HD Game Capture

High Definition (HD) Video Capture Box with Component Video Loop-Through

GC500 Gaming Capture Box
Installation Manual

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GC500 Gaming Capture Box Installation Manual

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Note: For multi language installation manual, please install **Adobe Reader** from AutoRun after inserting the DVD into the DVD-ROM. Click **"Browse"** and open **Installation Manual** file where multi- language installation manuals are in.

Chapter 1: GC500 Gaming Capture Box Hardware Installation

1.1 Package Contents

Unpack your GC500 Gaming Capture Box package and make sure that all items are intact. The following items should be included in your package:

- GC500 Gaming Capture Box Device
- Quick start guide & Installation Manual
- DVD-ROM with driver & Diamond Video Capture & CyberLink PowerDirector 8
- GC500 BM to AM cable
- Component video and Composite Audio Cable

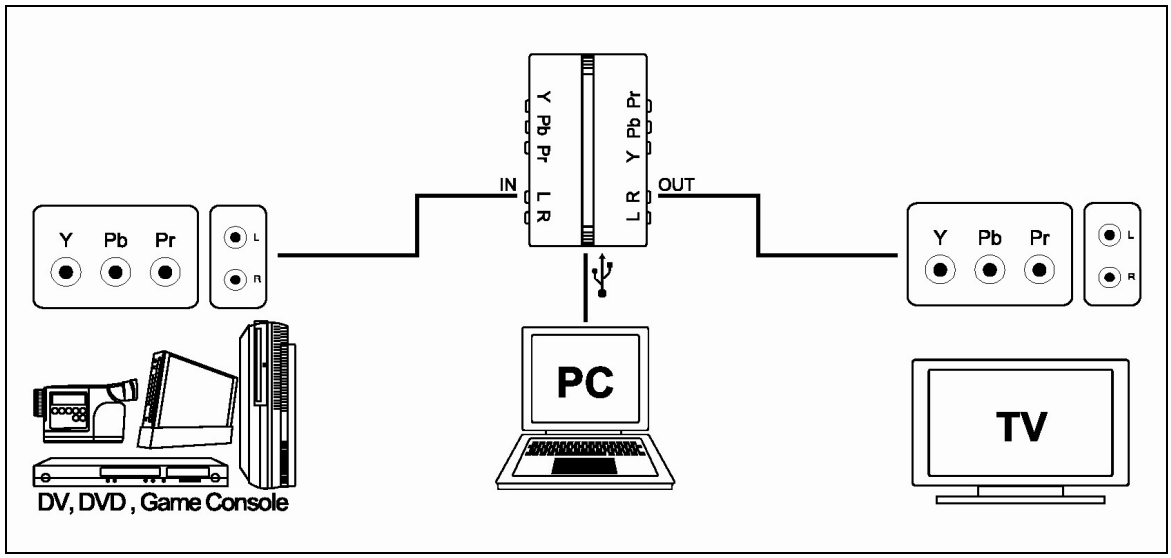
1.2 System Requirements

- Pentium-IV 1.6GHz or higher (recommended)
- 1024 MB RAM of system memory or above (recommended)
- One available GC5002.0 port
- Graphics Card (Must support DirectX 9.0c)
- Sound Card (AC97 compatible sound card)
- 1GB Free HD Space
- DVD-ROM Drive (For software installation)
- Microsoft Windows XP / Windows Vista / Windows 7

1.3 Hardware Installation

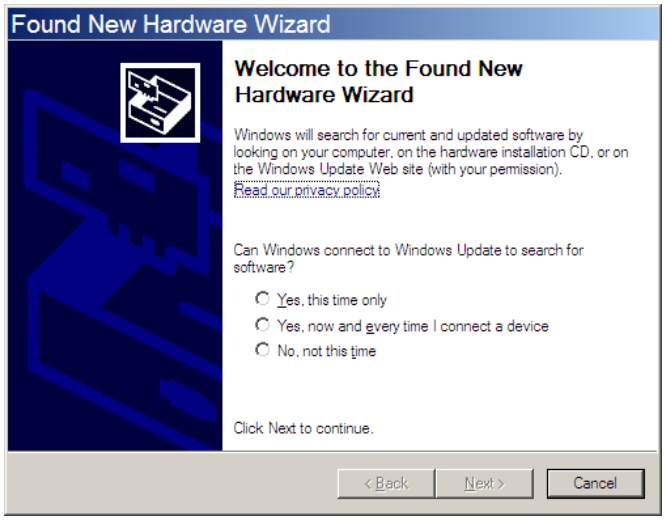
Please follow the steps shown below for installation of your GC500 Gaming Capture Box and follow the pictorial guide below for peripheral connections.

1. Connect the YPbPr / S-VIDEO input into the GC500 Gaming Capture Box connector.
2. Plug GC500 Gaming Capture Box into the USB 2.0 port of your system.

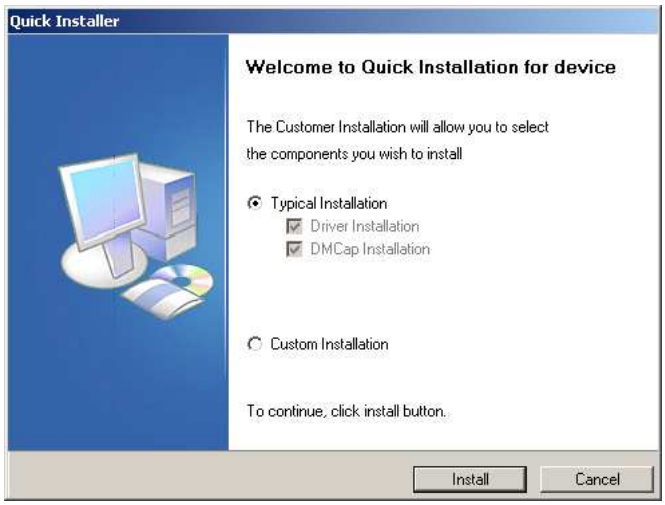


Chapter 2: GC500 Gaming Capture Box Quick Installation

The GC500 Gaming Capture Box package comes with complete Windows software utilities. These utilities can be found on the DVD-ROM in this package. During installation, it is highly recommended to disable any sub-programs. These include applications such as antivirus software and system monitoring applications.

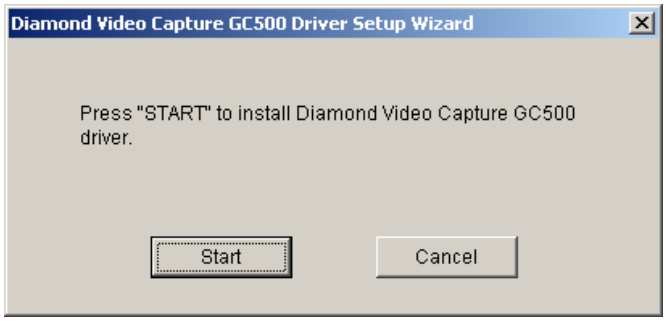


1. When you finish the hardware setup, the ***"Found New Hardware Wizard"*** window will pop up. Please click ***"Cancel"*** and you can make use of GC500 Gaming Capture Box Quick Installation for proper installation.



2. The Quick Installation provides you with two choices to install. Please choose "***Typical Installation***" for complete device driver and software installation, or choose "***Custom Installation***" to set up options according to your personal needs. Click "***Install***" to continue.

