User Manual

TiDVR IP

2T01-00051 24/01

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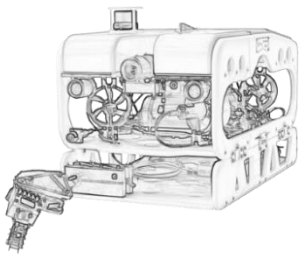

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Contents

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I. System Introduction

A. TiDVR IP

1. Main Page

Figure 1 Main Page

2. Menu on the top

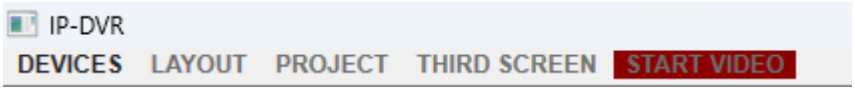

Figure 2 Menu (Before select project)

3. Event Log on the bottom

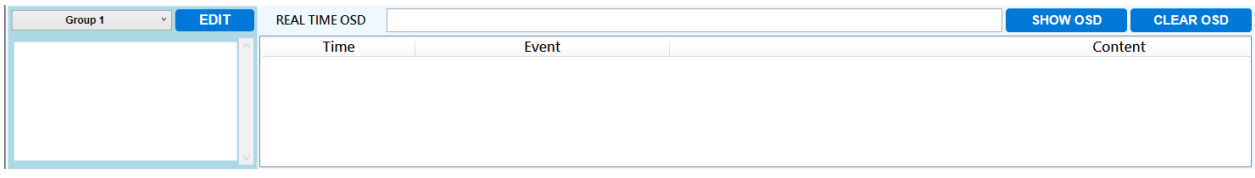

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Figure 3 Event Log

4. Network

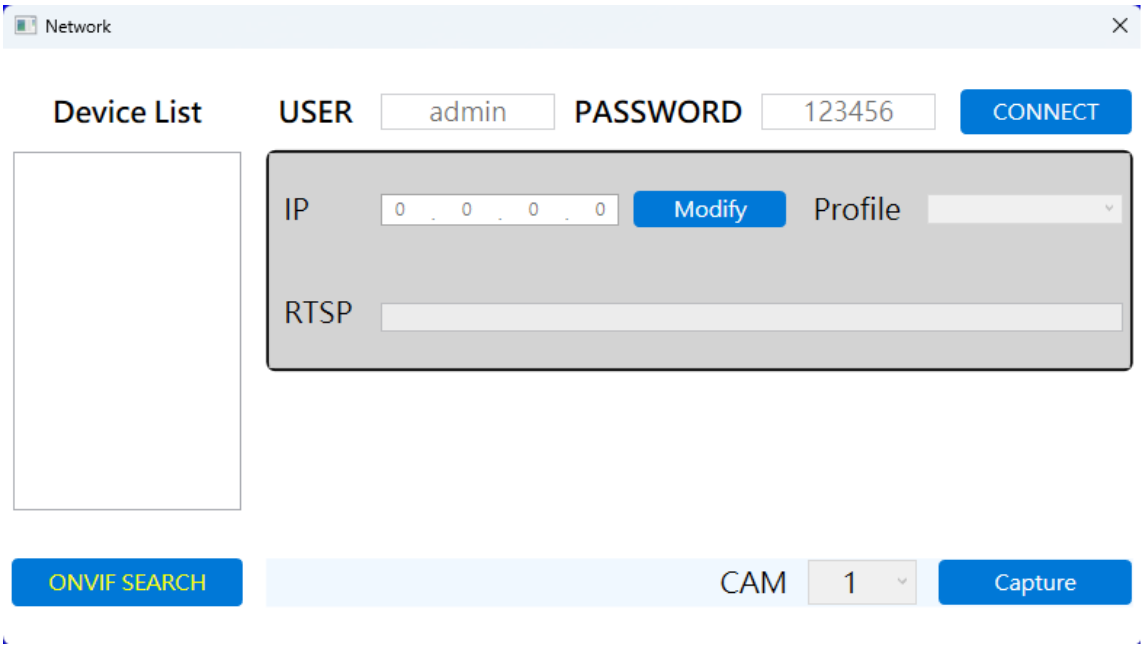

Figure 4 Search and connect IP camera

5. Project Manager

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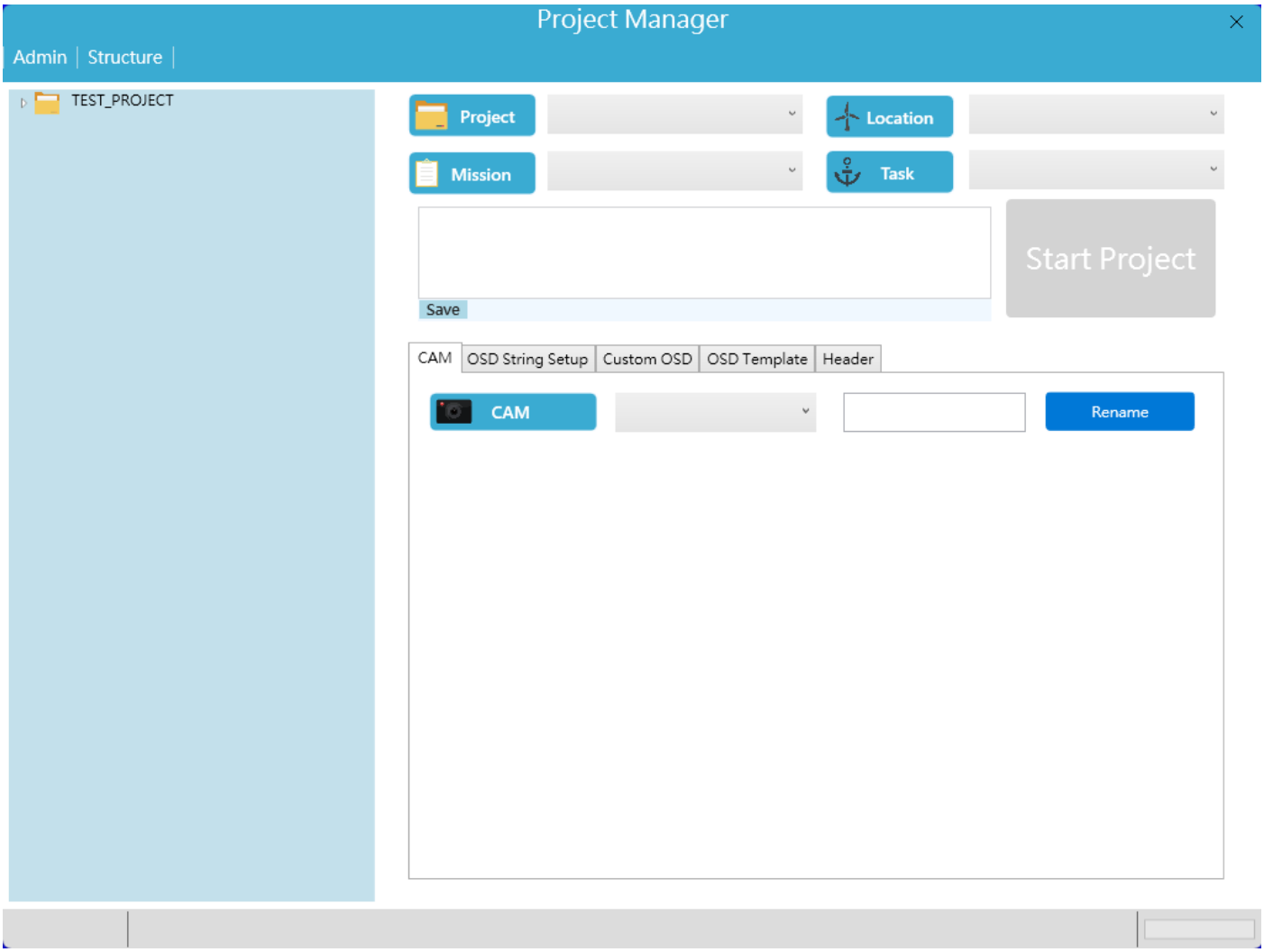
Figure 5 Build project and OSD edit



