Application Note

Recording to an SD/SDHC card

Revision History

Version	Issue date	Author	Comment
1.0	2010/11/25	Hans	First released

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Introduction

At VIVOTEK, we regularly receive questions or requests about recording to SD/SDHC cards. To meet these concerns, VIVOTEK has designed numerous modules supporting the use of SD/SDHC cards for local storage.
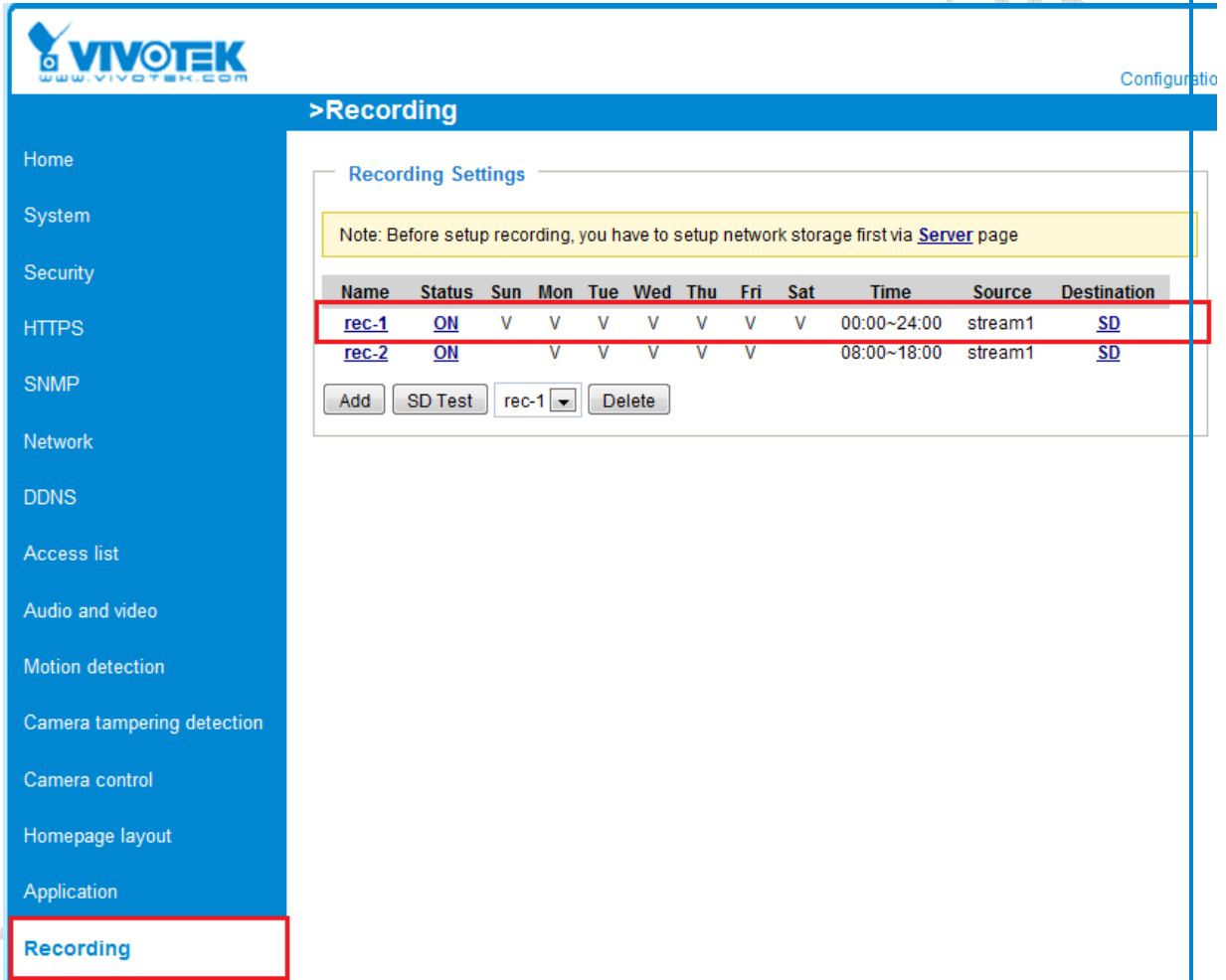
This document describes two ways to record data onto an SD/SDHC card, and when to use them. It should be noted that SD cards were not intended for use in continuous recording. Compared to hard disks, SD cards offer slower write speeds and less capacity. They are better suited to event recording or for backing up surveillance data in the event that the camera connection is lost.

1. When to use the Recording page to record to an SD card

If you wish to record continuously or by schedule to an SD card, go to the Recording page when in Advanced mode to perform setup.
You can add at most two recording setting on the camera. This limitation is due to the constraints of cache memory and the camera's processing capabilities.