2.1 The Driver Installation of GC500 Gaming Capture Box

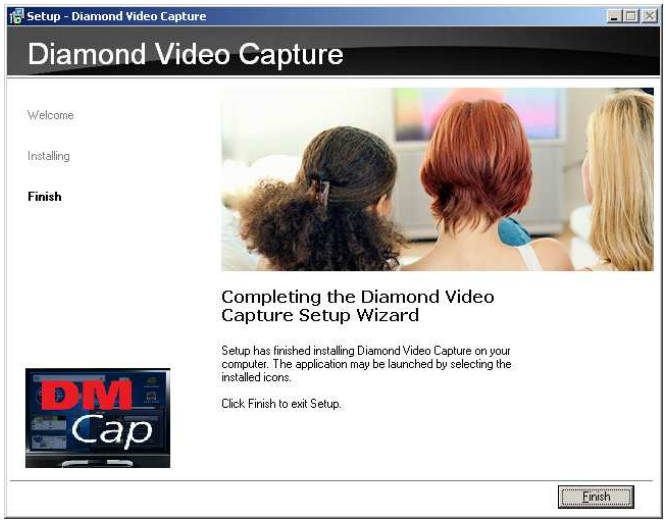


3. Click "***Start***" to install the GC500 Gaming Capture Box driver. Please wait, while the installation is in process.

4. Now the driver has been installed successfully on your computer and click "***OK***" to finish driver installation and go to next step.

2.2 Diamond Video Capture Application Installation

5. The InstallShield Wizard will guide you through installation of **Diamond Video Capture** application. Click "***Next***" to continue.



6. When the message as the one on the left image, click "***Finish***" to end the installation.

7. All the drivers and applications have been installed successfully. Please choose "***Yes, I want to restart my computer now***" to restart your computer (Recommend) and click "***Finish***" to end the installation.

Chapter 3 : FAQ

3.1 How to check if the driver has been installed successfully or not?

- **Ans :**Right click on **“My Computer”** on the desktop and choose **“Properties”**. Once in “**Properties**” window, click on **“Device Manager”** in Hardware panel. Click on the plus icon of **“Sound, video and game controllers”** to open the device list. You can find the GC500 Capture Device See **Fig.1** below.

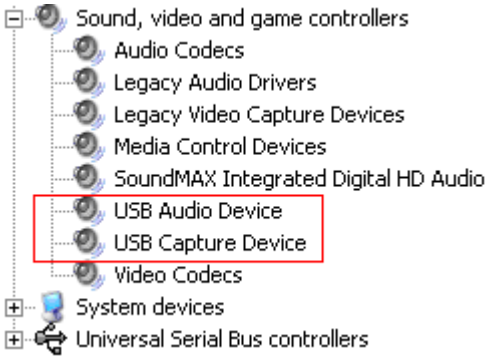


Fig.1

3.2 How to uninstall device driver?

Ans：Click on **“Start”** on the left-down desktop and choose **“Setting”**. Once in “**Control Panel**” window, click on **“Add or Remove Programs”**. Click on the plus icon of **“Change or Remove Programs”** then choose **“Diamond Video Capture GC500 driver”** to remove the device

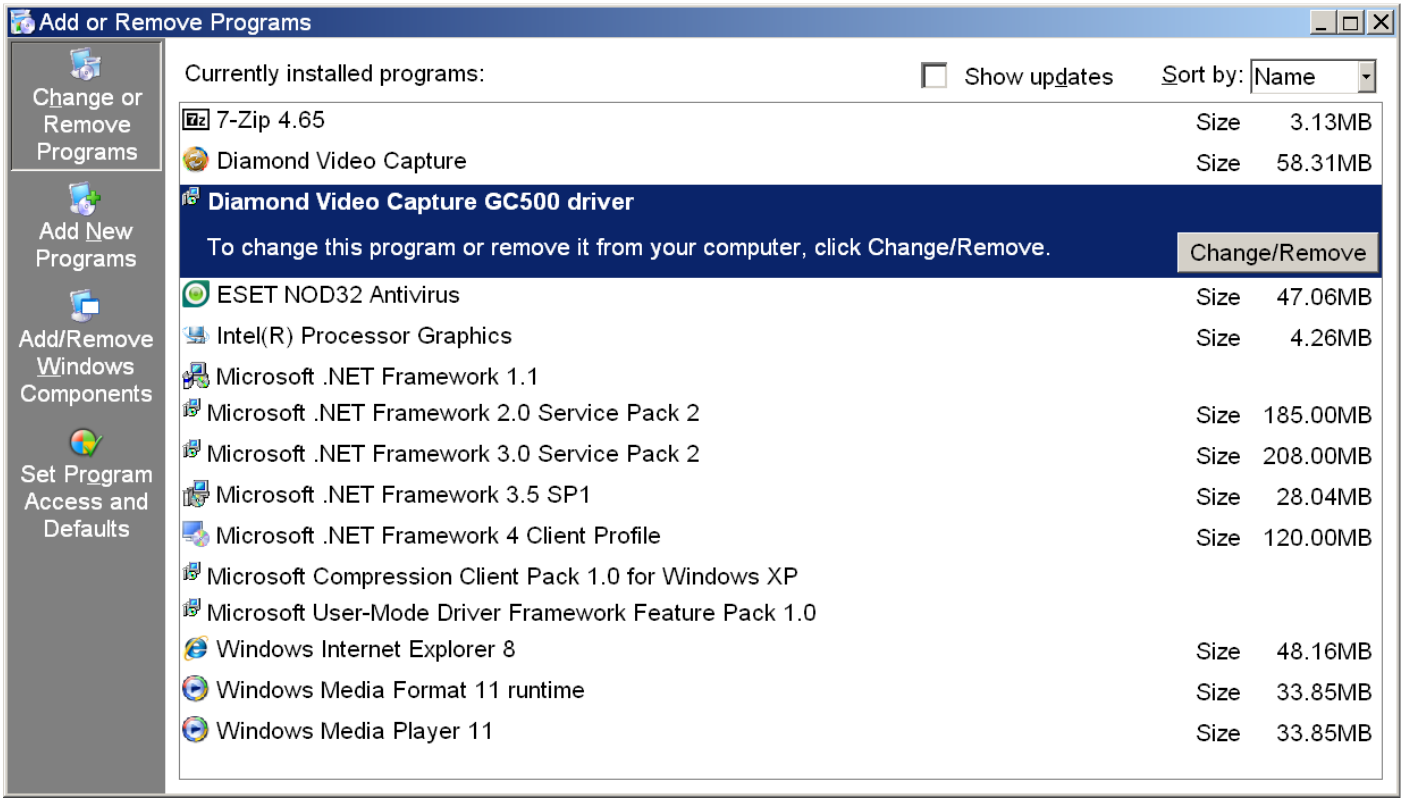


Fig.2

Technical Support

Diamond Technical Support staff is here to help resolve any issues that you may be experiencing with the installation of the Diamond product. Prior to contacting technical support please make sure you have the following information available.

1. Model #: (Printed on the bar code, located on the box)
2. Installation CD Version: (printed on the CD label)
3. The version of Windows that your system is running.
4. The manufacturer and model # of your computer.
5. CPU type and speed (example: Intel Pentium4 2.4GHZ)
6. A complete description of the problem that you are experiencing including any steps that you have taken to try to resolve the issue.

Technical Support Options

Free Telephone Support
818-534-1414
(long distance rates may apply)
Mon - Fri, 8 - 4:30 PST
http://www.diamondmm.com

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DM Cap User Manual

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Chapter 1 Introduction

Thanks for your purchase. It is highly recommended that you check all the functions that the device supports carefully before using the program. This manual will guide you through the essential information how to use this application program.

DM Cap is a multi-functional, graphical and easy-to-use application software that offers you the most comprehensive multimedia entertainment enjoyment. Please notice that the multimedia functions may vary depending on the product you purchased.

