



# **VM-99509 9ch CCTV Multiplexer**

## **HD-TVI / AHD / HD-CVI / Analog CVBS**

**Manufactured exclusively for CCTV Camera Pros**

Product Page: <https://www.cctvcamerapro.com/CCTV-Video-Multiplexer-p/vm-99509.htm>

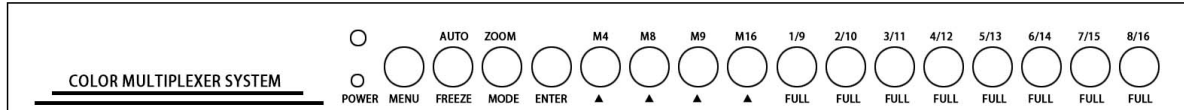
## 1. Introduction

The VM-99509 is a 9 channel CCTV video multiplexer that works with HD-TVI, HD-CVI, AHD, and Analog CCTV cameras (CVBS). D1 and 960H format CVBS cameras are supported. Users can view live video from multiple cameras on a HD TV or monitor at 1080p resolution using the HDMI and VGA video output.

## 2. Main Features

- 9 channel BNC video input. Each input can accept HD-TVI, AHD, HD-CVI, or analog CCTV cameras. NTSC and PAL video standards are supported.
- Brightness, contrast, saturation and hue can be adjusted for each camera separately.
- High Definition HDMI and VGA video outputs. 1024x768, 1280x1024, 1440x900, 720P/50/60, 1080P/50/60 resolutions supported.
- Analog CVBS BNC video output (NTSC : 720X480, PAL : 720X576).
- 1 BNC loop output for each input.
- Quad screen, 2ch (left/right), 2ch (UP/DOWN), 3ch, single camera 6ch, 8ch, 9ch and PIP display mode support.
- The output channels of picture-in-picture and 2 channel video mode can be selected.
- High performance video Freeze function.
- Channel auto sequence mode supported. Interval time can be adjusted from 3-99 seconds delay.
- Support Zoom function.
- Video loss alarm function.
- Users can operate device by keys and wireless remote control.

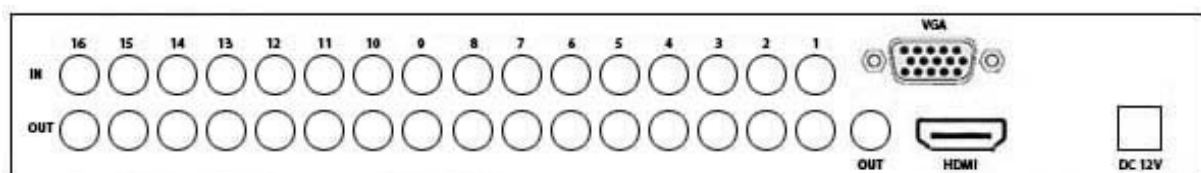
## 3. Multiplexer Front panel



BUTTON press explanation: short button press is less than 1 second. Long press is greater than 1 second.

- "MENU" : short press to enter/exit main menu.
- "FREEZE/AUTO" : short press to enter freeze function, long press to enter auto-sequence function.
- "MODE/ZOOM" : short press to enter mode function, long press to enter zoom function.
- "ENTER" : enter button.
- "▲" : QUAD/UP multi-function button.
- "▼" : 8CH/DOWN multi-function button.
- "◀" : 9CH/LEFT multi-function button.
- "▶" : RIGHT button.
- "1/9" : CH1/CH9 multi-function button.
- "2" : CH2 button.
- "3" : CH3 button.
- "4" : CH4 button.
- "5" : CH5 button.
- "6" : CH6 button.
- "7" : CH7 button.
- "8" : CH8 button.

## 4. Multiplexer Rear panel



- IN - 9 BNC Video Inputs for 9ch model. 16 for 16ch model.
- OUT - 9 BNC Loop Outputs for 9cm model, 16 for 16ch model.
- HDMI – HD HDMI video output.
- VGA – HD VGA video output.
- DC 12V - 12V DC power supply input.