6. Event Editor

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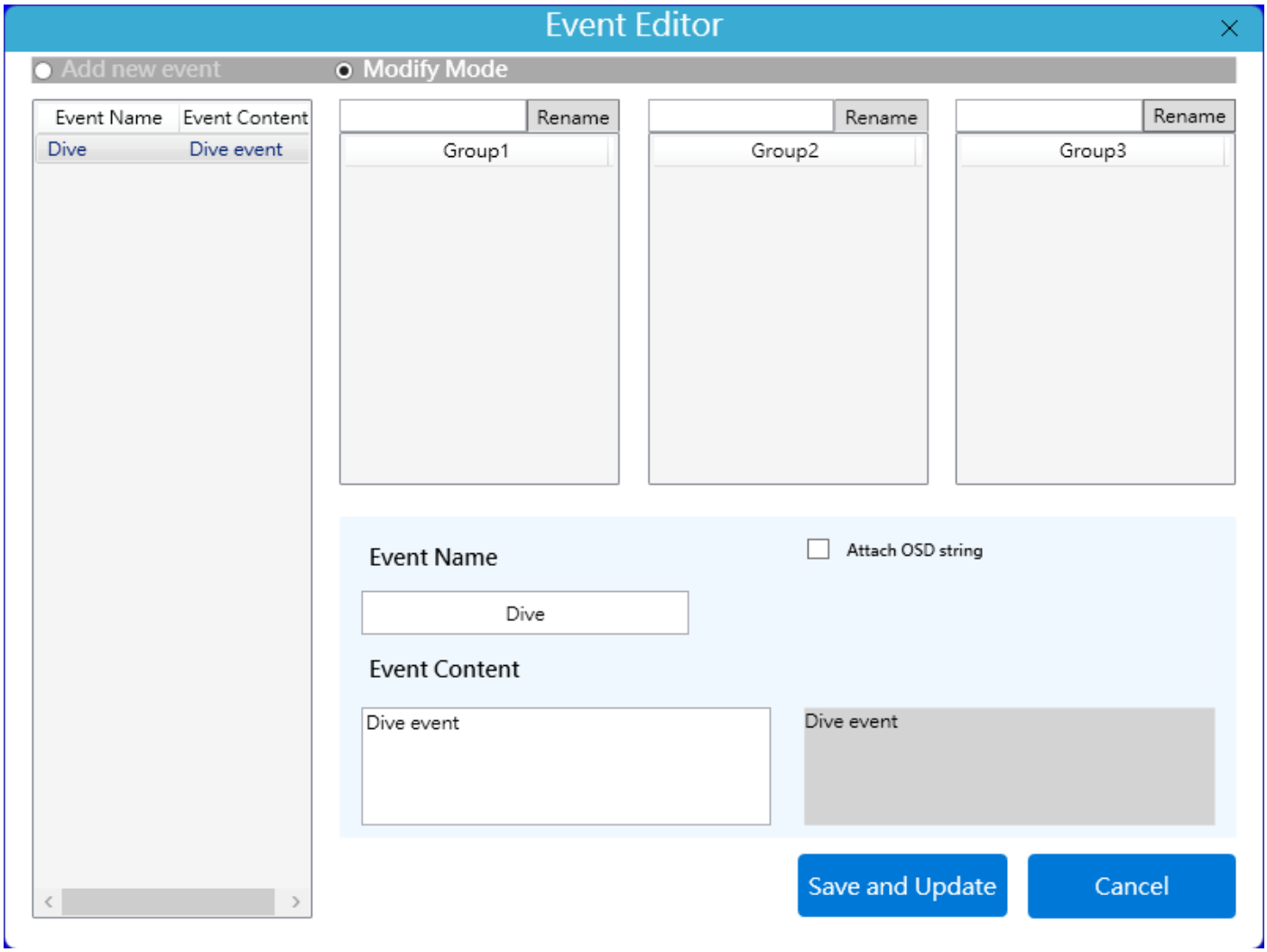

Figure 6 Build event

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B. System Requirement

Operation System	**Windows 11**
CPU	**Intel Core i5 1135 or Higher**
RAM	**16GB DDR4 or Higher**

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II. DVR Introduction

a. Connect IP Camera

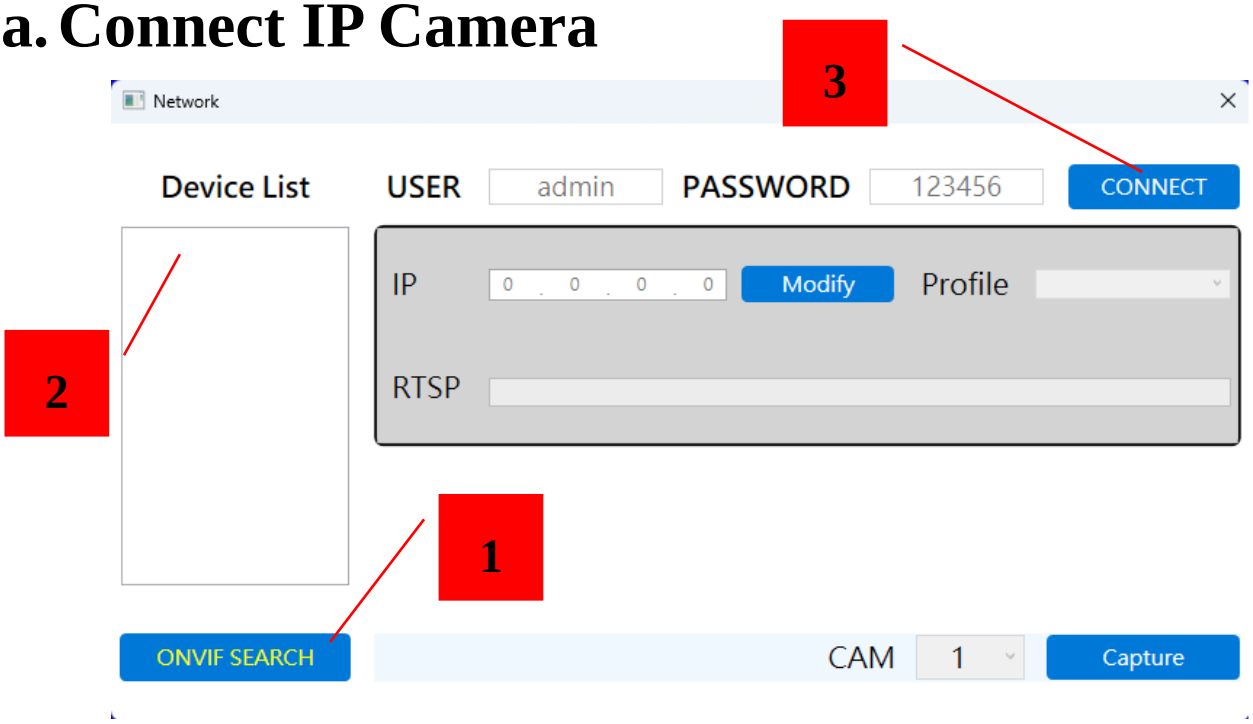
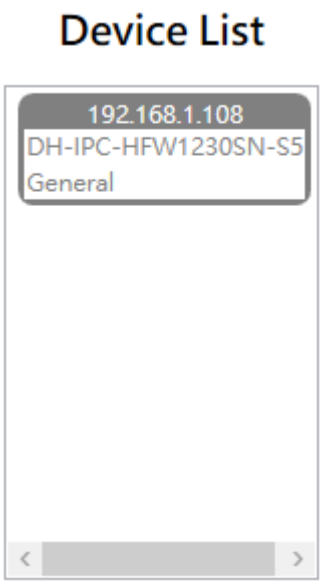


Figure 7 ONVIF SEARCH

➢ Click ONVIF SEARCH to obtain IP cameras which could be reachable by ONVIF.



➢ If we got one or more cameras in list, we can press on the camera like Figure 8.

➢ Make sure **USER** and **PASSWORD** are correct (It depends on the setting of camera), then click Connect like Figure 7 step 3.

Figure 8 Device List

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➢ If connection is success, IP 、*Profile and RTSP will show.

➢ Choose Profile and select a channel and click Capture to preview video.