1.1 Software Features

- It's a multi-functional, graphical software application program that consumes less RAM space and CPU capacity.
- Playback recorded videos in PIP mode
- Sleep timer (auto close AP, Auto close PC)
- Snapshot format: BMP, JPG, PNG, TIFF
- Continuous snapshots counts from 1 to 100
- Support multiple H.264 record format

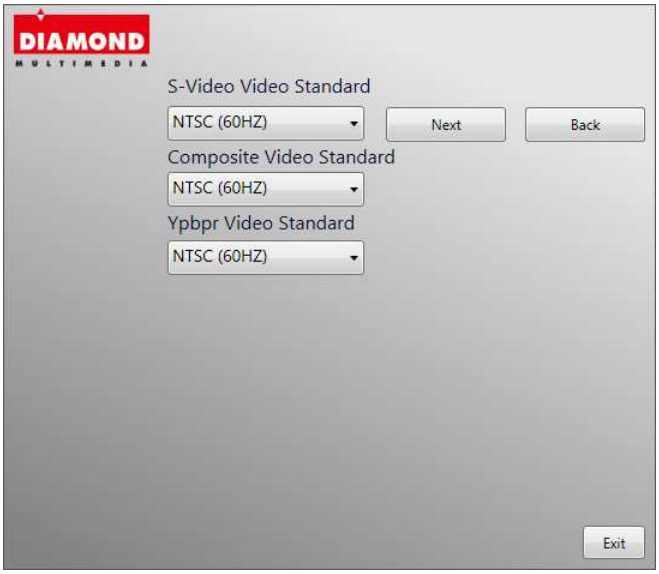
1.2 Console Setup

1.2.1 Signal setting

When you run DM Cap for the first time, the system will guide you through the necessary steps of signal setting.

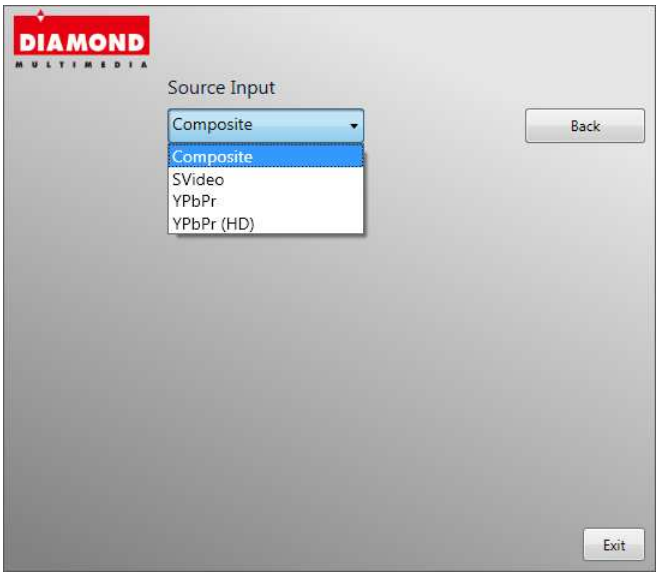
1. Capture Device belongs to Analog Device. Please click "***Next***".

2. Here we can see the capture device, Click "***Next***".



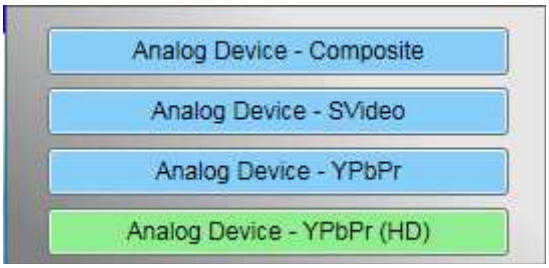
3. Please select the video standard for your input source, and click "***Next***".

* U.S. Standard leave Default Settings.



4. Please select capture source and Click "***Exit***" to finish the setup.

1.2.2 Source Inputs



1. Select your device and signal source such as ***Analog Device - YPbPr***, ***Analog De-vice – YPbPr(HD)*** DM Cap will import the signal source you select. It depends on the device signal source and show here.

Analog Device - YPbPr: If you choose Analog Device - YPbPr , please make sure your game console display setting is 480i / 576i

Analog Device – YPbPr (HD): If you choose Analog Device – YPbPr(HD) , please make sure your game console display setting is 480P /576P / 720p / 1080i.

Notes：YPbPr input for 720p / 1080i only support 60Hz video signal. YPbPr input for 720p with 50Hz and YPbPr input for 1080i with 50Hz are not supported.

Chapter 2 DM Cap

You can capture video from game consoles. Once you have done your initial setup (source input), you can enjoy playback recorded clip video from game consoles.

2.1 Main Panel

Buttons

	Capture		Snapshot		Display Ratio		Volume Down
	Volume Up		Mute		Playback		Setup
	Source Input						

Display Ratio: Change ratio base on a routine setting. (Free/4:3/16:9/Base on source)

You can adjust your display ratio when you move your mouse cursor to the arrow at the right of this option. There are Free, 4:3, 16:9. It is the same as you click on the Display Ratio function icon on the interface.

Free: The initial ratio when you start VivaTV and you can adjust it by dragging the edge of the VivaTV window.

4:3: Its produces a traditional square display

16:9: Its produces a rectangular, wide screen display

Volume Down: Adjust DM Cap volume to be loud or quiet

Volume UP: Adjust DM Cap volume to be loud or quiet

Audio Mute Mode: Turn DM Cap volume on or off.

Playback: Playing recorded file from PC.

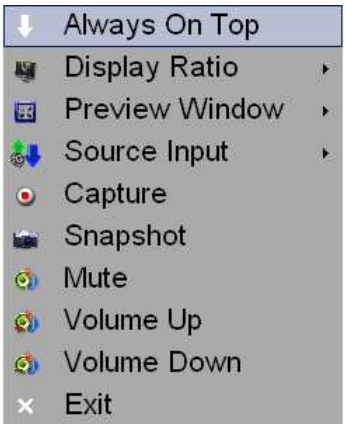
Schedule Recording: You can schedule your record process

Source Input: Setting your video source

Setup: Setting functions

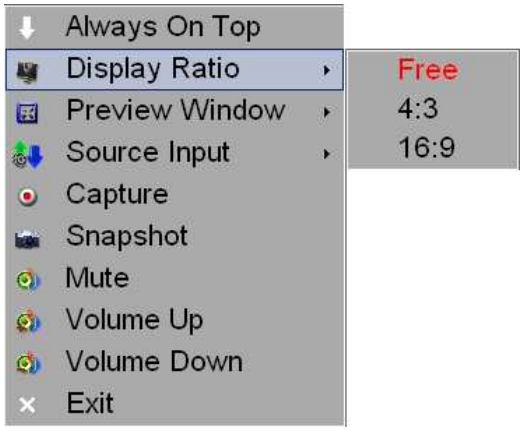
2.2 The Tool Menu

Always On Top:

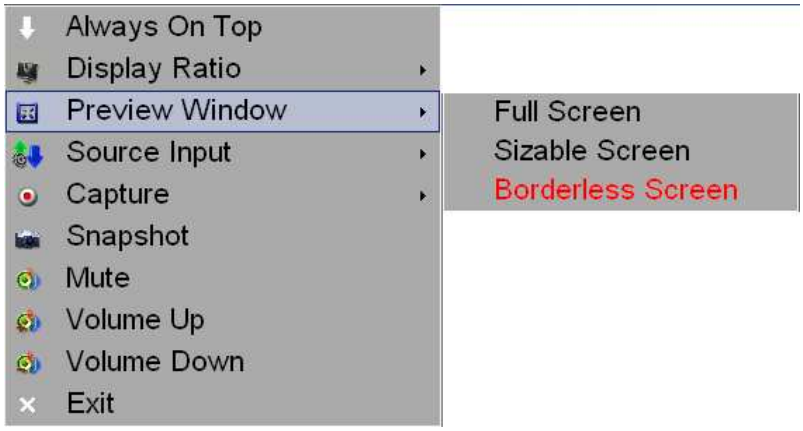


Apply To All Channels: If you select this option, the adjusted display ratio will be applied to all of your available channels.

