REC priority (Initial values)			PARKING REC priority		
	Resolution of Front camera	32GB (Included DC3A)	64GB	128GB	32GB (Included DC3A)	64GB	128GB	32GB (Included DC3A)	64GB	128GB
NORMAL folder	FHD	88 min	177 min	354 min	76 min	153 min	306 min	76 min	153 min	306 min
(Partition for Normal recording)	HD	103 min	206 min	411 min	89 min	178 min	356 min	89 min	178 min	356 min
EVENT folder (Partition for Event recording)	FHD	10 min	22 min	44 min	21 min	42 min	86 min	10 min	22 min	44 min
	HD	12 min	25 min	52 min	24 min	50 min	100 min	12 min	25 min	52 min
PARKING folder (Partition for Parking recording)	FHD	10 min	20 min	39 min	10 min	20 min	41 min	21 min	43 min	85 min
	HD	11 min	23 min	45 min	12 min	24 min	47 min	25 min	49 min	99 min

DC5000A Recording mode	Recording type	Partition type: Driving Priority (Default setting)			Partition type: Action Priority		
		32GB	64GB	128GB	32GB	64GB	128GB
Continuous Recording + Parked Continuous Recording	360° x 360°+ Front	34 mins	70 mins	141 mins	12 mins	26 mins	53 mins
Impact Recording	360° x 360°+ Front	11 times	22 times	46 times	11 times	22 times	46 times
Parked Impact Recording (Continuous Recording mode)	360° x 360°+ Front	6 times	13 times	27 times	6 times	13 times	27 times
Parked Impact Recording (Impact / Energy Saving modes)	360° x 360° only (approx. 7.3 MP)	27 times	55 times	112 times	27 times	55 times	112 times
Manual Recording	360° x 360°+ Front	7 mins	15 mins	31 mins	28 mins	58 mins	118 mins
	360° x 360° only (approx. 4.1 MP)	11 mins	24 mins	49 mins	44 mins	90 mins	182 mins
	360° x 360° only (approx. 7.3 MP)	6 mins	12 mins	26 mins	23 mins	48 mins	97 mins
Still Image Capture	360° x 360° only	35 images	72 images	147 images	54 images	109 images	221 images

- . Information in this catalog is as of March, 2022.
- · The actual products may appear differently from images in this catalog due to color modifications and to printing process.
- · Product specifications and appearance in this catalog are subject to change without notice for improvement.

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