



Milesight-Troubleshooting

Video Parameter Configuration for Different Record
Stream Type


NVR Version	XX.9.0.9 or above	Update	2020.7.15
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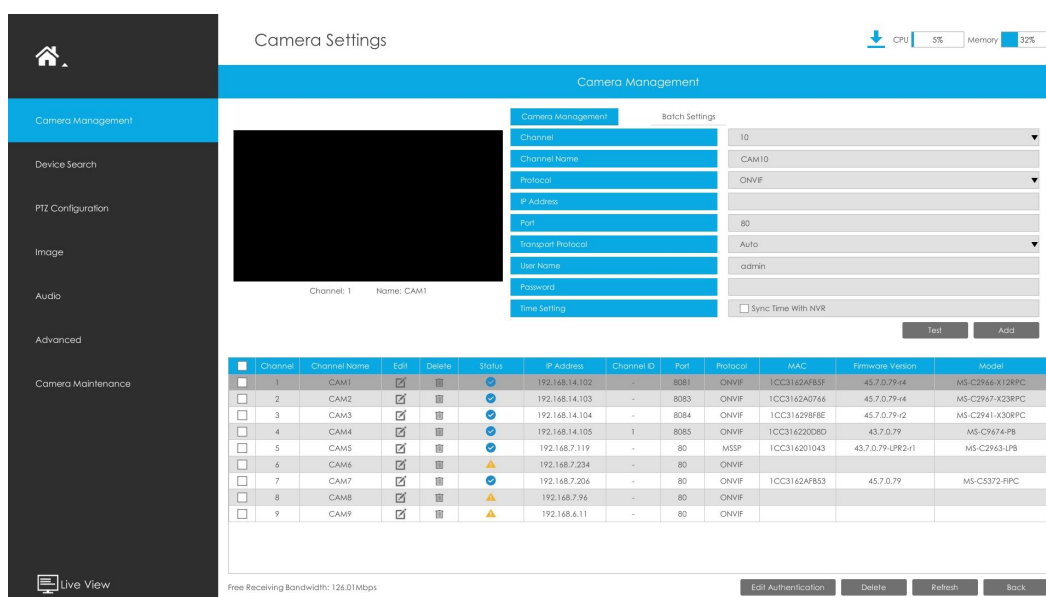
1. Introduction

This function allows users to configure video parameters for General Record Stream and Event Record Stream separately, which means using less storage to record more videos. It not only decreases hardware's consumption, but also provides a better watching experience. Events like Motion Detection, VCA, Camera Alarm Input and Smart Analysis are included in Event Record Stream Configuration.

2. How to Set Parameters for Different Record Stream Types

2.1 Local Operation

1、Go to 'Camera' -> 'Camera Management' interface, select a camera you've added, then click 'Edit'  to enter the configuration page.



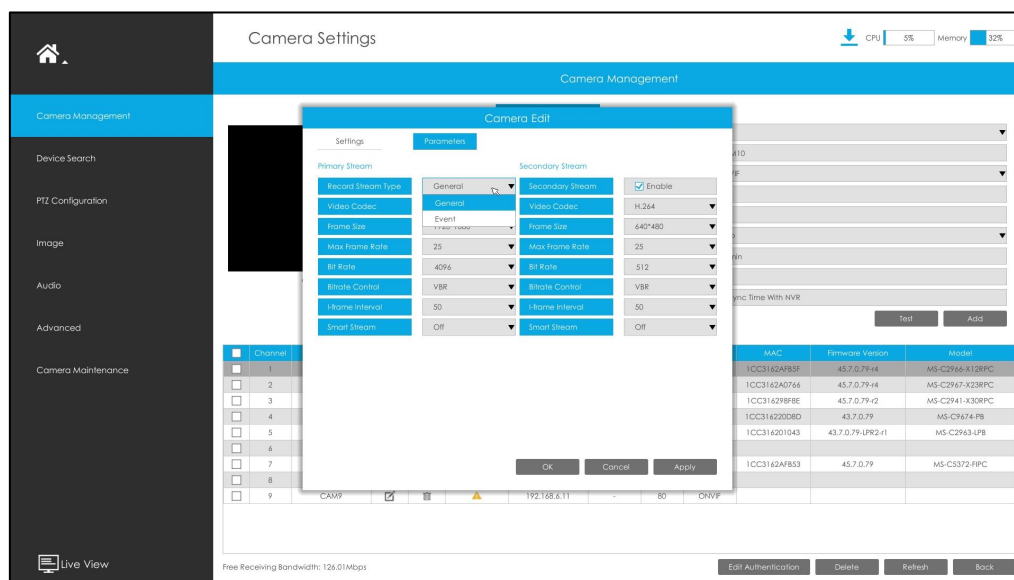
The screenshot displays the 'Camera Management' interface. On the left is a sidebar with navigation options: Home, Camera Management (selected), Device Search, PTZ Configuration, Image, Audio, Advanced, and Camera Maintenance. The main area is titled 'Camera Settings' and includes a status bar showing CPU (5%) and Memory (32%). Below this is a 'Camera Management' section with a table of cameras and a detailed configuration form for the selected camera (CAM1).