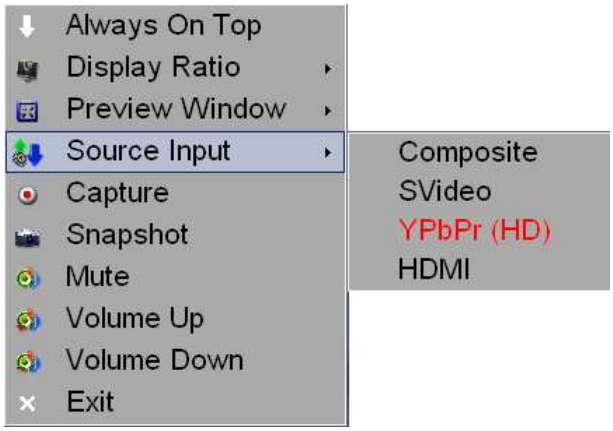
Display Ratio: You can change your display ratio from free, 4:3, 16:9



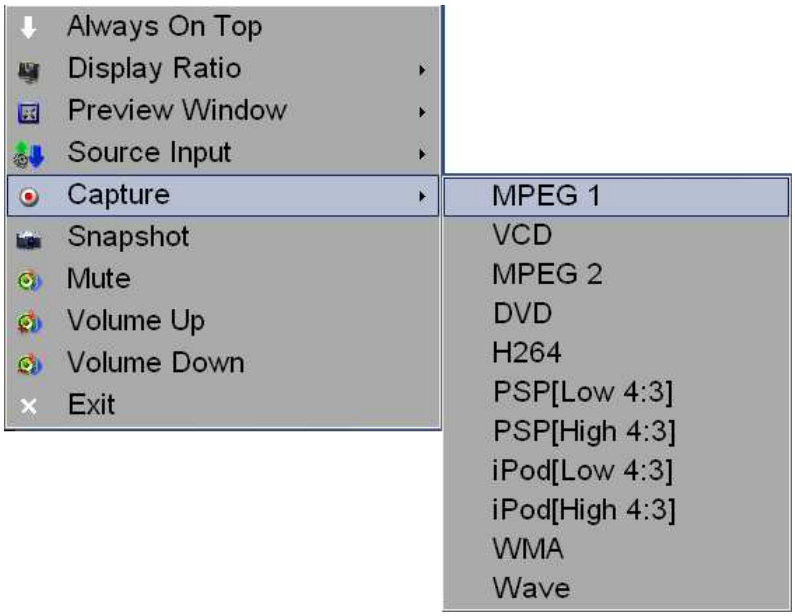
Preview Windows: You can setting Full Screen



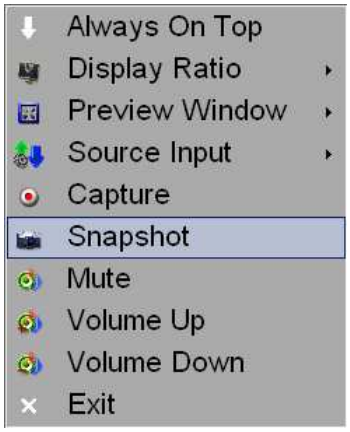
Source Input: You can choose signal sources



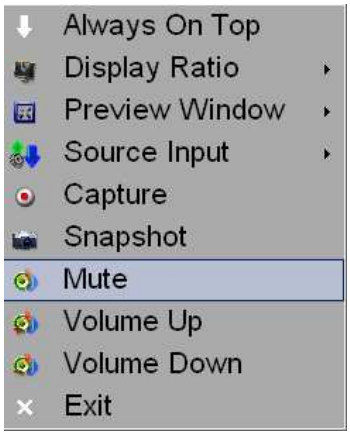
Capture: You can choose to capture formats.



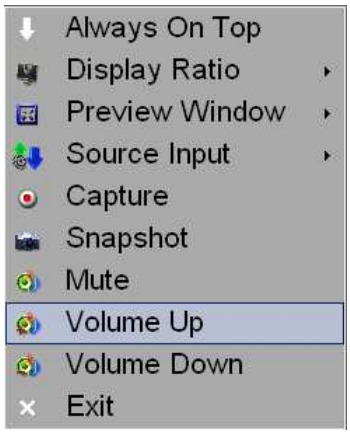
Snapshot: Activate Snapshot function to take the photo. You can also do the same if you click on the Snapshot icon on the main control bar.



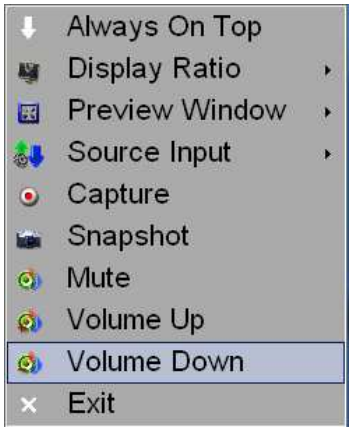
Mute: you can set the DM Cap no audio output.



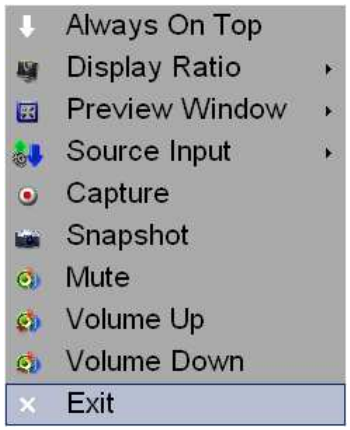
Volume Up: Increase the audio volume.



Volume Down: Decrease the audio volume.

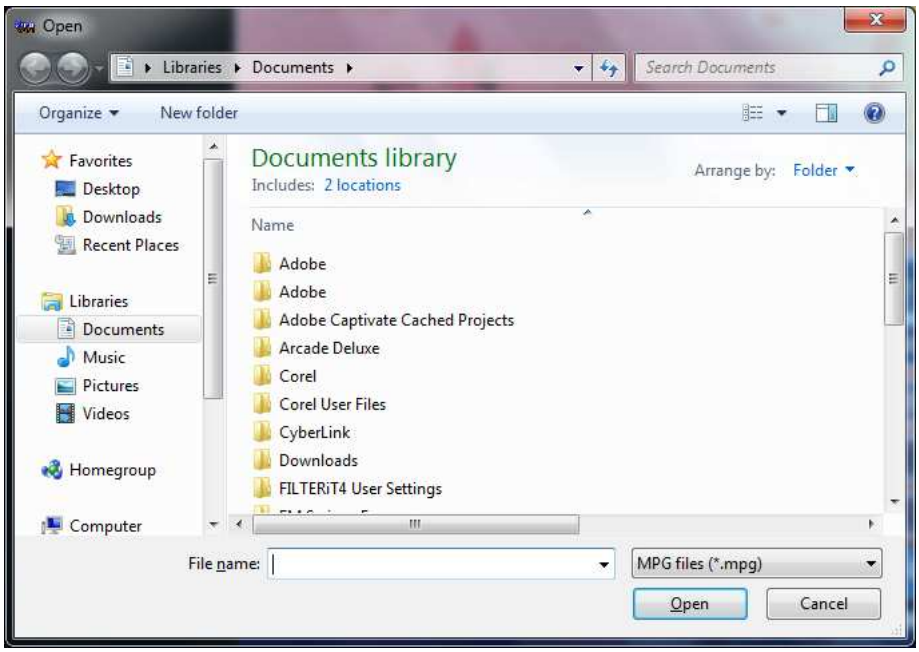


Exit: Close / Exit DM Cap window



Chapter 3 Playback

When you click on this icon , you can choose a recorded file for playback or a file from folders in your PC.



