

# VM-HD4



## 4ch HD CCTV Multiplexer

Manufactured exclusively for CCTV Camera Pros

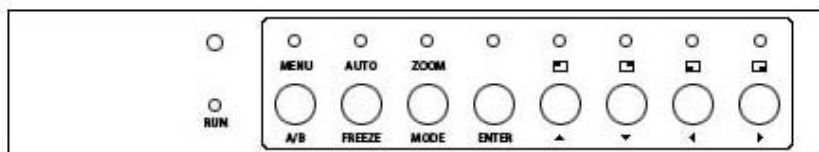
## 1. Introduction

The VM-HD4 is a 4 channel CCTV video multiplexer (quad processor) that works with HD-TVI, HD-CVI, AHD, and Analog CCTV cameras (CVBS). Users can view live video from multiple cameras on a HD TV or monitor at up to 4K resolution via HDMI video output and 1080p resolution via the VGA video output.

## 2. Features

- 4 channel BNC video input. Each BNC accepts HD-TVI, AHD, HD-CVI, and analog CCTV cameras (CVBS) D1, 960H, 720p, 1080p, 2mp, 3mp, 4mp, 5mp, 8mp / 4K supported. PAL and NTSC compatible.
- For each channel, the brightness, contrast, saturation and hue can be adjusted.
- Support 2 channel CVBS output (NTSC : 720X480, PAL : 720X576).
- Support HDMI output selectable at 1024x768, 1280x1024, 1440x900, 720p, 1080p, and 4K resolution.
- Support VGA output selectable at 1024x768, 1280x1024, 1440x900, 720p, and 1080p resolution.
- Support multiple display modes: QUAD, 2CH (LEFT/RIGHT), 2CH(UP/DOWN), 3CH, single camera, PIP.
- The output channel of PIP mode can be selected in the menu.
- High performance FREEZE function.
- Channel auto sequence, the interval time can be adjusted in the menu (3~99 seconds).
- Digital ZOOM function.
- Video loss alarm.
- Users can operate device by keyboard and remote control.

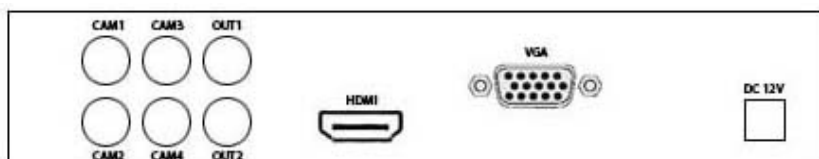
## 3. Front panel



The KEY define : short key <1s , longkey >1s

- "MEUN/A/B" : long press to enter main menu, short press to enter QUAD mode.
- "FRZ/AUTO" : short press to enter freeze function, long press to enter autoseq function.
- "MODE/ZOOM" : short press to enter mode function, long press to enter zoom function.
- "ENTER" : enter button.
- "▲" : 1CH/UP multi-function button.
- "▼" : 2CH/DOWN multi-function button.
- "◀" : 3CH/LEFT multi-function button.
- "▶" : 4CH/RIGHT multi-function button.

## 4. Rear panel



- "CAM1~4" : 1~4CH video input.
- "OUT1~2" : CVBS output.
- "HDMI" : HDMI output.
- "VGA" : VGA output.
- "DC12V" : 12V power input.

## 5 . FREEZE Function

Press the FREEZE button to enter freeze mode. Press again to exit the freeze mode. Show/Hide the FREEZE font on the right top of monitor simultaneously.

## 6 . AUTOSEQ Function

Press the AUTOSEQ button to enter/exit the AUTOSEQ mode, show/hide the AUTOSEQ font on the right top of monitor simultaneously.

## 7 . MODE Function

Press the button to switch the output mode except the QUAD, single channel mode.