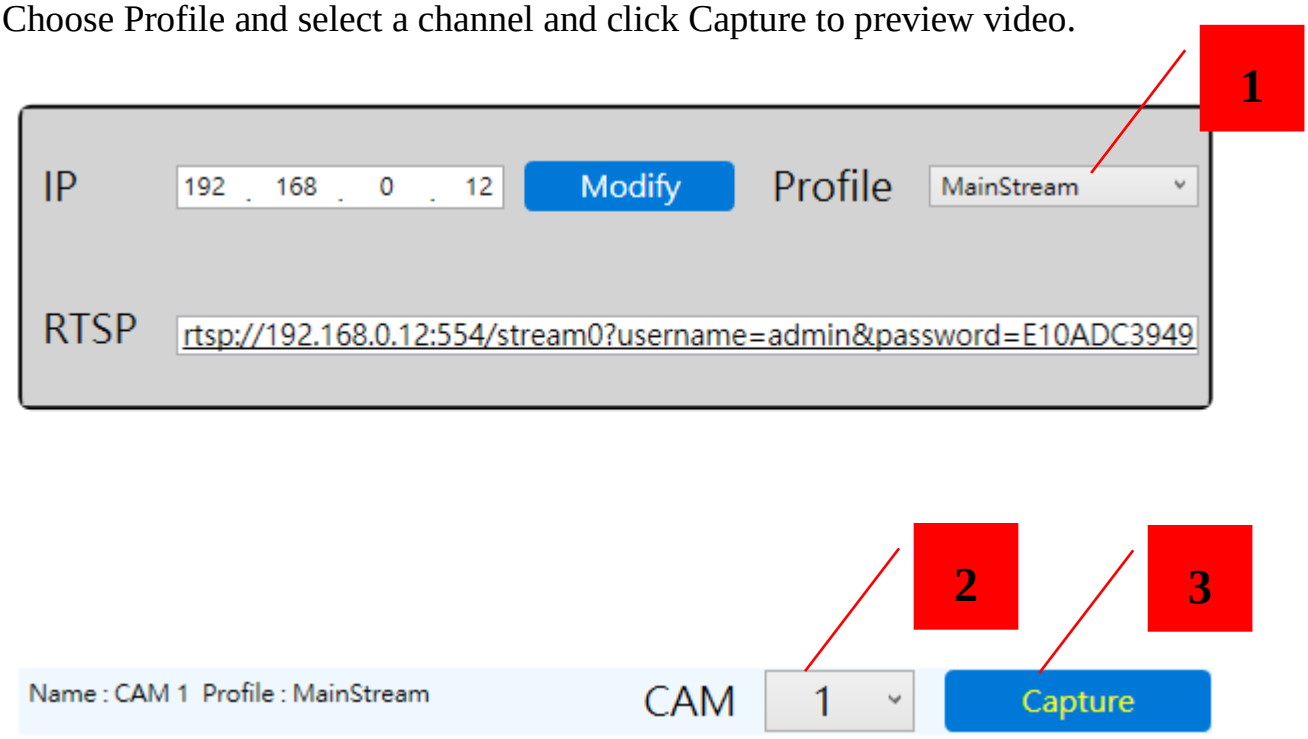

Figure 9 Capture video

*Profile can be setting in IP camera

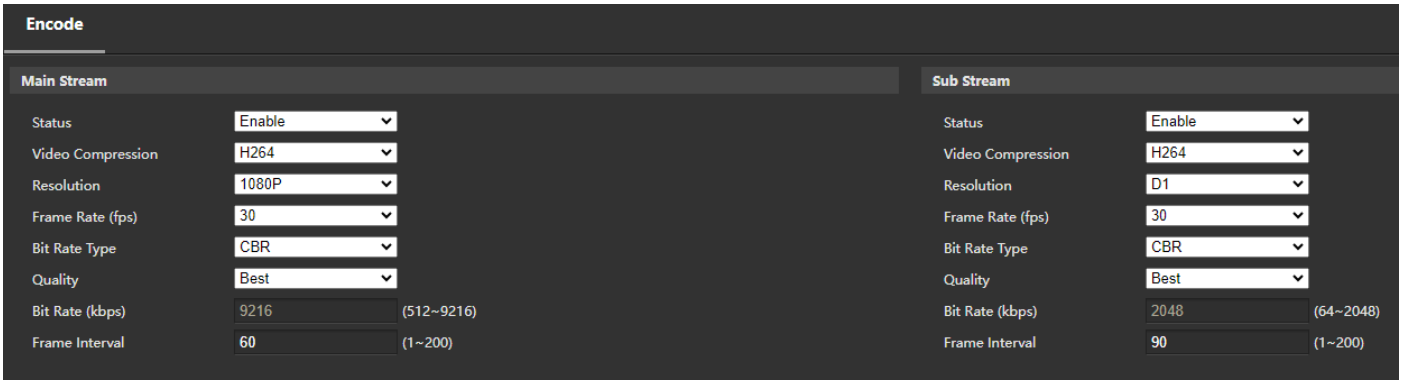

Figure 10 IP camera's setting in web page

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b. Build Projects

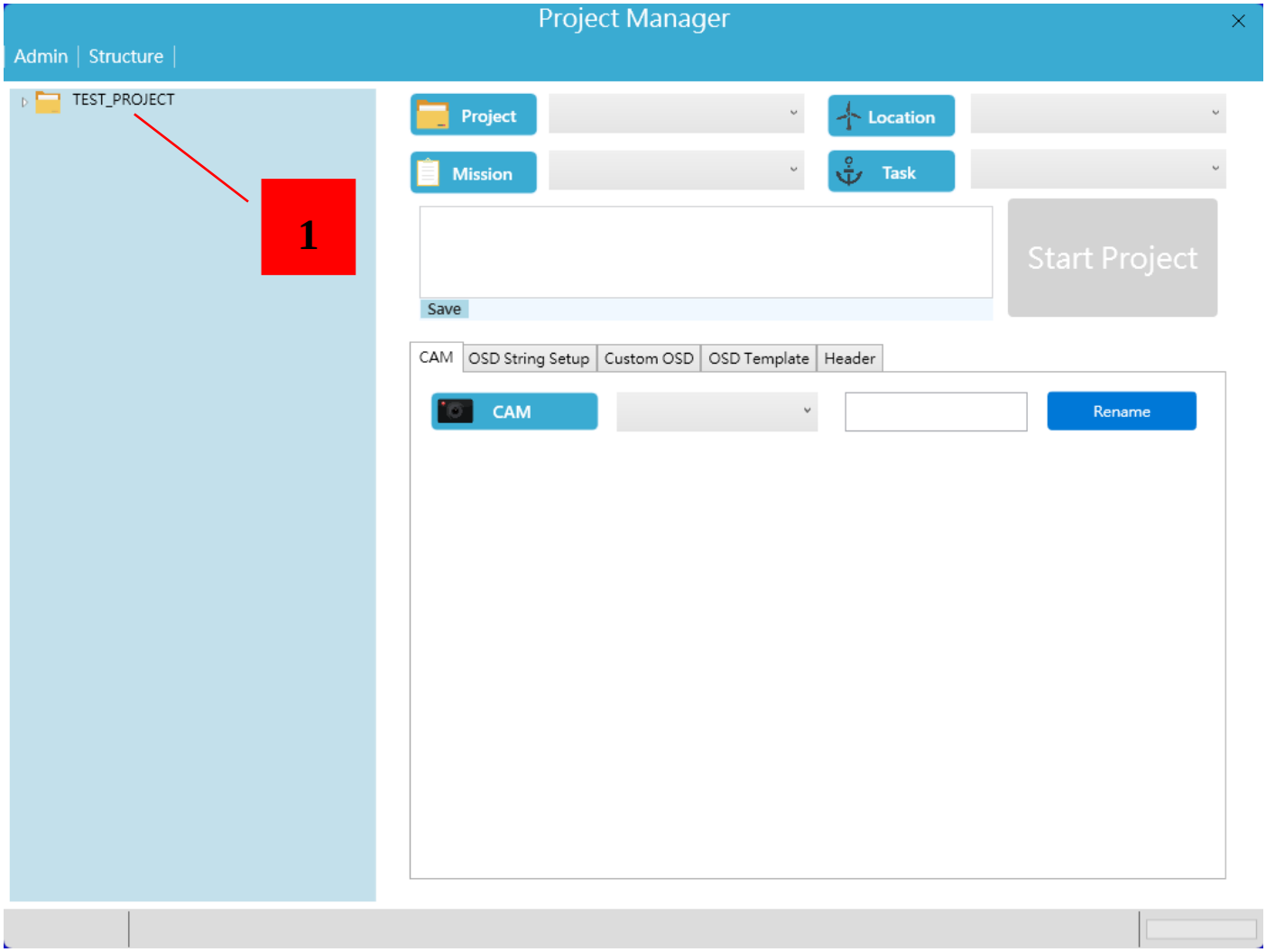

Figure 11 Start from a project

- Select a exist **Project**、**Location**、**Mission**、**Task** or build a structure for a project