Performed the PIP mode when playback recorded file

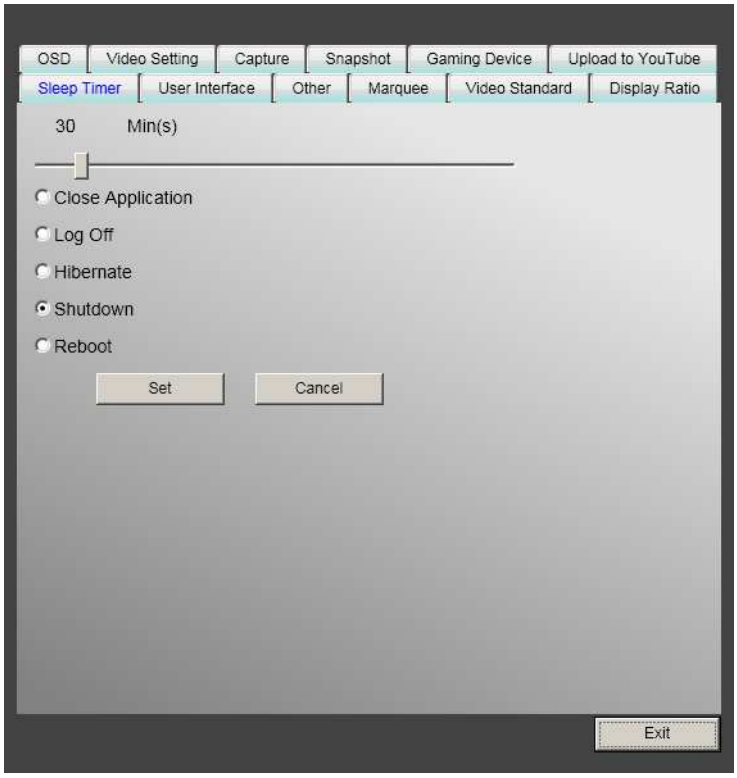
Chapter 4 Setup

In DM Cap, you can simply make settings as your favorite in Setup page. Since DM Cap has been launched, click Setup button to access Setup page.

4.1 General Setting

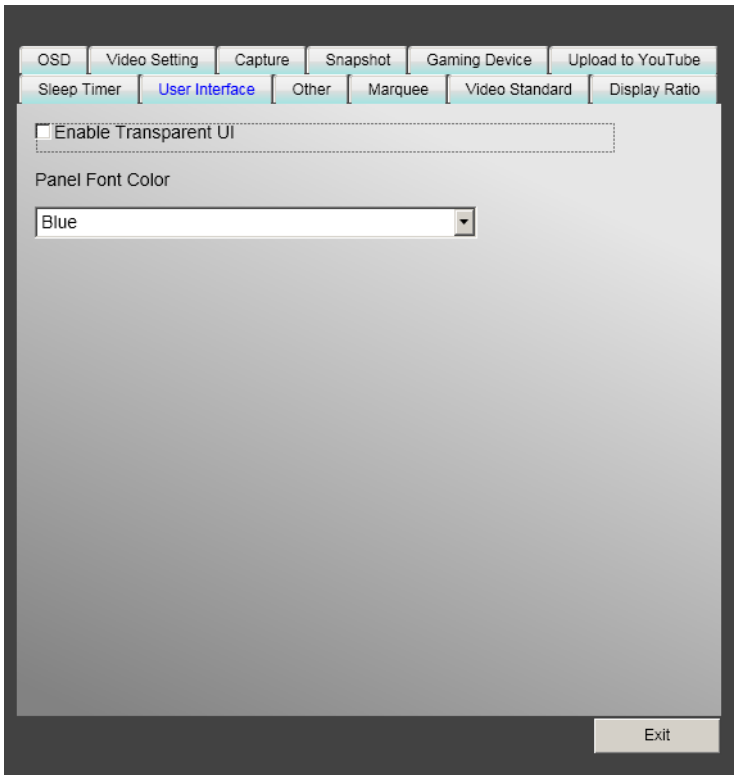
You can find ***Sleep Timer***, ***User Interface***, ***Marquee and other options,*** in Setup page. Those can help you to improve your power saving, scanning adjustment, colorful UI and language and location.

4.1.1 Sleep Timer



You might watch TV but get sleepy after minutes later or leave your TV for emergency. For any specific reason, you would like to ask VivaTV to help you on something. There are 5 options, Close Application, Log off, Hibernate, Shutdown, and Reboot, for setting. Besides, you can move time shuttle left or right to adjust time period.

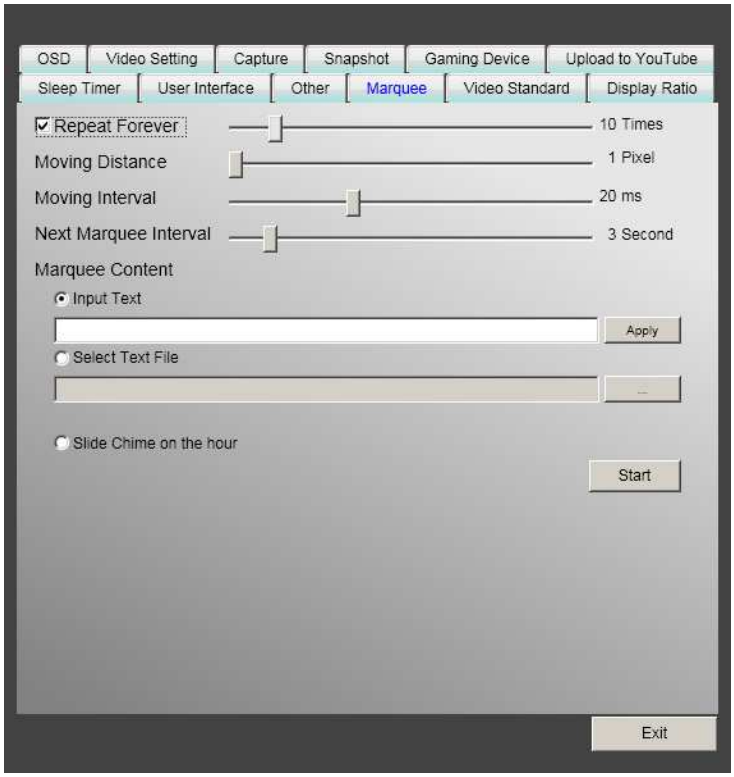
4.1.2 User Interface



4.1.3 Other

4.1.4 Marquee Setting.

Here we can set the properties of the marquee such as moving distance, interval, the content, and so on.

