

Application Note

Recording to an SD/SDHC card

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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.

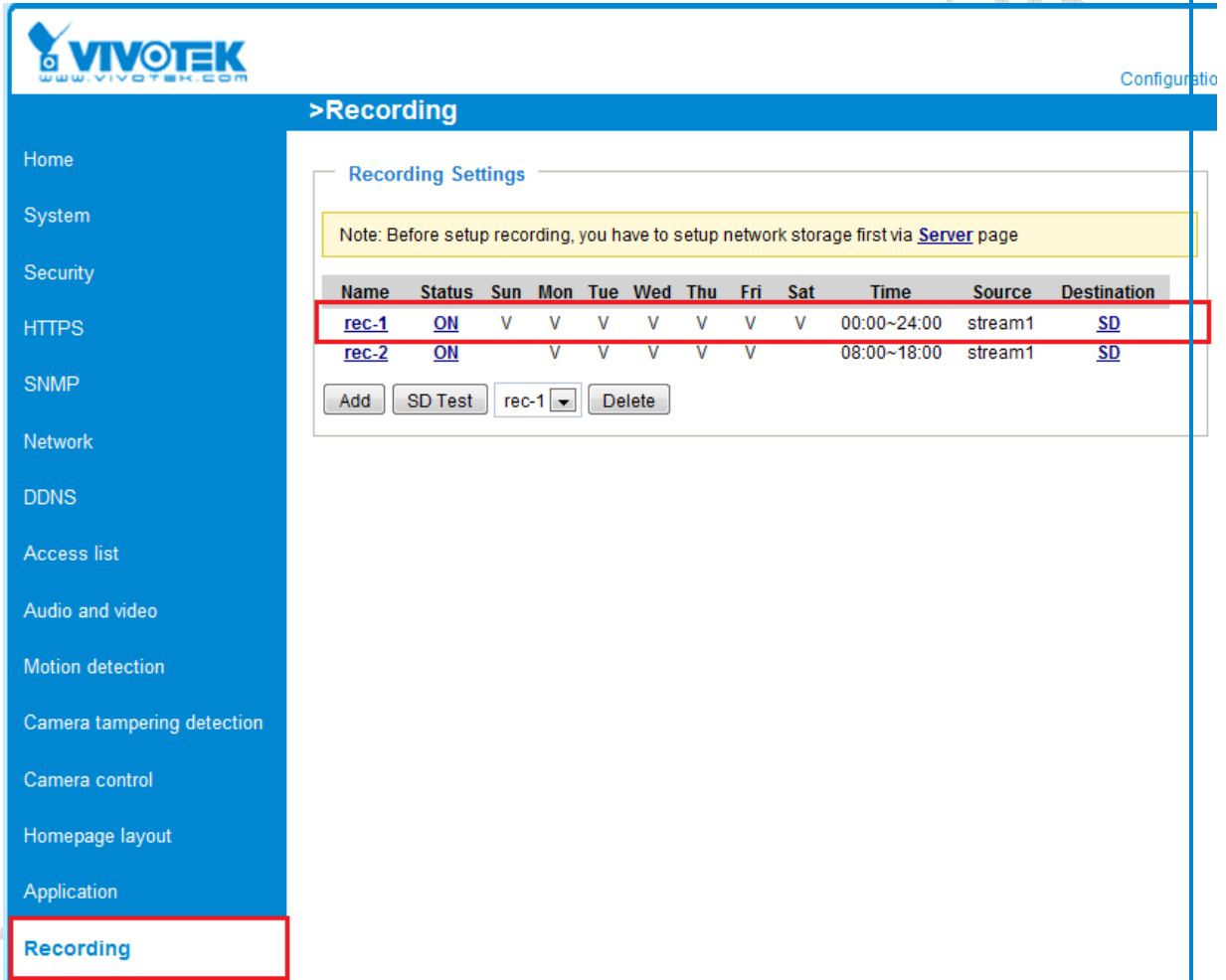
This document describes two ways to record data onto an SD/SDHC card, and when to use them. It should be noted that SD cards were not intended for use in continuous recording. Compared to hard disks, SD cards offer slower write speeds and less capacity. They are better suited to event recording or for 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