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Figure 12 Functions in different level

- New Project : Build a new **Project** with empty structure
- Add Location : Add a **Location** under this project
- Copy Project : Create a whole new project structure which is similar structure with this project, with a new name
- Complete : Make this level with green color
- Build Report : Create a excel report for the project
- Add Mission : Add a **Mission** under the location
- Add Task : Add a **Task** under the Mission

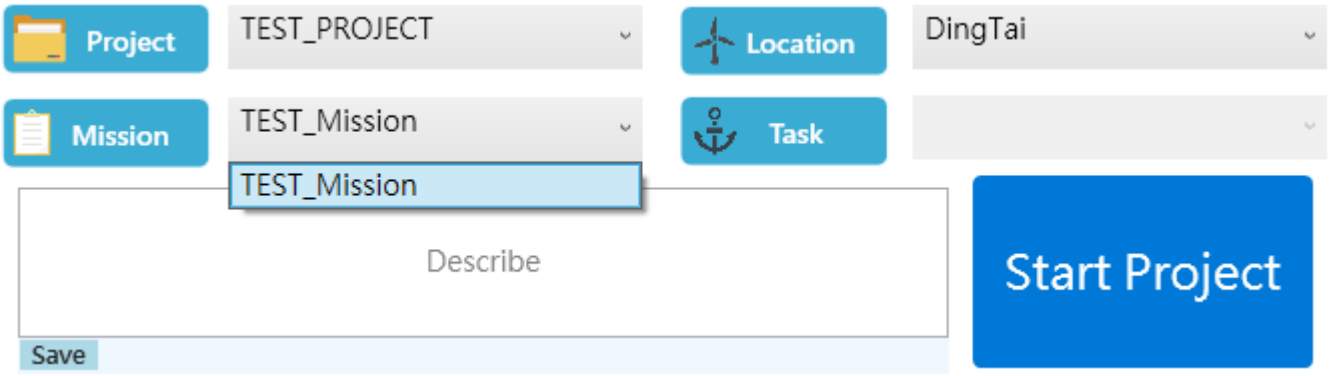

Figure 13 Start a Project

- If project is exist, user can select **Project** to **Task** step by step.
- At least, select a Mission. Start Project will enable. **Start Project** means the project is ready for record.

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c. Option

◆ CAM

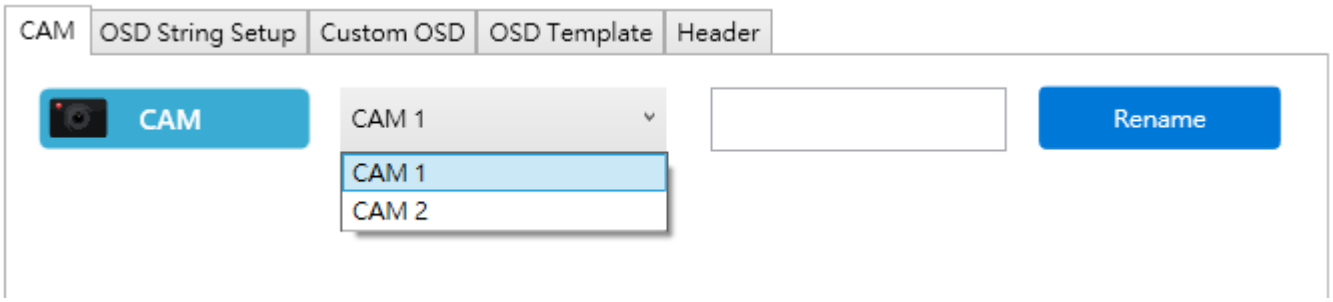

Figure 14 Rename CAM

➢ Rename : Pick a name and alias a new name

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◆ OSD String Setup

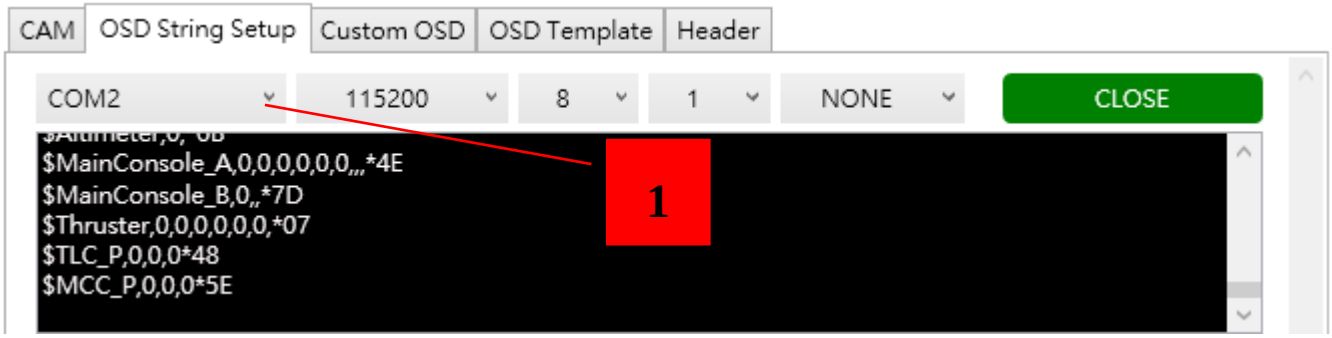

Figure 15 Open COM to get serail data

➢ Setting COM、Baud Rate、Data Bits、Stop Bits、Parity, then open

➢ NMEA 0183 is best match with our system.

- NMEA format :

The first character that immediately follows the last data field character is an asterisk, but it is only included if a checksum is supplied.

- The asterisk is immediately followed by a checksum represented as a two-digit hexadecimal number. The checksum is the bitwise exclusive OR of ASCII codes of all characters between the *$* and ***, not inclusive. According to the official specification, the checksum is optional for most data sentences, but is compulsory for RMA, RMB, and RMC (among others).
- `<CR><LF>` ends the message.