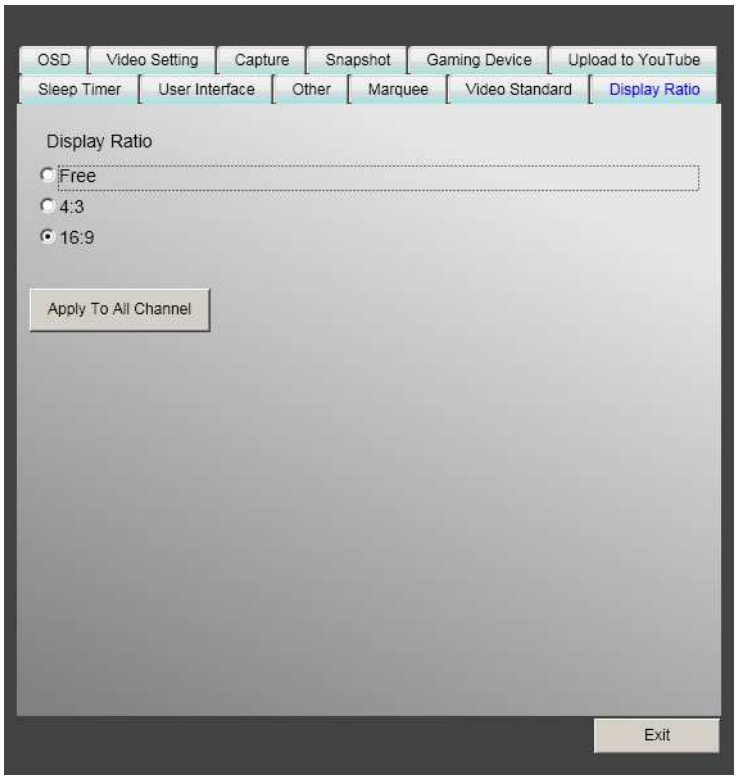


4.1.5 Video Standard.

Here we can set Video Standard

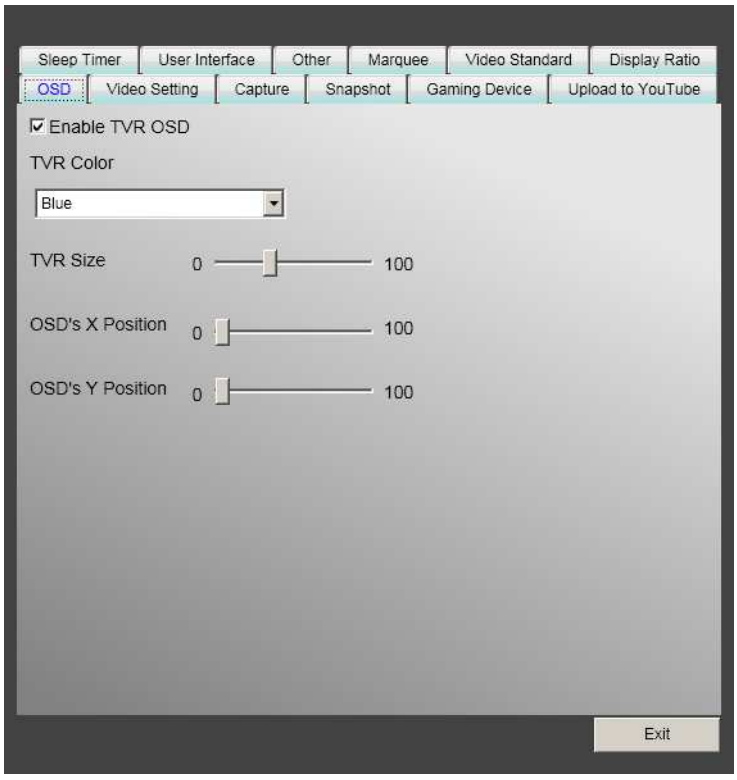
4.1.6 Display Ratio.

Here we can set the display ratio: Free, 4:3, 16:9



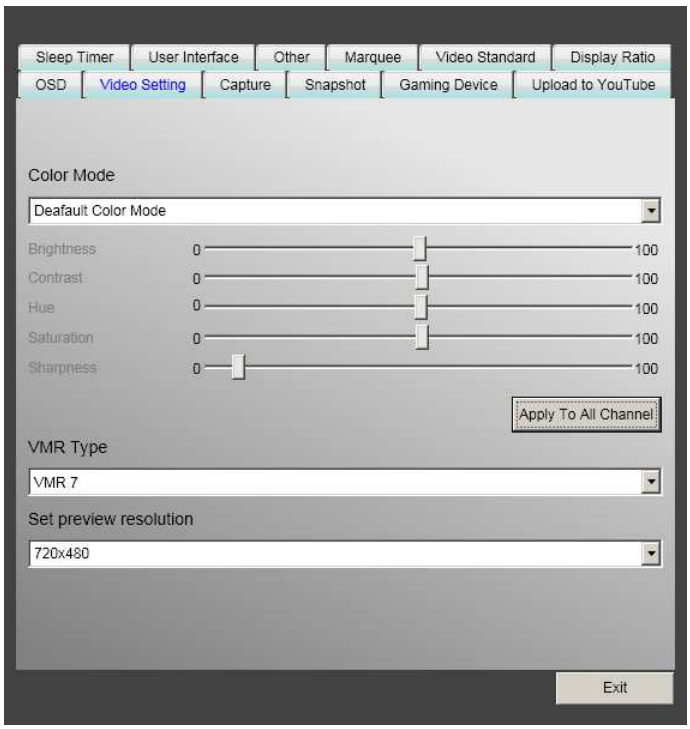
4.1.7 OSD

Here we can set the OSD color, show or not, and adjust the position, the font color.



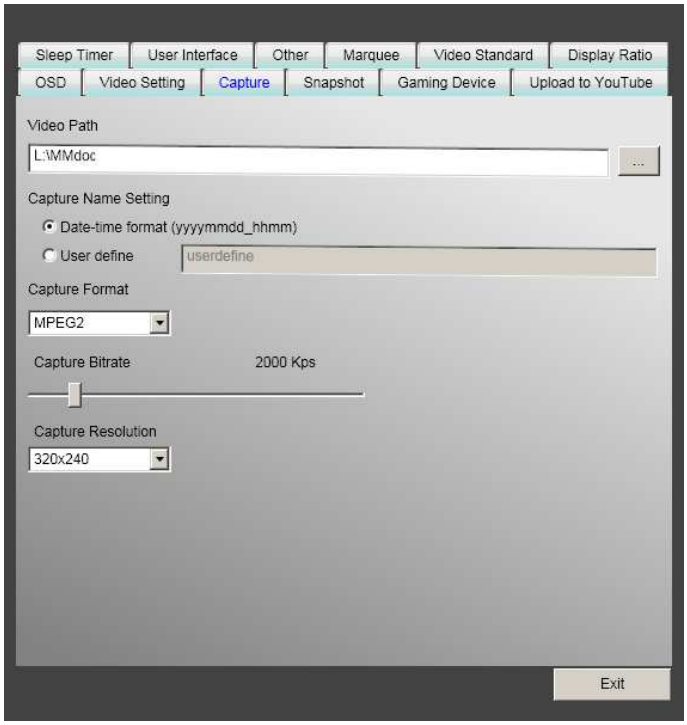
4.1.8 Video Setting.

Here we can adjust the brightness, blue, red, contrast, saturation, the VMR type, and preview windows size.



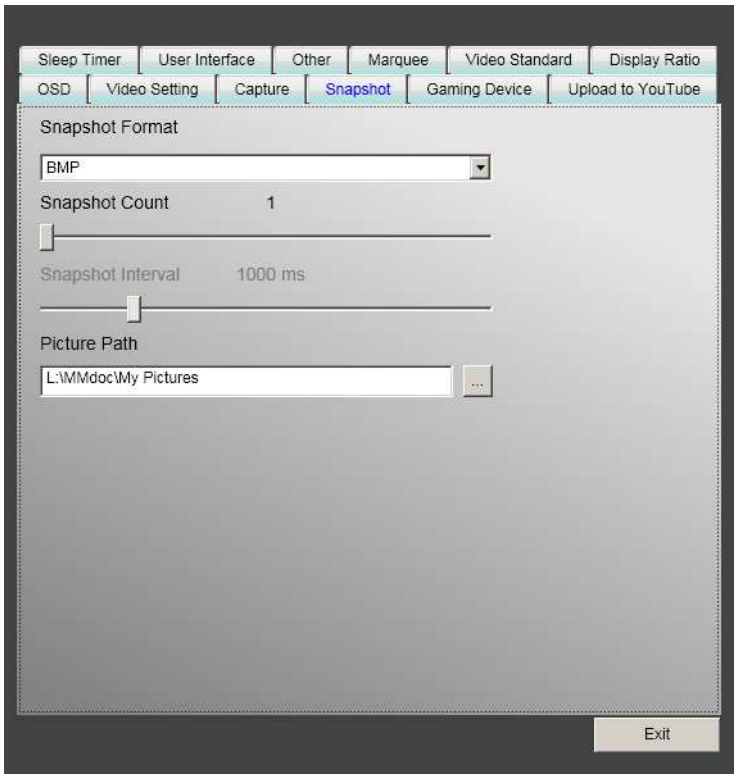
4.1.9 Capture

Here we can change video path, capture name setting, capture format, capture bitrate and capture resolution.