## 5 . FREEZE Function

Press the FREEZE button to freeze the video on the screen. Press again to cancel the freeze function.

## 6 . AUTO-SEQUENCE Function

Press the AUTOSEQ button to enter/exit the auto-sequence mode.

## 7 . MODE Function

Press the mode button to switch the video output mode between PIP, 2CH, 3CH, 4CH, 5CH video display modes.

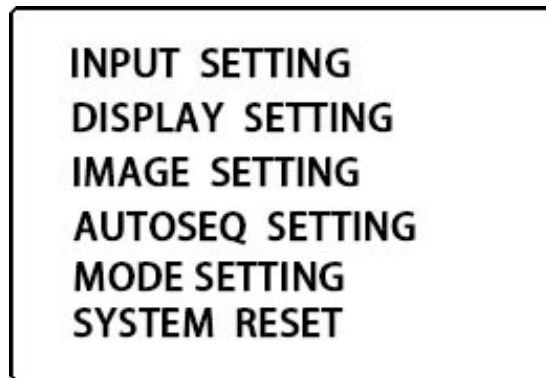
## 8 . ZOOM Function

Press the ZOOM button to enter/exit the digital zoom mode. The red digital zoom frame will be displayed. Move the red frame using the UP/DOWN/LEFT/RIGHT buttons to elect the desired zoom region. Enable/disable the zoom function on the zoom the region using the ENTER button.

**Caution:** you must exit the zoom mode for any other operations.

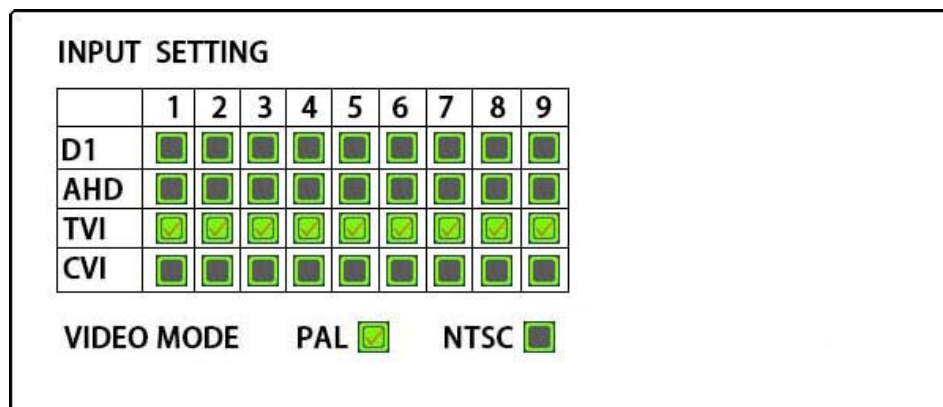
## 9 . MENU Operation

Press the MENU button to show/hide the main menu. The main menu includes the 6 items below. Press the UP/DOWN buttons to select the item, press the ENTER button to enter the item.



### 9.1 INPUT SETTING.

Move to the desired position using the UP/DOWN/LEFT/RIGHT buttons. Select the item using the ENTER button. Press the MENU button to apply the new setting return back to the main menu.