Reference From https://en.wikipedia.org/wiki/NMEA_0183

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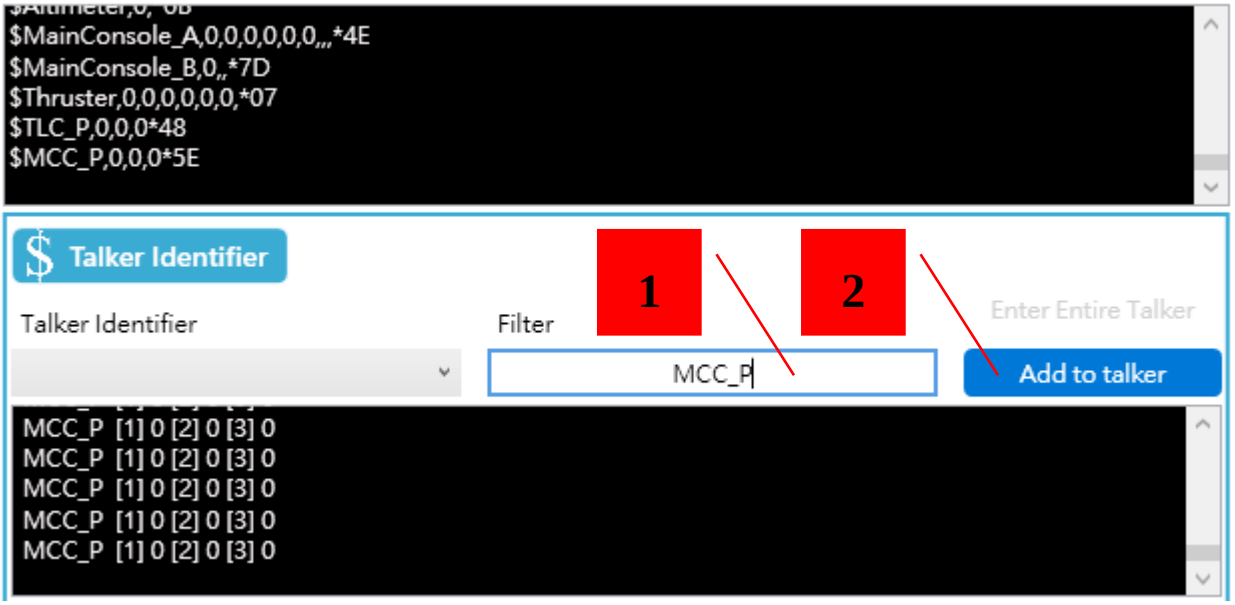
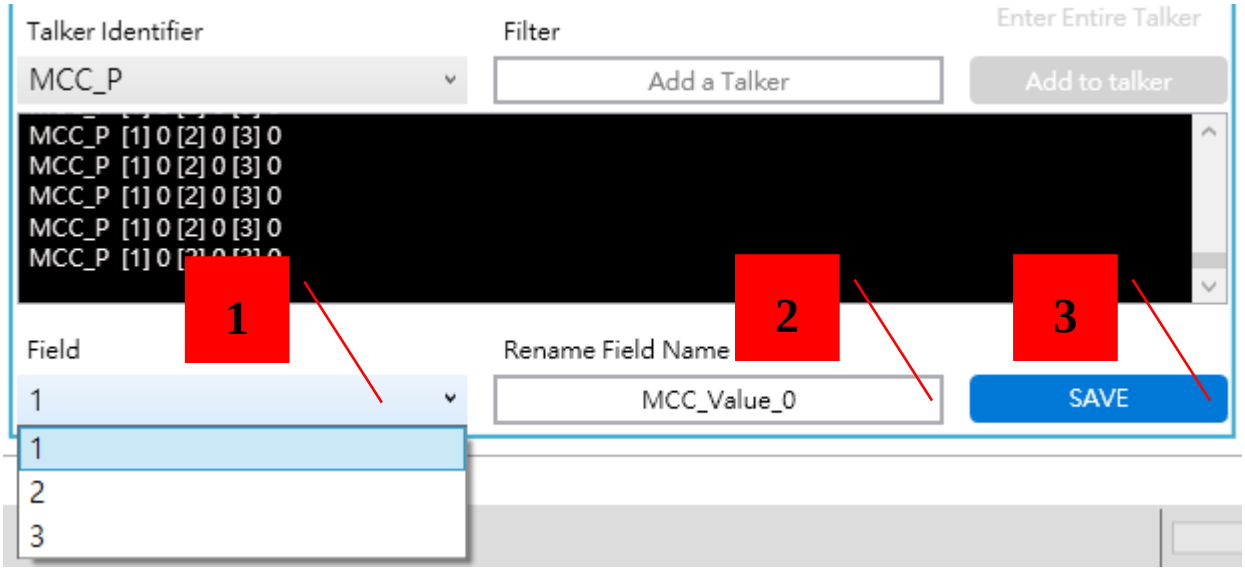


Figure 16 Add Talker to system for OSD

- Add a Talker identifier in the Textbox named Filter
- Press Add to talker



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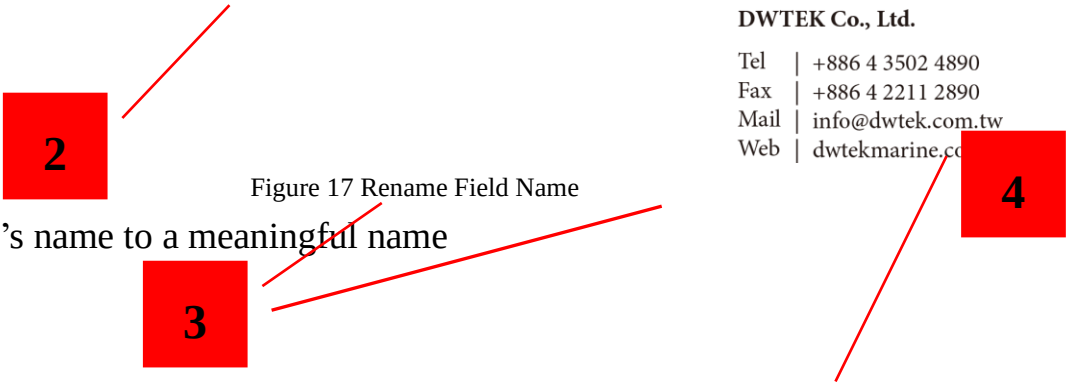

Figure 17 Rename Field Name

- Rename a field's name to a meaningful name

- Custom OSD

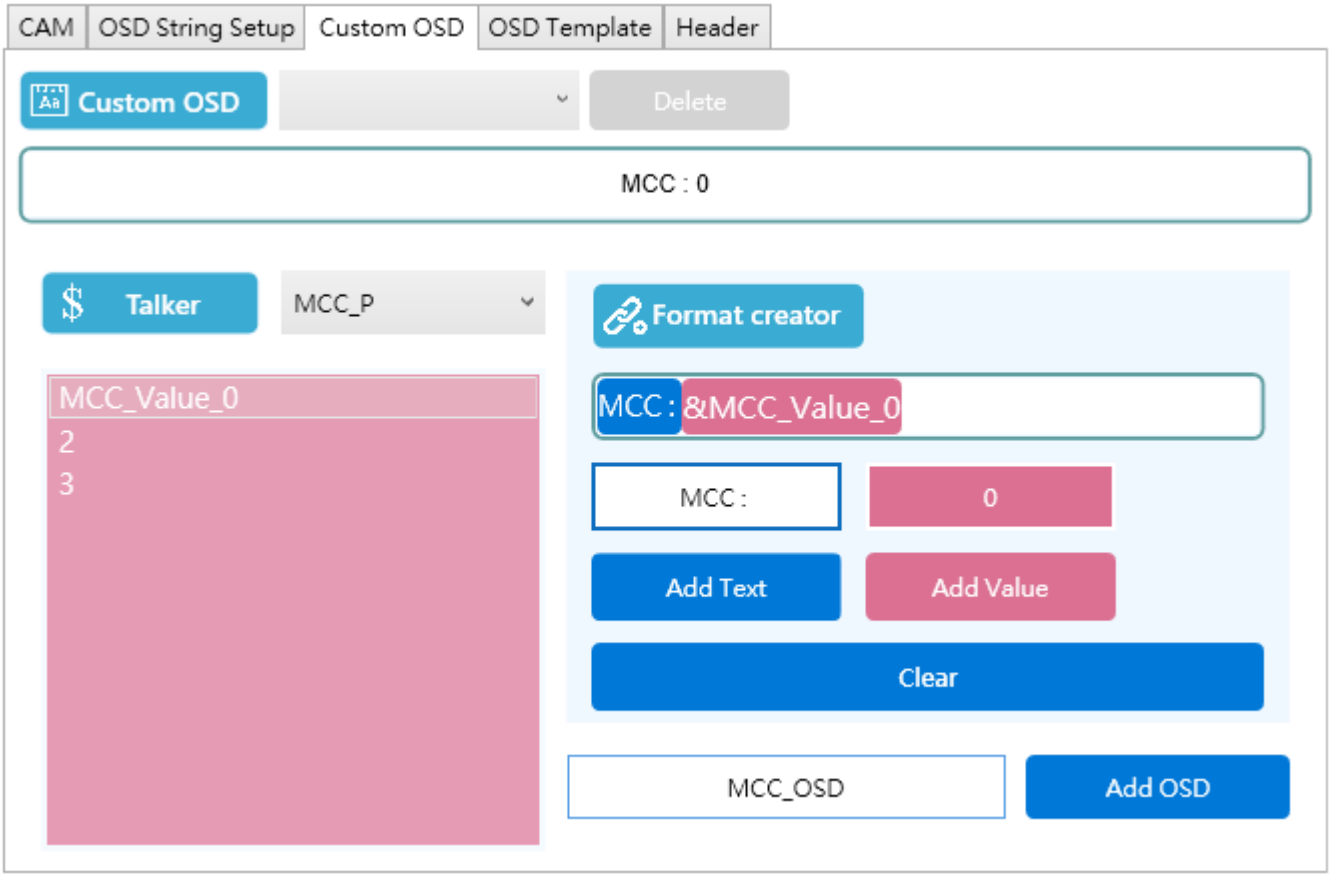

Figure 18 Custom OSD with data

- Choose the Talker which are created in OSD String Setup
- Choose the field of value which we want
- Type a text and add to the format creator or add field of value
- Make a new OSD name for this format of OSD