Channel	Channel name	Edit	Delete	Status	IP Address	Channel ID	Port	Protocol	MAC	Firmware Version	Model
1	CAM1				192.168.14.102	-	8081	ONVIF	1CC3162AF85F	45.7.0.79-v4	MS-C2966-X128PC
2	CAM2				192.168.14.103	-	8083	ONVIF	1CC3162AD766	45.7.0.79-v4	MS-C2967-X238PC
3	CAM3				192.168.14.104	-	8084	ONVIF	1CC31629F8BE	45.7.0.79-v2	MS-C2941-X308PC
4	CAM4				192.168.14.105	1	8085	ONVIF	1CC316220D8D	43.7.0.79	MS-C9674-P8
5	CAM5				192.168.7.119	-	80	MSSP	1CC316201043	43.7.0.79-LP82-v1	MS-C2963-LP8
6	CAM6				192.168.7.234	-	80	ONVIF			
7	CAM7				192.168.7.206	-	80	ONVIF	1CC3162AF853	45.7.0.79	MS-C5372-FPC
8	CAM8				192.168.7.96	-	80	ONVIF			
9	CAM9				192.168.6.11	-	80	ONVIF			

The configuration form for the selected camera (CAM1) includes fields for Channel, Channel name, Protocol, IP Address, Port, Transport Protocol, User name, Password, and Time Setting. It also has a checkbox for 'Sync Time With NVR' and buttons for 'Test' and 'Add'.

- 2、Click **Parameters** and select the Record Stream Type as General or Event.
- 3、Select General Record Stream, you can set all the parameters according to your preference, which works on primary stream.
- 4、Select Event Record Stream, Max.Frame Rate and Bite Rate are editable in this page after enabling it, and other parameters are the same with General Record Stream configuration.

Before configuring Event Record Stream parameters, make sure that you have enabled the event detection and set correct event record schedule.



Settings
Parameters

Primary Stream

Record Stream Type	General
Event Stream	<input checked="" type="checkbox"/> Enable
Video Codec	H.264
Frame Size	1920*1080
Max Frame Rate	25
Bit Rate	4096
Bitrate Control	VBR
I-frame Interval	50
Smart Stream	Off

Secondary Stream

Secondary Stream	<input checked="" type="checkbox"/> Enable
Video Codec	H.264
Frame Size	640*480
Max Frame Rate	25
Bit Rate	512
Bitrate Control	VBR
I-frame Interval	50
Smart Stream	Off


OK Cancel Apply

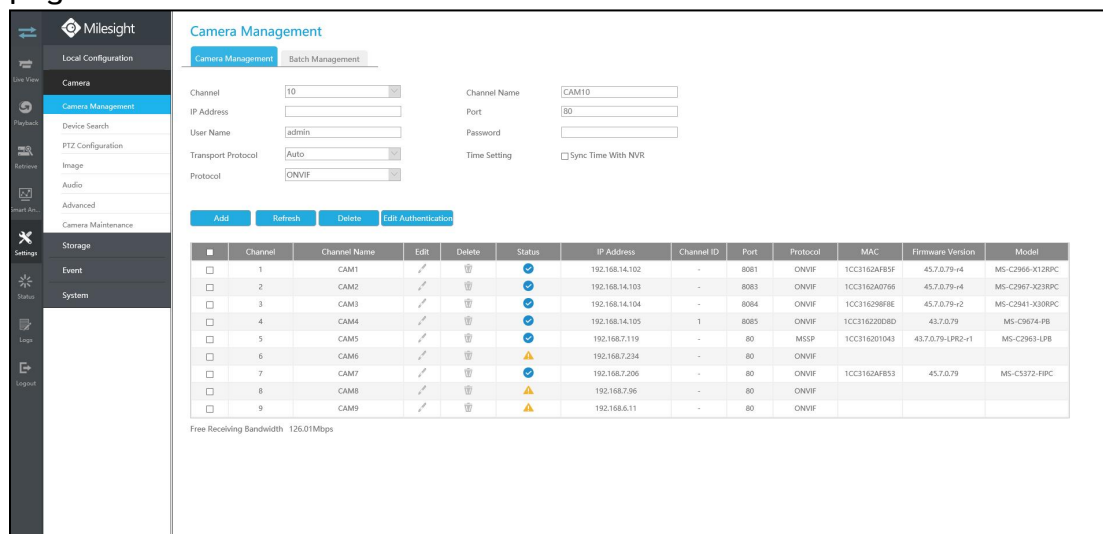
5、Click 'Apply' to save your configuration.