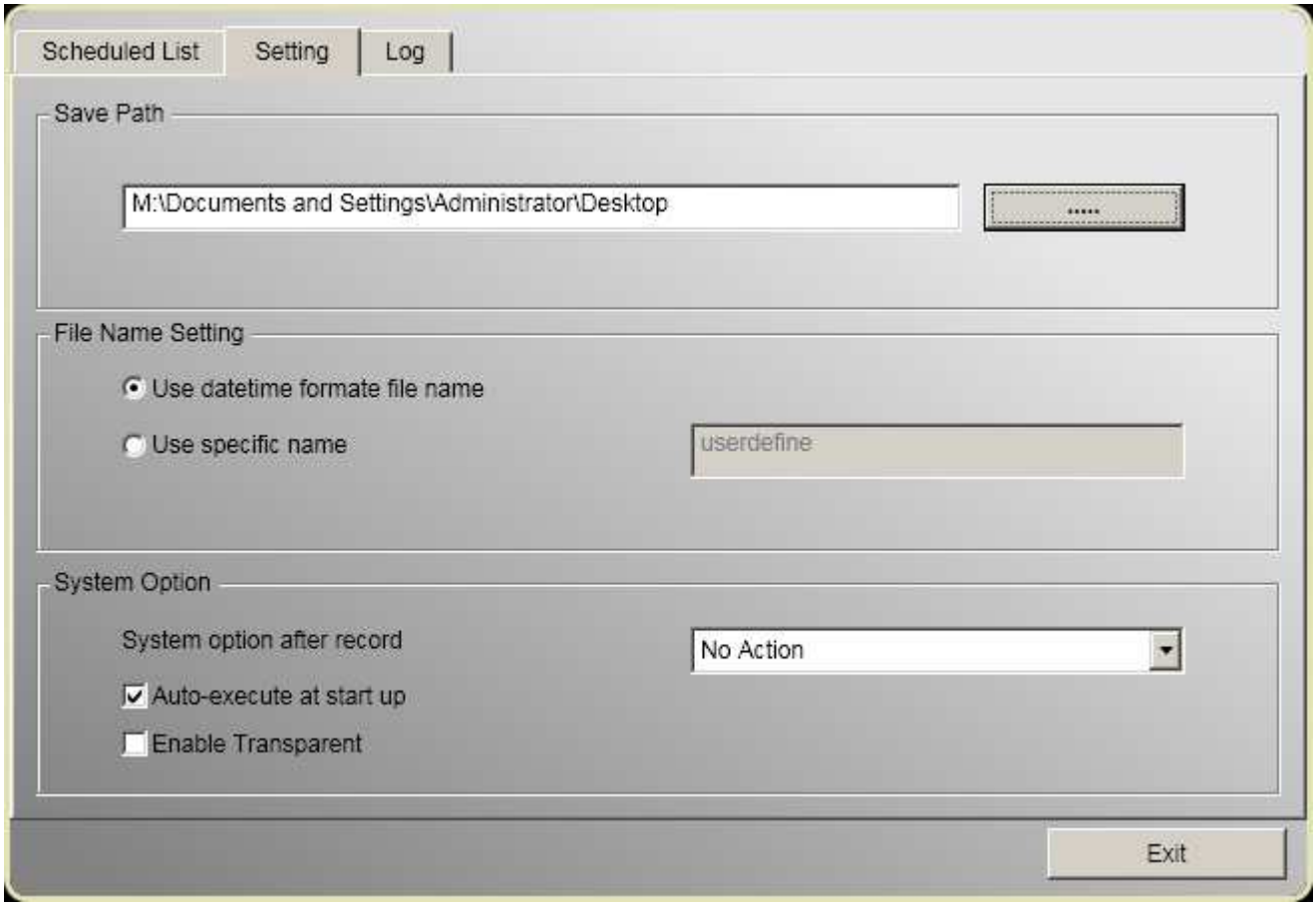
4.1.10 Snapshot

Here we can set the snapshot file format, where to save the pics, and the how many pics will be saved when using the snapshot function.



Chapter 5 Schedule recording

You can click the schedule record on the main floating bar to use the schedule record function.



Capture device：your concorrent using device.

Capture Soruce Type：depends on your signal source.

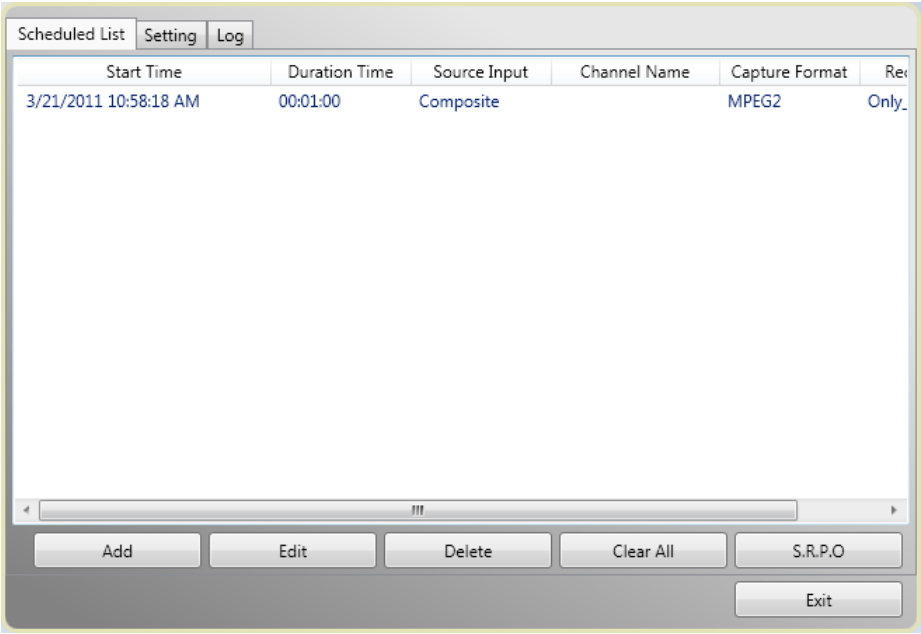
Capture Format / Capture Size / Audio option / BitRate：choose the proper option to meet your need.

Time Option setting：You can set the Start / End time.

Record Rule：You can choose the record rule such as only once / everyday / every Sunday……

Record in silent mode：silent mode won’t show the video on screen when recording.

In Schedule List Tab. You can see your schedule entry here.