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◆ OSD Template

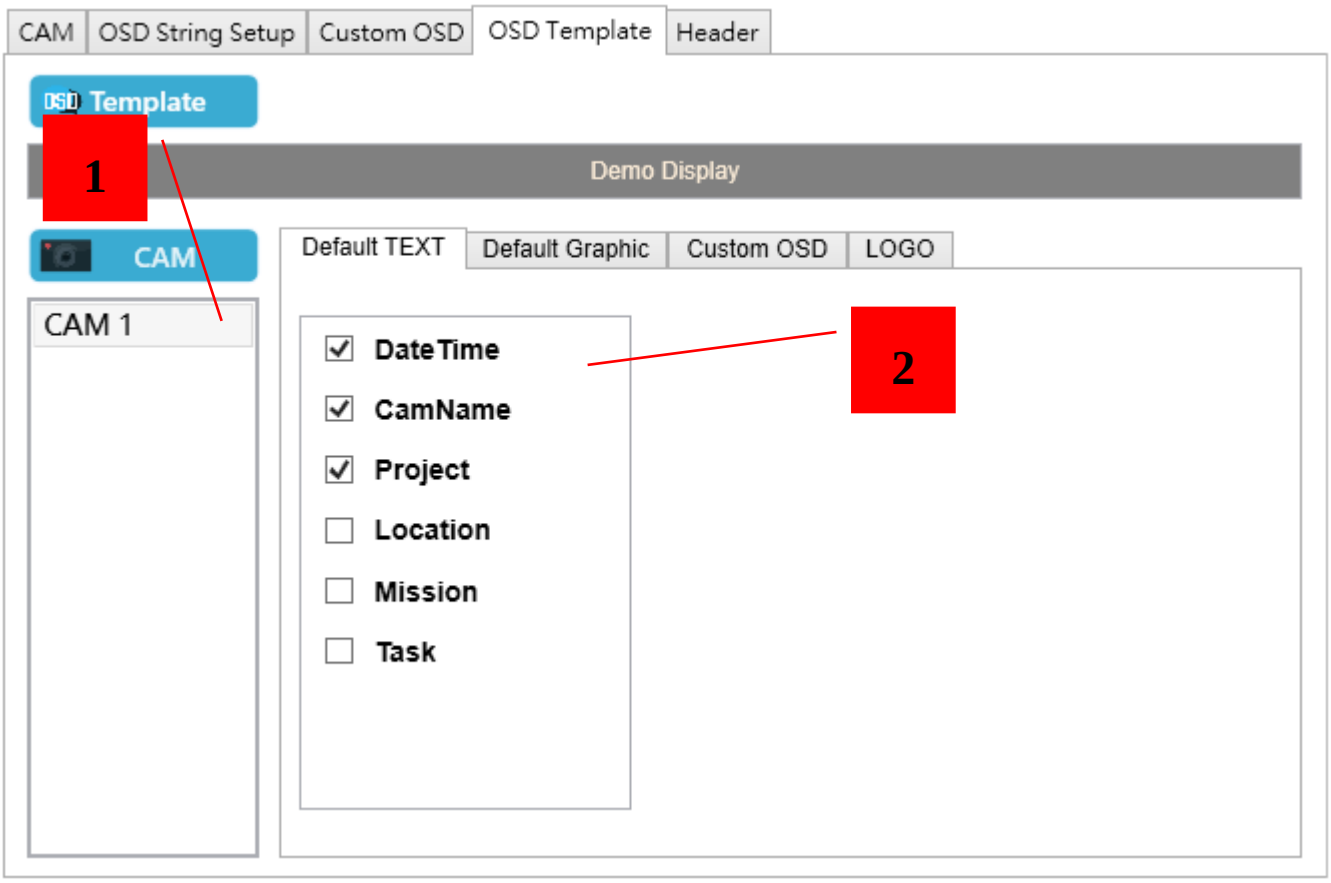

Figure 19 Choose OSD on video

➢ Choose CAM which we want to arrange OSD on it
➢ Check OSD we want show on the CAM

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◆ Header

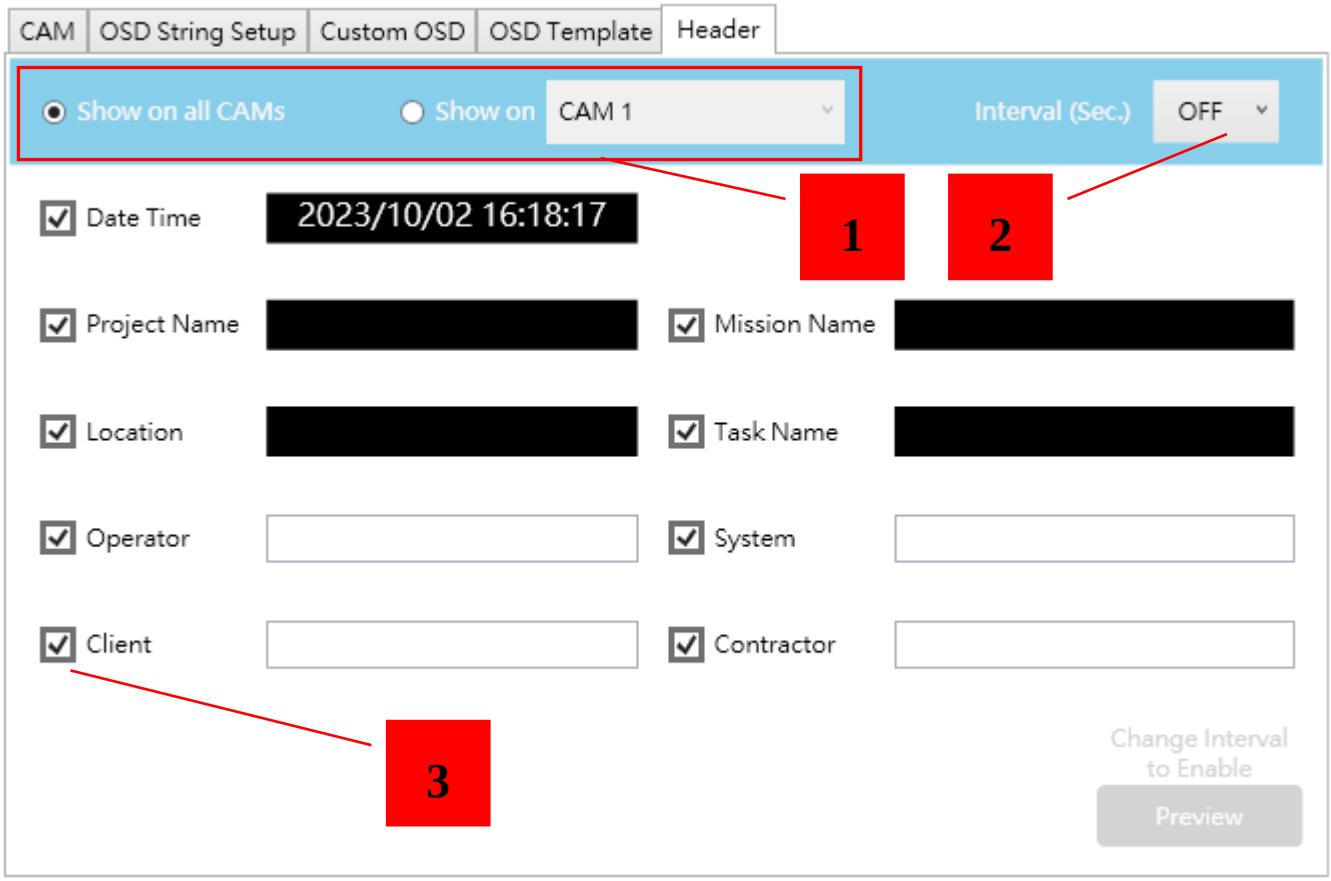

Figure 20 Choose header we want to show

- Choose CAM which we want to show header on video
- Interval :header display mode with OFF、5、10、15、20 and 25 seconds.
- Check the header which we want, they will display after start video.