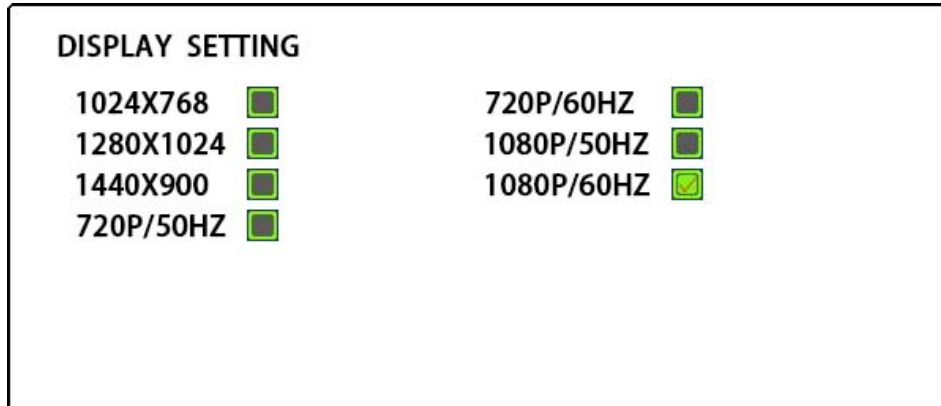


- "D1 (analog CVBS) / AHD / HD-TVI / HDCVI" : The type of input video.

- "PAL / NTSC" : The mode of input video.

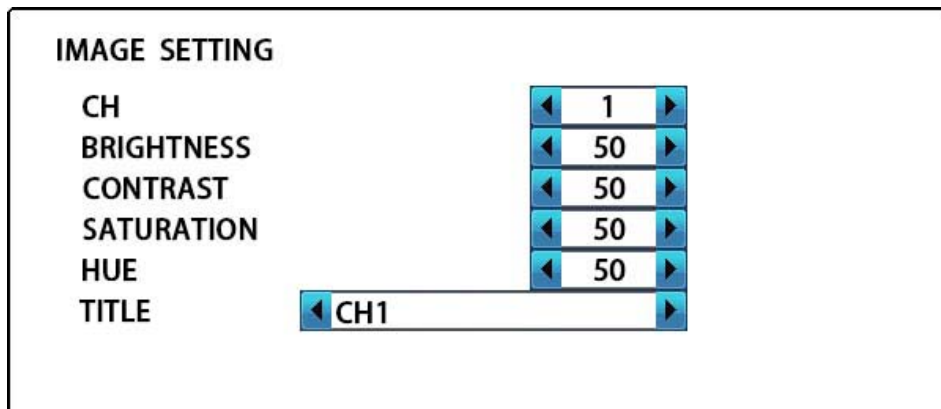
## 9.2 DISPLAY SETTING

Move to the desired position using the UP/DOWN/LEFT/RIGHT buttons. Select the item using the ENTER button, then press the MENU button to apply the new setting and to return back to the main menu.



## 9.3 IMAGE SETTING

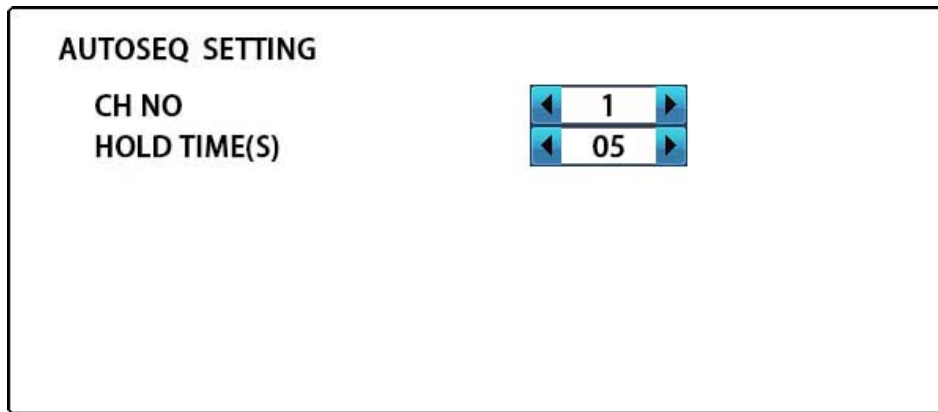
To adjust the image settings for each camera, move to the desired position using the UP/DOWN buttons. Adjust the value using the LEFT/RIGHT buttons. Press the MENU button to return back to the main menu.