Add：Add new schedule entry

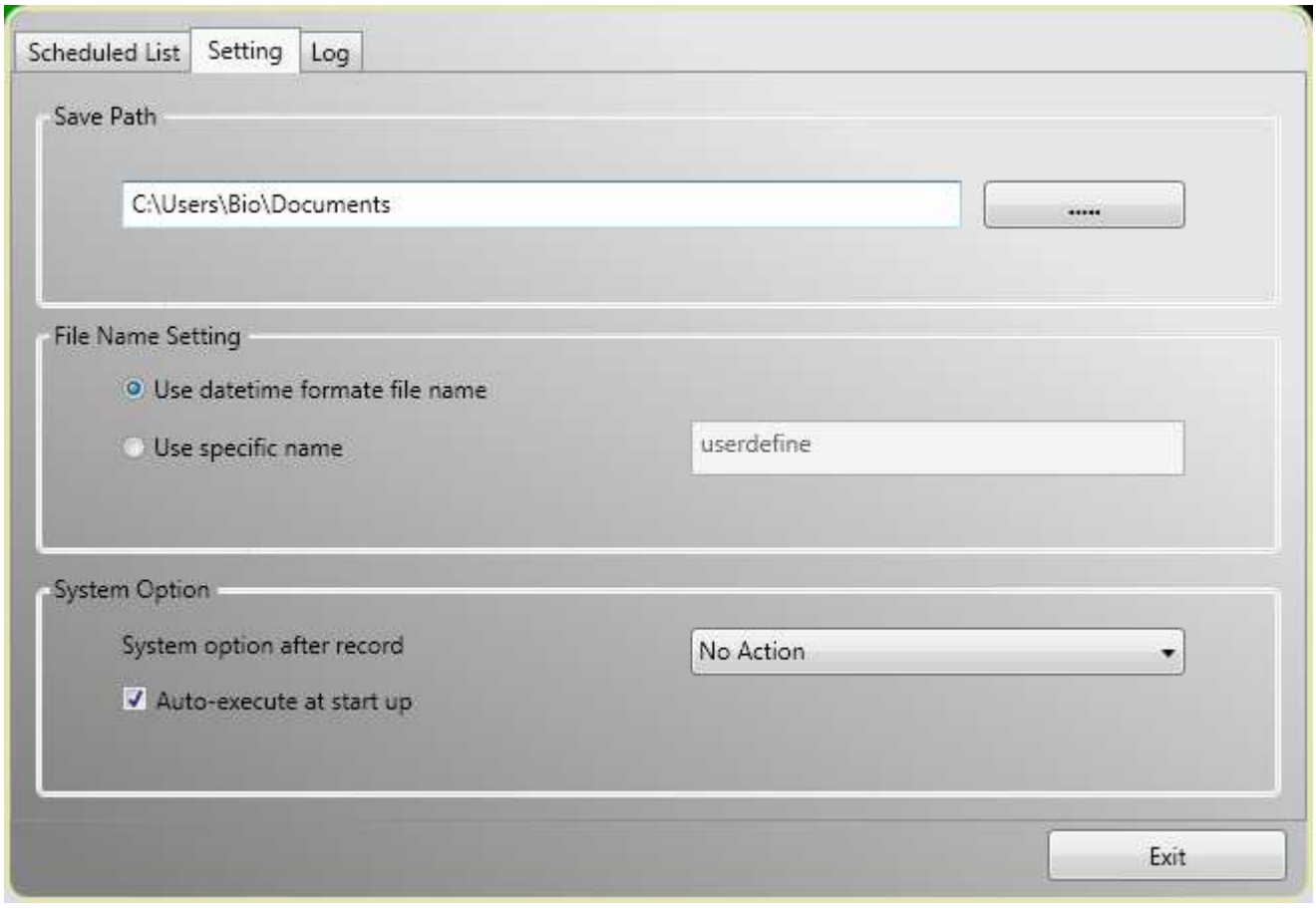
Edit：Modify the selected schedule entry

Delete：Delete the selected schedule entry

Clear All：Clear All schedule entries

S.R.P.O.：Schedule Record in Power Off mode. When click the S.R.P.O, system will enter hibernate mode and power off. Because the S.R.P.O need system hibernate function enabled, please be sure the system supports hibernate function. System BIOS set to S1 is OK.

In Setting Tab.



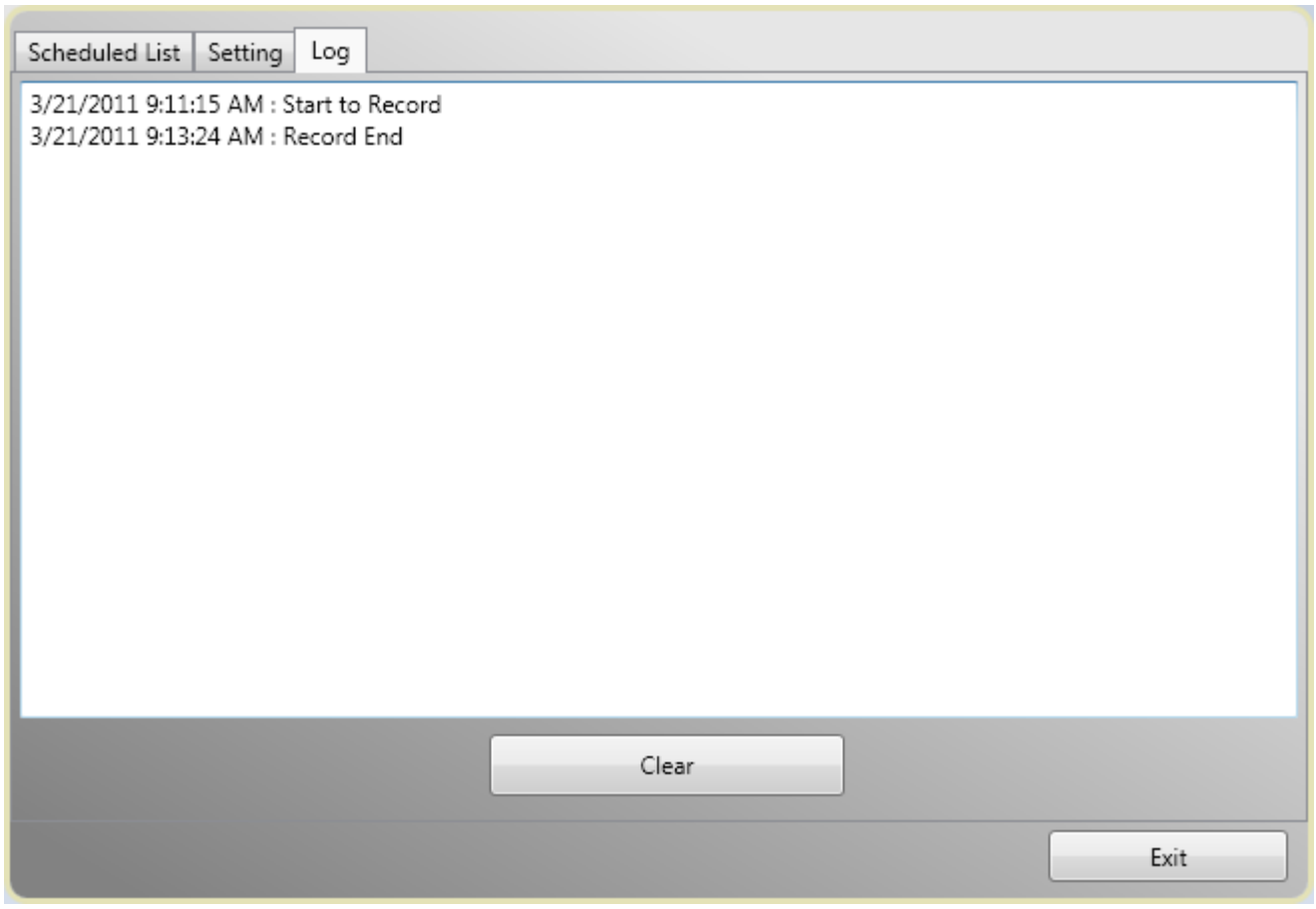
Save path：Indicate where to save the recorded file.

File Name：2 options here, use specific name or default name.

System Option：After record is completed, you can choose No Action / Suspend / Shutdown the PC……

Auto-execute at start up：To ensure the schedule record perform correctly, please enable the checkbox.

In Log tab.



Here will show the log for schedule recording.