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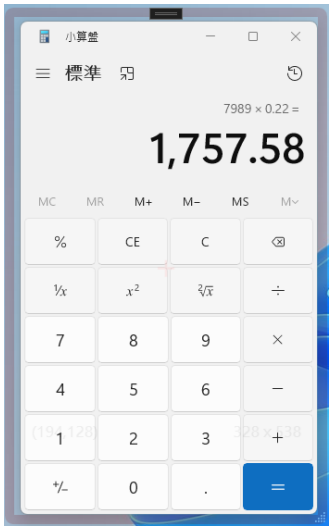
◆ Third-Screen Record

➢ Before start video, a tool to record third party software with our system.

➢ Click THIRD SCREEN on main page

➢ Transparent window frame will show, and drag it to cover on a zone of monitor .Ex. A calculator.



➢ It will auto record after start video

➢ Click THIRD SCREEN to close the function

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◆ Event Editor

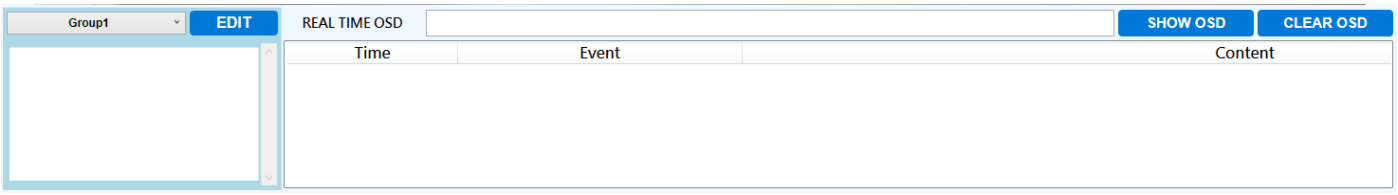

Figure 21 Event Log window

➢ Press EDIT

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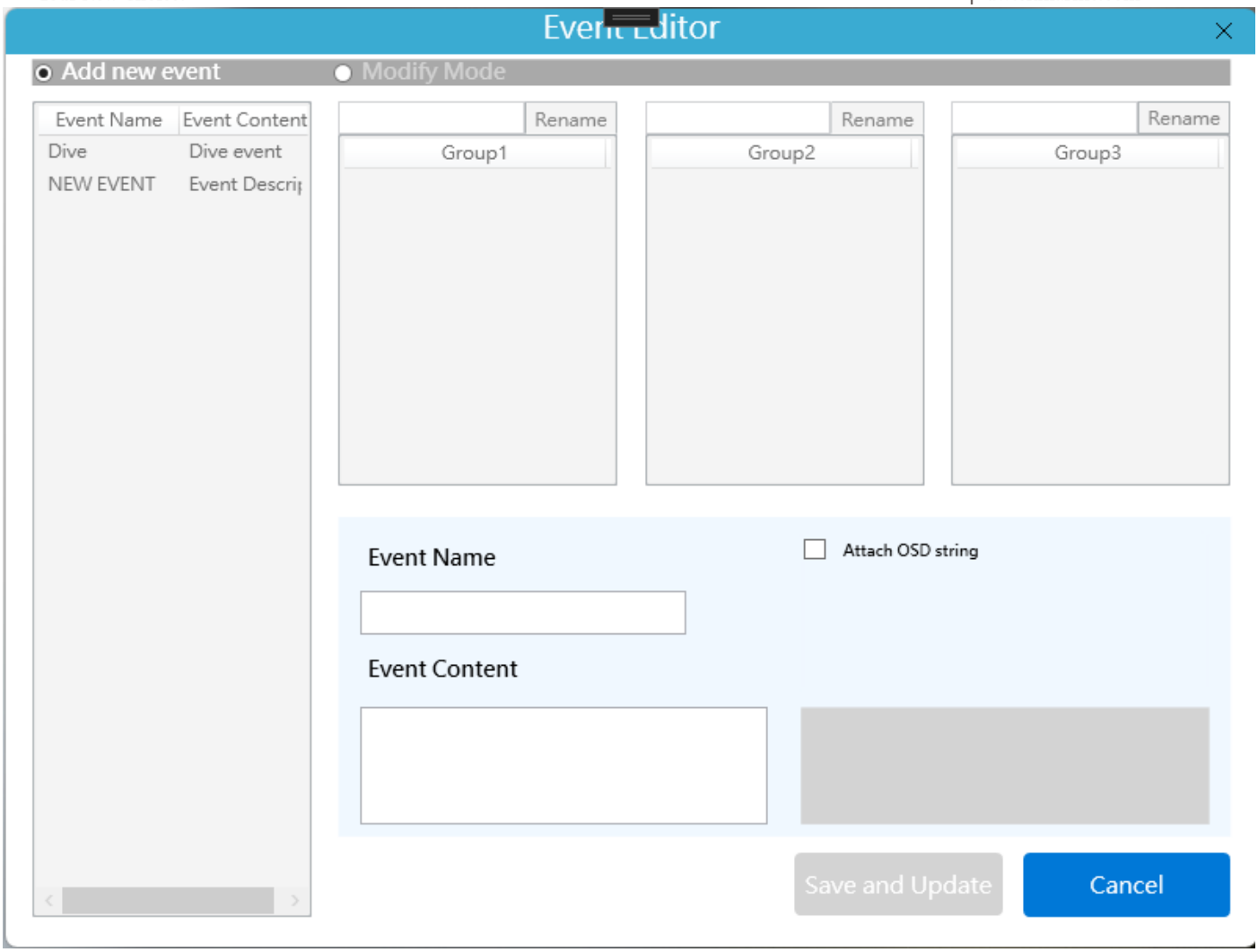
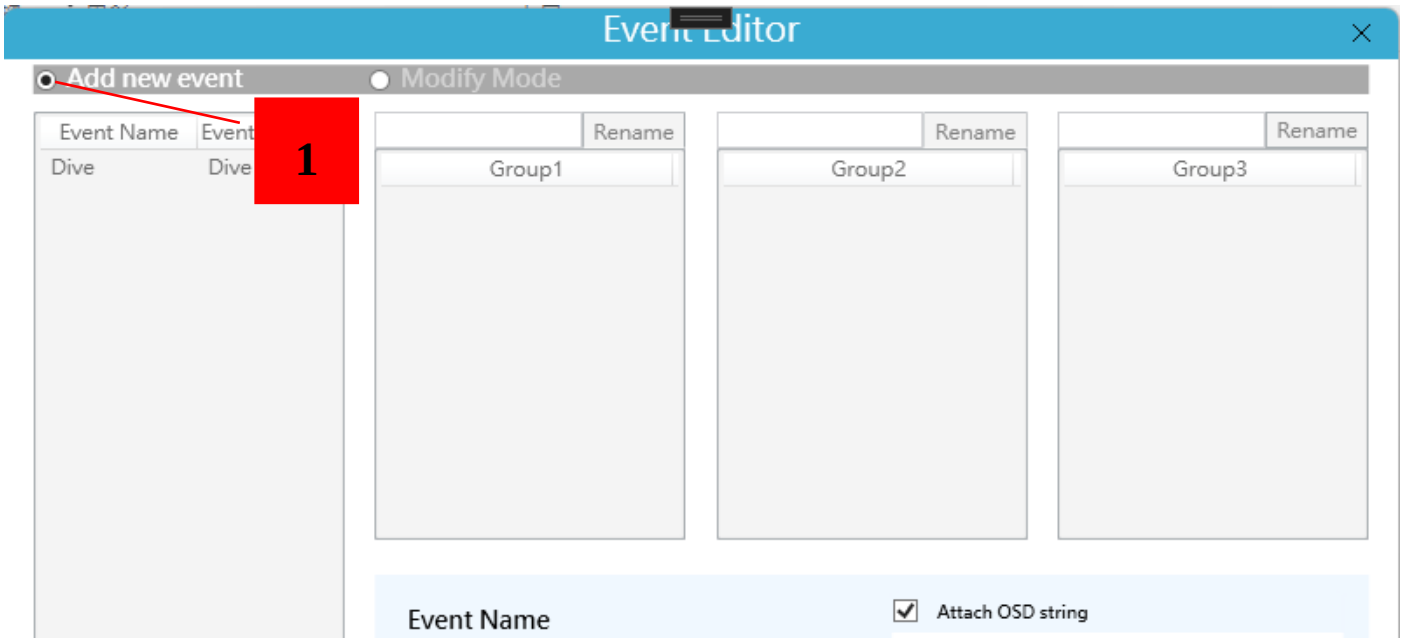


