



# HDQS4L

**4-in-1 HD Analog Real Time  
Quad/Switcher with Looping**

## **INSTALLATION & INSTRUCTION MANUAL**



Rev.121319

**NOTE**

1. This unit must be located in a position away from water, moisture or other liquids. Avoid placing this unit where it will be subject to vibration or excessive temperatures. This unit does not contain user serviceable parts.
2. To ensure sound operation of this unit, it should be located in an environment where the temperature is between  $+5^{\circ}\text{C} \sim +40^{\circ}\text{C}$  ( $+41^{\circ}\text{F}$  to  $+104^{\circ}\text{F}$ ). Humidity should be less than 90%.
3. The ventilation holes must remain free from obstruction. Failure to comply may result in damage to the appliance.

This equipment has been certified to comply with the limits for a class B digital device, pursuant to subpart J of Part 15 of FCC Rules. Only peripherals certified to comply with the class B limits that may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

**FCC   RoHS**

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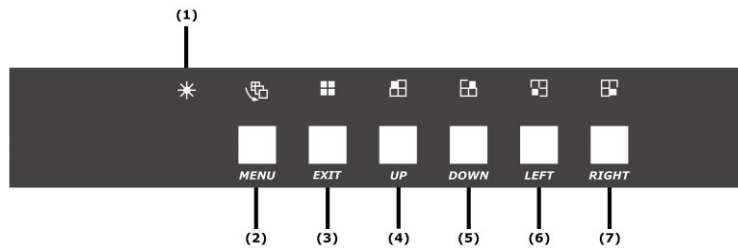
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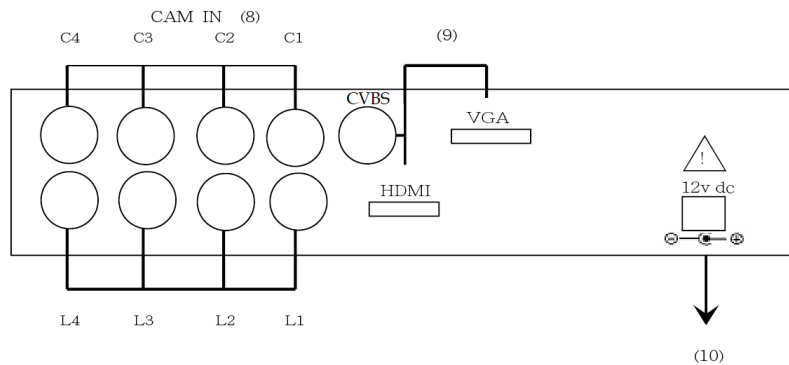
### **■ Specifications**

## Front and Rear Panel Drawings

### Front Control Panel



### Rear Panel



## Description of Front Panel

### 1. POWER INDICATOR:

LED light on indicates power on.

### 2. MENU/AUTO SEQUENTIAL SWITCHING BUTTON:

This button is used for the setup or a change of Time, Date, Title, etc.

- ①. Press and hold this button to enter the menu settings.
- ②. Quickly press this button to go into automatic sequential switching mode.

### 3. QUAD SCREEN/EXIT BUTTON:

- ①. Press this button for a quadrant picture view.
- ②. While in the menu setting, press this button to exit the setup menu.

### 4. CAMERA 1 FULL SCREEN/CURSOR MOVING BUTTON:

- ①. Press this button for camera 1 full screen view.
- ②. While in the menu setting, press this button to move the cursor.

### 5. CAMERA 2 FULL SCREEN/CURSOR MOVING BUTTON:

- ①. Press this button for camera 2 full screen view.
- ②. While in the menu setting, press this button to move the cursor.

### 6. CAMERA 3 FULL SCREEN/CURSOR MOVING BUTTON:

- ①. Press this button for camera 3 full screen view.
- ②. While in the menu setting, press this button that can set up the functions.

### 7. CAMERA 4 FULL SCREEN/CURSOR MOVING BUTTON:

- ①. Press this button for camera 4 full screen view.
- ②. While in the menu setting, press this button that can set up the functions.

## **Description of Rear Panel**

### **8.CAMERA INPUT TERMINALS:**

Up to 4 cameras can be connected to these terminals.

### **9. MONITOR OUTPUT TERMINAL:**

Connect this jack to the monitor for live surveillance. 1 x HDMI jack, 1 x VGA jack 1 x CVBS jack.

### **10. POWER JACK:**

Use DC 12V, 500 mA adapter input. (AC power adapter included)

### **11. LOOPING CAMERA OUTPUTS**

These connectors are used for extending the camera inputs to other accessories.

## **How to Operate and Program**

### **A. MONITORING FUNCTIONS:**

1. After plugged in the monitor displays as below.

01/00/00	08 : 00 : 00
CH1	CH2
CH3	CH4

2. Full Screen Button: Press any one of the UP 、DOWN 、LEFT 、RIGHT buttons in the front panel, that the corresponding camera is selected for a full screen view.
3. Quad Screen Button: Press the EXIT button for a quadrant picture view.
4. Automatic Sequential Switching Button: Slightly press the MENU button it will enter automatic sequential switching mode.