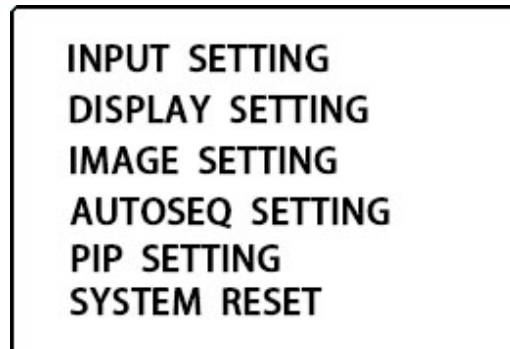
## 8 . ZOOM Function

Press the ZOOM button to enter/exit ZOOM mode, show/hide a red frame simultaneously, move the red frame using the UP/DOWN/LEFT/RIGHT Button to select the desired zoom region, enable/disable the zoom function to zoom the region using the ENTER button.

**Caution:** you must exit the zoom mode for another operation.

## 9 . MENU Operation

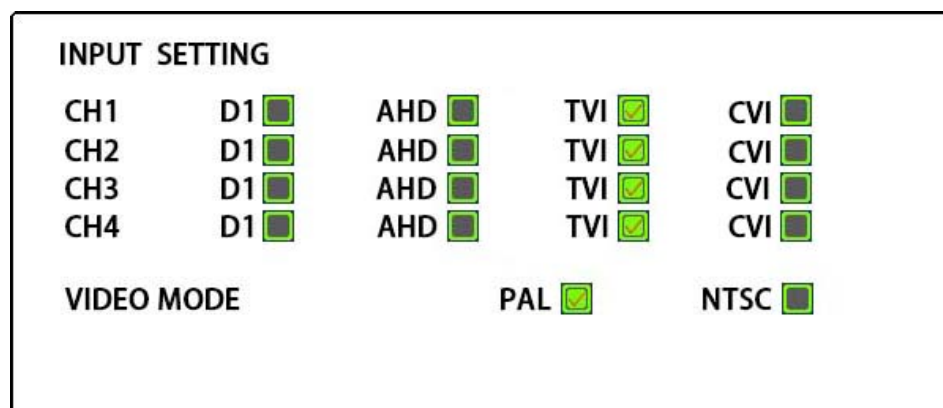
Press the MENU button to show/hide the main menu. The main menu includes 6 items as follow, press the UP/DOWN button to select the item, press the ENTER button to enter the item.



### 9.1 INPUT SETTING.

As follows move to the desired position using the UP/DOWN/LEFT/RIGHT button, select the item using the ENTER button, press the MENU button to apply the new setting and back to the main menu.

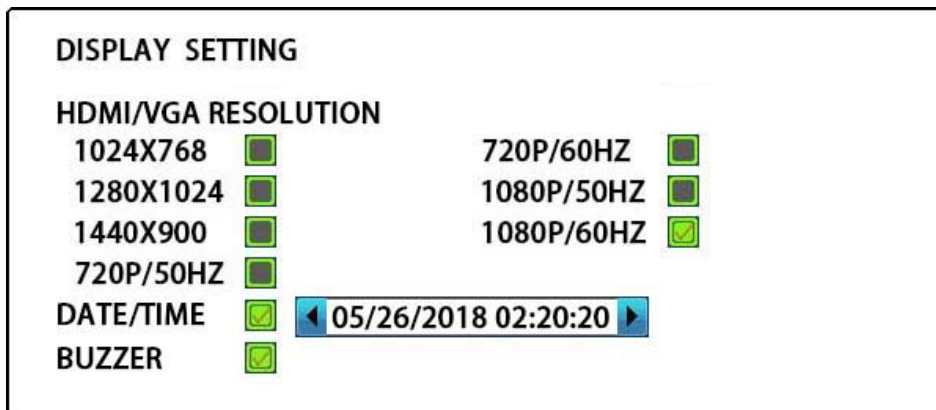
- "D1/AHD/TVI/CVI" : The type of input video.
- "PAL/NTSC" : The mode of input video.