Recording Settings

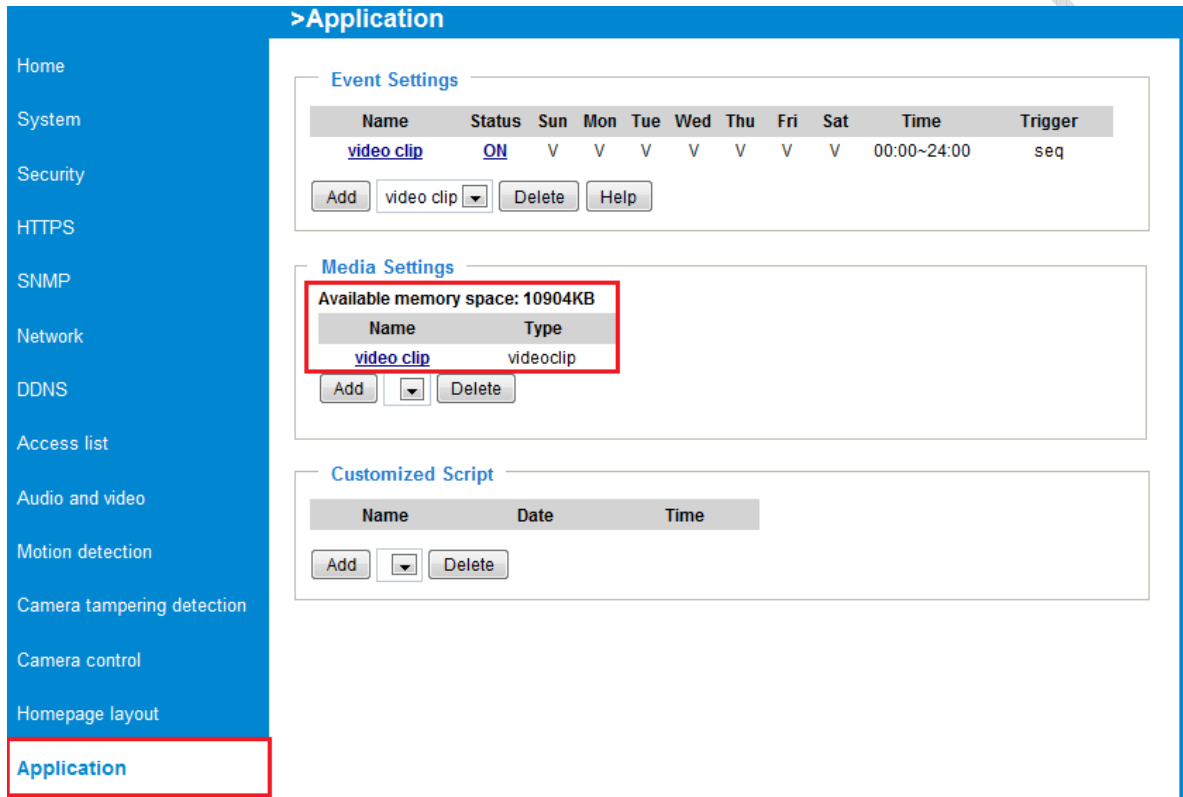
Note: Before setup recording, you have to setup network storage first via [Server](#) page

Name	Status	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Time	Source	Destination
rec-1	ON	V	V	V	V	V	V	V	00:00~24:00	stream1	SD
rec-2	ON		V	V	V	V	V		08:00~18:00	stream1	SD

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



The screenshot shows the 'Application' page in a web interface. The left sidebar contains a menu with 'Application' highlighted. The main content area is titled '>Application' and contains three sections: 'Event Settings', 'Media Settings', and 'Customized Script'. The 'Media Settings' section is highlighted with a red box and shows 'Available memory space: 10904KB' and a table with one row 'video clip'.

Name	Status	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Time	Trigger
video clip	ON	V	V	V	V	V	V	V	00:00~24:00	seq

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:

Enable this event

Priority:

Detect next event after second(s).

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

Trigger

- Video motion detection
- Periodically
 - Trigger every other minutes
- Digital input
- PIR
- System boot
- Recording notify
- Camera tampering detection

Event Schedule

Sun Mon Tue Wed Thu Fri Sat

Time

- Always
- From to [hh:mm]

Action

- Trigger digital output for seconds
- Turn on IR illuminators for seconds

Add Server

Add Media

Server	Media
<input checked="" type="checkbox"/> SD	clip

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

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