

# Replacement Cycle (Guideline)

## SD Memory Card for Business use in the case of continuous JPEG writing

As of January 30, 2019

### Precaution

In this document, it is described as "SD memory card" as a generic name of (micro)SD memory card / (micro)SDHC memory card / (micro)SDXC memory card.

#### ■ About this document

- This document shows the replacement cycle (guideline) of the SD memory card when SD memory card is attached to the camera and continuous writing is performed by JPEG method.
- This document is for i-PRO Network Cameras (WV-series).

#### ■ Notes on replacement cycle (guideline)

- It is calculated based on the upper limit of the number of times of rewriting of the SD memory card as a guide and **does not guarantee the endurance period**.  
The endurance period will vary depending on the installation environment, operational environment, etc.
- On SD memory cards, media and stored data may be damaged due to power off during access. Faults on the SD memory card are notified to the outside by mail / alarm notification / LED etc.  
**Please periodically check the operation if these cannot be received and confirmed.**
- If you record the data on the SD memory card for a long time, it may be lost.  
We recommend you to backup data that you need to save promptly.
- The replacement cycle (guideline) is an estimated value **applied only to the SD memory cards for business use with part numbers listed in the table.**

# Replacement Cycle (Guideline)

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- The endurance period will vary depending on the installation environment, operational environment, etc.
- The replacement cycle (estimate) does not depend on the image capture size of the JPEG image to be saved. Please refer to the following as a guide by the frame rate at which JPEG images are saved and by the SD memory card part number.

Frame rate in writing	SD Memory Card		
	SDHC	SDXC	
	RP-SDGD32DA1	RP-SDGD64DA1	RP-SDUE12DA1
0.1 fps	2-year 8-month	1-year 10-month	3-year 9-month
0.2 fps	2-year	1-year 6-month	2-year 9-month
0.33 fps	1-year 6-month	1-year 1-month	2-year 2-month
0.5 fps	1-year 3-month	10-month	1-year 9-month
1 fps	9-month	4-month	9-month

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Frame rate in writing	SD Memory Card	
	SDHC	SDXC
	RP-SMTT32DA1 <sup>*1</sup>	RP-SMTT64DA1 <sup>*1</sup>
0.1 fps	9-month	11-month
0.2 fps	7-month	10-month
0.33 fps	5-month	9-month
0.5 fps	3-month	8-month
1 fps	2-month	6-month

<sup>\*1</sup>:RP-SMTT32DA1 is microSDHC memory card and RP-SMTT64DA1 is microSDXC memory card.

Compared under the same writing conditions, the replacement cycle (estimate) is same or shorter than SDHC / SDXC memory cards of the same capacity. (except for the replacement cycle of "1fps" of RP-SMTT64DA1)

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# Revision History

# ◇ Revision History

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Date	Description
Apr. 18, 2018	◆First edition
Jan. 30, 2019	◆Addition of product number of industrial microSD card •RP-SMTT32DA1, RP-SMTT64DA1