- "BRIGHTNESS" : Adjust the brightness of input video(0~99).
- "CONTRAST" : Adjust the contrast of input video(0~99).
- "SATURATION" : Adjust the saturation of input video(0~99).
- "HUE" : Adjust the hue of input video(0~99).
- "TITLE" : Setting the camera label of each video channel. Press the ENTER to enter/exit the function. Adjust the position using the LEFT/RIGHT buttons and adjust the character by the UP/DOWN buttons.  
**Caution:** you must be exit the title mode (blue bar will hide) to perform any other operations.

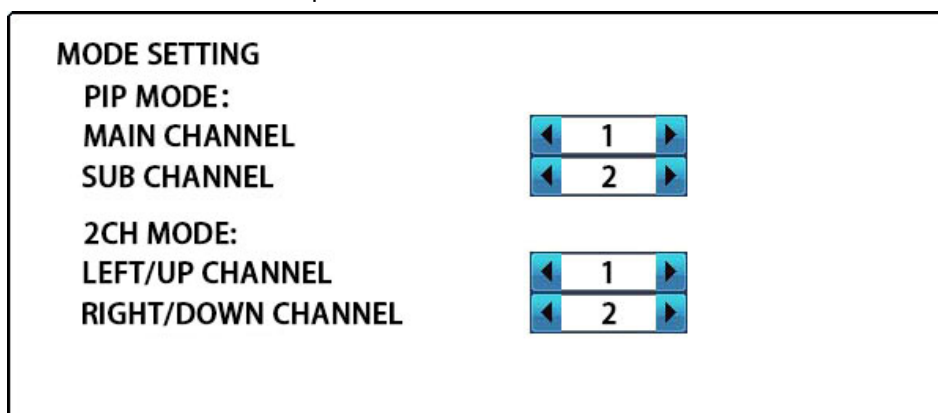
## 9.4 AUTOSEQ SETTING

To configure the auto-sequence settings, move to the desired position using the UP/DOWN buttons. Adjust the value(0~99s) using the LEFT/RIGHT buttons. Press the MENU button to return back to the main menu.



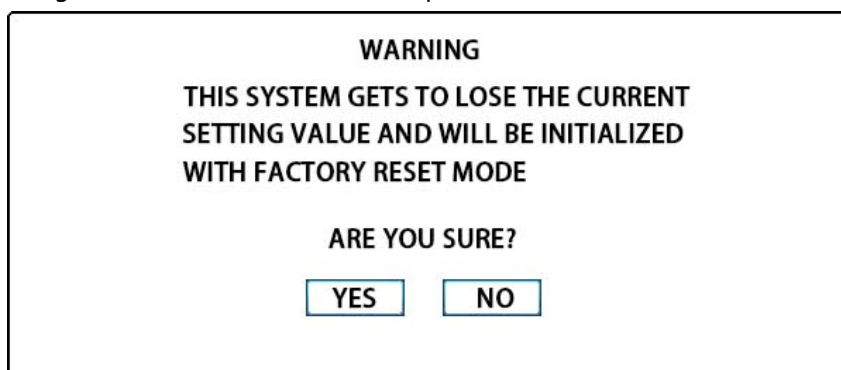
## 9.5 MODE SETTING

You can use the mode settings screen to setup the picture-in-picture (PIP) and 2 channel display modes. Move to the desired position using the UP/DOWN buttons. Adjust the output channel by using the LEFT/RIGHT buttons, then press the MENU button to return back to the main menu.



## 9.6 SYSTEM RESET

System reset is used to set the multiplexer to the factory default settings. Move to the desired position using the LEFT/RIGHT buttons, then press ENTER button.



## 10. Specifications

Model	VM-99509
Video Input	9 channel HD-TVI / AHD / HD-CVI / Analog CCTV (CVBS) D1 960H
Video Output	HDMI / VGA / CVBS
Power Supply	12V/1A
Consumption	<4W
Working Temperature	-10°C~+55°C
Working Humidity	10%~90%
Dimension	420x200x45mm
Weight	2.0kg