Figure 22 Event editor window



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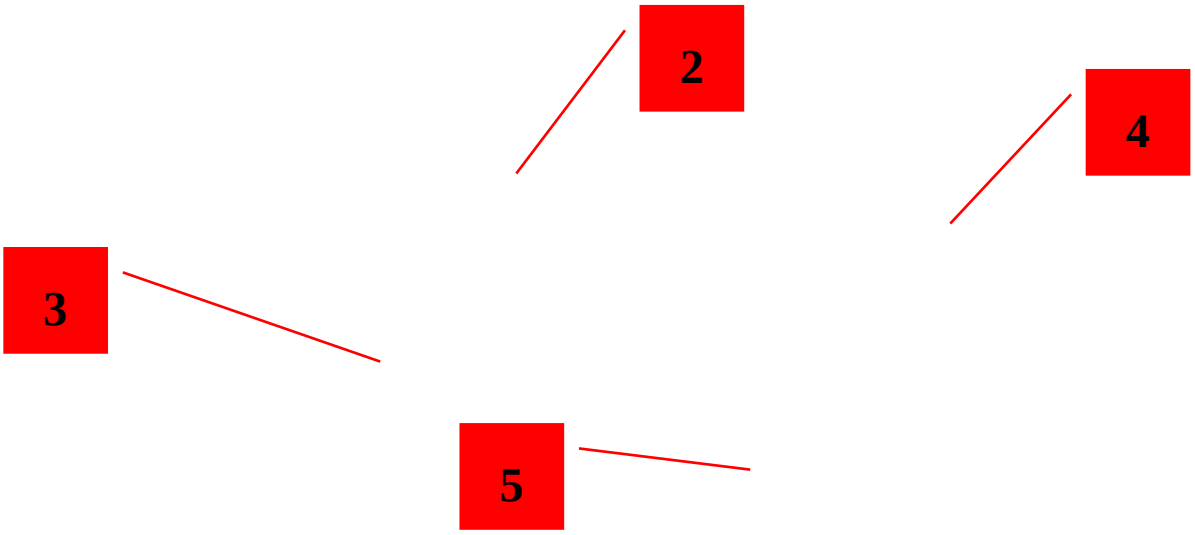

Figure 23 Add new event

- Add new event mode
- Add event name and description with the event in Event Content
- Check Attach OSD string
- Choose a OSD and add to content
- @MCC_OSD@ means MCC_OSD
- Save and Update

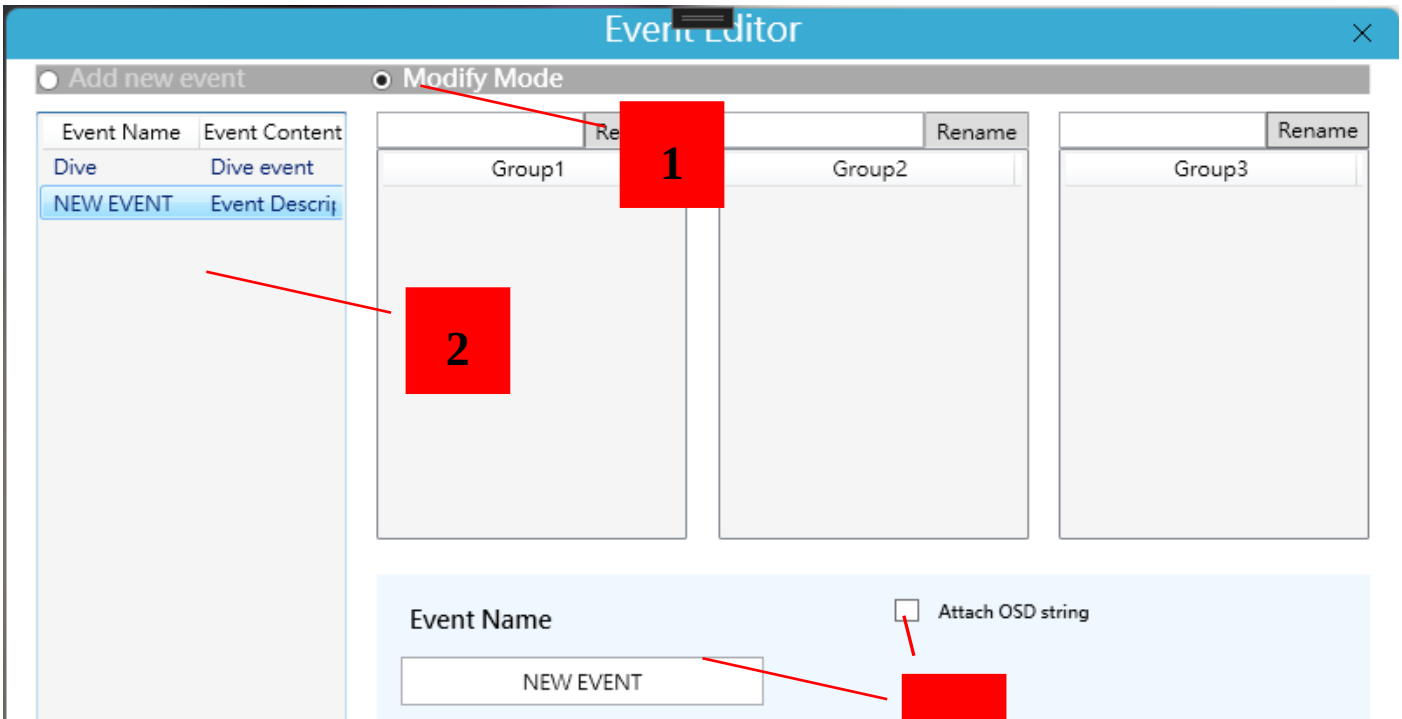

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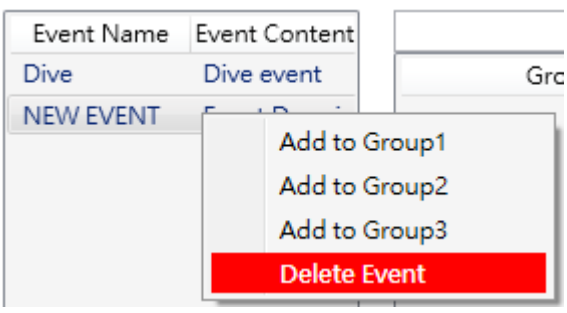
Figure 24 Modify Mode

- Modify Mode
- Choose a event which had exist
- Change event name or event content
- Save and Update



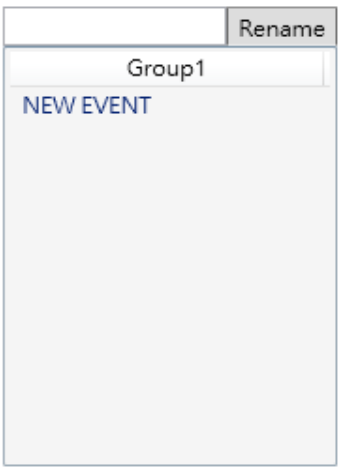


Figure 25 Add event to group

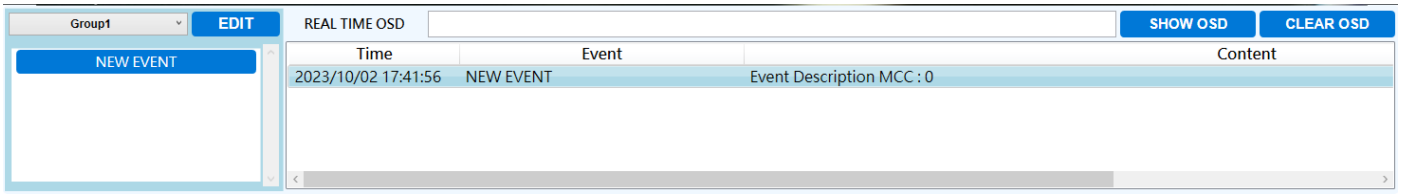


Figure 26 Trigger event to log

- Click event
- Event will save to log