Note:


- ① The Event Stream related video parameters configured here take effect on all the records triggered by events in the NVR Event Column.
- ② The configuration of video parameters to the Event Stream Record would only be valid for primary stream records.
- ③ Only when IPC's version is above 4X.7.0.75, can the function be supported, or there would be only General choice in Record Stream Type.

2.2 WEB Settings

1、Go to 'Settings' -> 'Camera' -> 'Camera Management' interface, select a camera you've added, then click 'Edit'  to enter the configuration page.



Channel	Channel Name	Edit	Delete	Status	IP Address	Channel ID	Port	Protocol	MAC	Firmware Version	Model
1	CAM1				192.168.14.102	-	8081	ONVIF	1CC3162A1B5F	45.7.0.79-v4	MS-C2966-X128PC
2	CAM2				192.168.14.103	-	8083	ONVIF	1CC3162A0796	45.7.0.79-v4	MS-C2967-X338PC
3	CAM3				192.168.14.104	-	8084	ONVIF	1CC316298F6E	45.7.0.79-v2	MS-C2941-X338PC
4	CAM4				192.168.14.105	1	8085	ONVIF	1CC3162208BD	43.7.0.79	MS-C9674-P6
5	CAM5				192.168.7.119	-	80	MSSP	1CC316201043	43.7.0.79-LPR2-1	MS-C2963-LP6
6	CAM6				192.168.7.234	-	80	ONVIF			
7	CAM7				192.168.7.206	-	80	ONVIF	1CC3162AFB53	45.7.0.79	MS-C5372-FIPC
8	CAM8				192.168.7.96	-	80	ONVIF			
9	CAM9				192.168.6.11	-	80	ONVIF			

2、Click  and select the Record Stream Type as General or Event.

3、Select General Record Stream, you can set all the parameters according to your preference, which works on primary stream.

The screenshot shows the 'Camera Edit' window with the 'Parameters' tab selected. It is divided into two columns: 'Primary Stream' and 'Secondary Stream'. The 'Primary Stream' section has a 'Record Stream Type' dropdown set to 'General', with 'Event' highlighted below it. Other parameters like Video Codec (H.264), Frame Size (1920*1080), Max Frame Rate (25), Bit Rate (4096), Bit Rate Control (CBR), I-frame Interval (50), Smart Stream (Off), and Audio (Disable) are visible. The 'Secondary Stream' section has 'Secondary Stream' set to 'Enable', Video Codec (H.264), Frame Size (640*480), Max Frame Rate (25), Bit Rate (512), Bit Rate Control (CBR), I-frame Interval (50), and Smart Stream (Off). 'OK' and 'Cancel' buttons are at the bottom right.

4、 Select Event Record Stream, Max.Frame Rate and Bite Rate are editable in this page after enabling it, and other parameters are the same with General Record Stream configuration.

Before configuring Event Record Stream parameters, make sure that you have enabled the event detection and set correct event record schedule.

This screenshot shows the 'Camera Edit' window with 'Event' selected as the 'Record Stream Type' in the 'Primary Stream' section. An additional 'Event Stream' dropdown is now visible and set to 'Enable'. The other parameters for both Primary and Secondary streams remain the same as in the previous screenshot. The 'OK' and 'Cancel' buttons are at the bottom right.

5、 Click 'Apply' to save your configuration.

Note:

- ① The Event Stream related video parameters configured here take effect on all the records triggered by events in the NVR Event Column.
- ② The configuration of video parameters to the Event Stream Record would only be valid for primary stream records. It won't take effect if you

configure secondary stream parameters.

③ Only when IPC's version is above 4X.7.0.75, can the function be supported, or there would be only General choice in Record Stream Type.

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