### **B. THE SETUP MENU :**

Press the MENU button for more than 3 second, the system setup menu will appear on the screen as below.

- |  |
|--|
| <ol style="list-style-type: none"><li>1. CAMERA TITLE</li><li>2. TIME / DATE</li><li>3. PICTURE ADJUST</li><li>4. DISPLAY MODE</li><li>5. AUTO ADJUST</li><li>6. VIDEO SIGNAL</li><li>7. OUTPUT MODE</li></ol> |
|--|

#### **1. CAMERA TITLE :**

Move to the CAMERA TITLE location, then press the MENU button, a screen will appear as below.

CH1: CH1

CH2: CH2

CH3: CH3

CH4: CH4

By using the UP, DOWN button to move to the channel that want to make a change or setup for the camera title, then press the MENU Button, a screen will appear as below.

CH1 : CH1

CH2 : 1 2 3 4 5 6 7 8 9 0 Backspace

CH3 : q w e r t y u i o p [ ] \

CH4 : a s d f g h j k l ; ' Enter

Shift z x c v b n m , . / `

ESC Blankspace - =

Press the UP, DOWN, LEFT and RIGHT buttons to move to the location of the characters where is needed to do a change.

Please note that it is necessary to press the MENU button to confirm while make a change for every single character.

“Backspace”: Delete forward.

“Shift”: Alter capital and small letter.

“Esc”: Exit.

“Blank space”: Space key.

“Enter”: Confirm for a word after the camera title is completed.

## 2. TIME / DATE:

Move to the TIME/DATE location, then press the MENU button, a screen will appear as below.

SYSTEM SETUP

1. CAMERA TITLE                      TIME: 2018 / 01 / 01    00 :00 : 00

2. TIME / DATE

3. PICTURE ADJUST

4. DISPLAY MODE

5. AUTO ADJUST

6. VIDEO SIGNAL

7. OUTPUT MODE

Use the LEFT, RIGHT buttons to move to the location where would like to be changed, then press the UP, DOWN buttons to change the digits. Eventually press the EXIT button to end the Time and Date setting.

## 3. PICTURE ADJUST :

Move to the PICTURE ADJUST location, then press the MENU button, a screen will appear as below.

CHANNEL    01

CONTRAST   50

BRIGHT     50

CHROMA    50

TINT        50

Channel – Move to the CHN location and press the MENU button, then use the LEFT and RIGHT buttons to select the channel.

Contrast – Use the UP and DOWN buttons to move to the CON location and press the MENU button, then use the LEFT and RIGHT

buttons to alter figures.

Bright, Chroma and Tint – The method of alteration is same as contrast setting.

#### **4. DISPLAY MODE :**

Move to the DISPLAY MODE location, then press the MENU button, a screen will appear as below.

TIME/DATE	: ON
CHANNEL NAME	: ON
BOUNDARY	: ON

Press the UP and DOWN buttons to move to the selected item for setting and use the LEFT and RIGHT buttons to alter the contents.

Press the EXIT button that will end the setting.

#### **5. AUTO ADJUST :**

Move to the DISPLAY MODE location, then press the MENU button, a screen will appear as below.

AUTO DWELL TIME:05	
CH1	: ON
CH2	: ON
CH3	: ON
CH4	: ON
QUAD	: ON

Press the UP and DOWN buttons to move to the selected item for setting and use the LEFT and RIGHT buttons to alter the contents.

Press the EXIT button that will end the setting.

#### **6. VIDEO SIGNAL:**

This setup is used for matching with the video signal inputs. There are Auto, AHD, CVI, TVI and CVBS that can be selected.

#### **7. OUTPUT MODE:**

Move to the OUTPUT MODE location, then press the MENU button that will enter the resolution list as below.

800 X 600

1024 X 768

1280 X 1024

1400 X 900

1920 X 1080

Use the UP and DOWN buttons to move to the selected item and press the MENU button to confirm.

■ To end the setup MENU, just press the EXIT button.

### **SPECIFICATIONS**

Specification	HDQS4L
Video Format	TVI, CVI, AHD & 960H Compatible
Camera Inputs	BNC x 4, 1.0V p-p, 75 ohms
Camera Output	BNC x 4, 1.0V p-p, 75 ohms
Video Output	HDMI & VGA (1080p Max) / CVBS (640x480)
Simultaneous Output	Yes - Mirrored (HDMI, VGA, BNC)
Camera Adjustment	Independent Contrast, Brightness, Chroma & Tint Controls
Full Screen Viewing	Yes - 1 Button Easy Full Screen Viewing
Video Signal	NTSC/PAL Switchable
Certifications	FCC, ROHS
Power Supply	12 Volt DC, Included
Power Requirement	Max 5 Watts / 420mA
Weight	1.6lb
Dimensions	8.6" x 5.5" x 2" (W x D x H)
Weatherproof Rating	Indoor Only