### 9.2 DISPLAY SETTING

As follows, move to the desired position using the UP/DOWN/LEFT/RIGHT button, select the item using the ENTER button, press the MENU button to apply the new setting and back to the main menu.

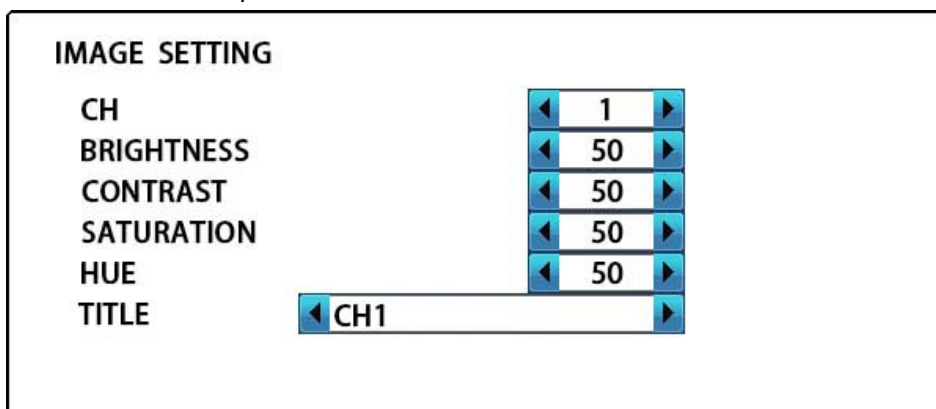
**Update! 4K resolution is also supported now via HDMI output.**



- "DATE/TIME" : Enable/Disable and Setting the date/time of system. press the ENTER to enter/exit the function, adjust the position by the LEFT/RIGHT button and adjust the digit by the UP/DOWN button.
- "BUZZER" : Open/Close the buzzer.

### 9.3 IMAGE SETTING

As follow, move to the desired position using the UP/DOWN button, adjust the value using the LEFT/RIGHT button, press the MENU button to 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 label of video channel, press the ENTER to enter/exit the function, adjust the position by the LEFT/RIGHT button and adjust the character by the UP/DOWN button.

**Caution:** you must be exit the title mode (blue bar will hide) for other operate.

### 9.4 AUTOSEQ SETTING

As follow, move to the desired position using the UP/DOWN button, adjust the value(3~99s) using the LEFT/RIGHT button, press the MENU button to back to the main menu.

AUTOSEQ SETTING	
CH NO	HOLD TIME(S)
CH1	◀ 05 ▶
CH2	◀ 05 ▶
CH3	◀ 05 ▶
CH4	◀ 05 ▶

### 9.5 PIP SETTING

As follow, move to the desired position using the UP/DOWN button, adjust the output channel of main channel and sub channel using the LEFT/RIGHT button, press the MENU button to back to the main menu.

PIP SETTING	
MAIN CHANNEL	◀ 1 ▶
SUB CHANNEL	◀ 2 ▶

### 9.6 SYSTEM RESET

As follow, move to the desired position using the LEFT/RIGHT button, press ENTER button to enter and back to the main menu.

**WARNING**

**THIS SYSTEM GETS TO LOSE THE CURRENT  
SETTING VALUE AND WILL BE INITIALIZED  
WITH FACTORY RESET MODE**

**ARE YOU SURE?**

## 10.Specifications

Model	VM-HD4
Video Input	4CH BNC HD-TVI, AHD, HD-CVI, analog CCTV supported

Video Output	HDMI, VGA, CVBS
Power Supply	12V/1A
Consumption	<4W
Working Temperature	-10°C~+55°C
Working Humidity	10%~90%
Dimension	210x150x40mm

For more information, please visit the product page on our website.

<https://www.cctvcamerapros.com/HD-TVI-AHD-CCTV-Mutliplexer-p/vm-hd4.htm>