Recording Settings page

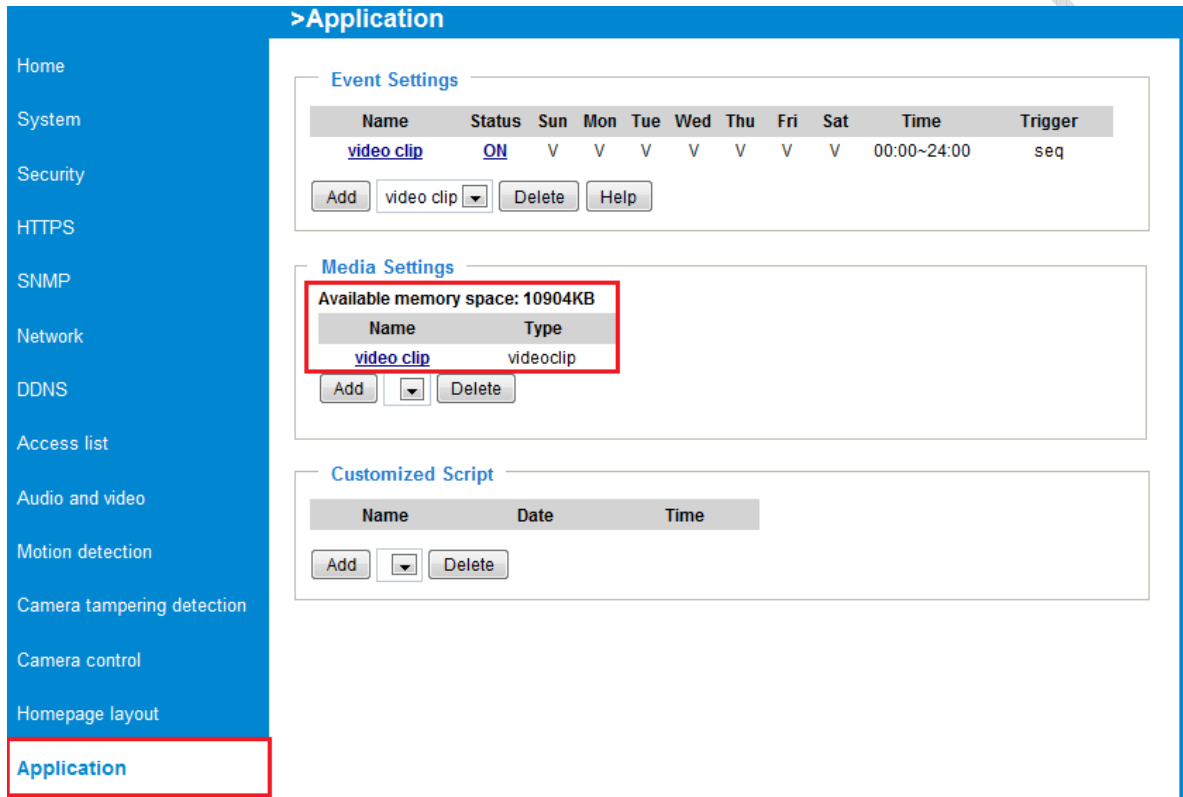# 2. *When to use the Application page to record to an SD card*

If you wish to record when an event is triggered, go to the Application page when in Advanced mode to perform setup.

Application page

You can only add at most three application settings for the camera. Note that this approach IS NOT suited to continuous recording as the camera's internal memory severely limits the video's file size and duration.
We DO NOT recommend using settings such as those shown in the figure below.

Event name: Record a clip in SD periodically

☑ Enable this event

Priority: Normal ▼

Detect next event after 10 second(s).

Note: This can only applied to motion detection and digital input

Trigger

○ Video motion detection

● Periodically

   Trigger every other 1 minutes

○ Digital input

○ PIR

○ System boot

○ Recording notify

○ Camera tampering detection

Event Schedule

☑ Sun ☑ Mon ☑ Tue ☑ Wed ☑ Thu ☑ Fri ☑ Sat

Time

● Always

○ From 00:00 to 24:00 [hh:mm]

Action

☐ Trigger digital output for 1 seconds

☐ Turn on IR illuminators for 1 seconds in low-light conditions

[Add Server] [Add Media]

	Server	Media	
☑	SD	clip ▼	[SD Test] [View]

3. Which model supports SD card

7000 series: IP7361, IP7161, IP7160, SD73x3, FD7141, MD7530, MD7560

8000 series: IP8161, IP8332, IP8330, IP8132, IP8133, IP8134, SD81x1, FD8361, FD8133, FD8134, FD8161

If you want to know the information in detail, please refer website from the link.

http://www.vivotek.com/products/network_cameras.php