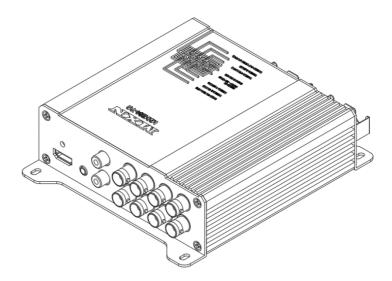
**OWNER'S MANUAL** PLEASE READ CAREFULLY BEFORE USING THE PRODUCT.

# HD MULTI-PURPOSE CAMERA CONTROL BOX



# Model: MXN204-TVI

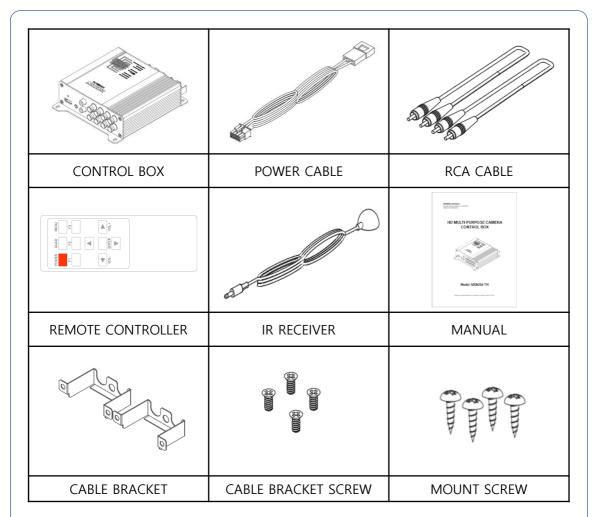
Design and specifications are subject to change without notice.

# 

I

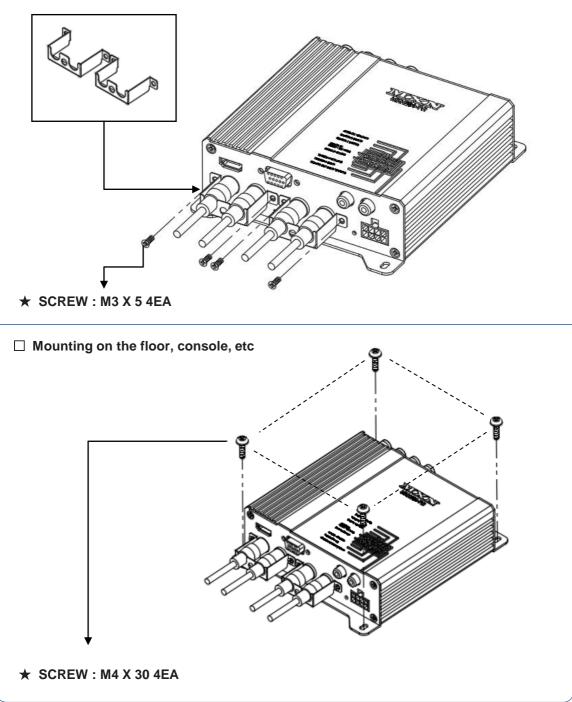
	PACKAGE CONTENTS	03
OPERATION    07 - 19      REMOTE CONTROLLER    07      MENU    08      FUNCTION    09      PICTURE    10      NORMAL/MIRROR    10      AUDIO    11      TRIGGER AUDIO    11      CAMERA TRIGGER    12      DISTANCE MARKER    12      DISTANCE MARKER ADJUSTMENT    13      AUTO PICTURE SCAN    14      CAMERA NAME    14      SPEED SWITCH    15      SPLIT CONFIGURATION    16      TRIPLE CONFIGURATION    17      QUAD CONFIGURATION    18      MANUAL SELECTION    18      MENU LOCK ON/OFF FUNCTION    19      SCAN ON/OFF FUNCTION    19	INSTALLATION	04
REMOTE CONTROLLER  07    MENU  08    FUNCTION  09    PICTURE  10    NORMAL/MIRROR  10    AUDIO  11    TRIGGER AUDIO  11    CAMERA TRIGGER  12    DISTANCE MARKER  12    DISTANCE MARKER ADJUSTMENT  13    AUTO PICTURE SCAN  14    CAMERA NAME  14    SPEED SWITCH  15    SPLIT CONFIGURATION  16    TRIPLE CONFIGURATION  17    QUAD CONFIGURATION  18    MANUAL SELECTION  18    MENU LOCK ON/OFF FUNCTION  19    SCAN ON/OFF FUNCTION  19	CONNECTION	05 - 06
MENU  08    FUNCTION  09    PICTURE  10    NORMAL/MIRROR  10    AUDIO  11    TRIGGER AUDIO  11    CAMERA TRIGGER  12    DISTANCE MARKER  12    DISTANCE MARKER ADJUSTMENT  13    AUTO PICTURE SCAN  14    CAMERA NAME  14    SPEED SWITCH  15    SPLIT CONFIGURATION  16    TRIPLE CONFIGURATION  17    QUAD CONFIGURATION  18    MANUAL SELECTION  18    MENU LOCK ON/OFF FUNCTION  19    SCAN ON/OFF FUNCTION  19    SPECIFICATIONS  20	OPERATION	07 - 19
FUNCTION  09    PICTURE  10    NORMAL/MIRROR  10    AUDIO  11    TRIGGER AUDIO  11    CAMERA TRIGGER  12    DISTANCE MARKER  12    DISTANCE MARKER ADJUSTMENT  13    AUTO PICTURE SCAN  14    CAMERA NAME  14    SPEED SWITCH  15    SPLIT CONFIGURATION  16    TRIPLE CONFIGURATION  17    QUAD CONFIGURATION  18    MANUAL SELECTION  18    MENU LOCK ON/OFF FUNCTION  19    SCAN ON/OFF FUNCTION  19    SPECIFICATIONS  20	REMOTE CONTROLLER	07
PICTURE10NORMAL/MIRROR10AUDIO11TRIGGER AUDIO11CAMERA TRIGGER12DISTANCE MARKER12DISTANCE MARKER ADJUSTMENT13AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	MENU	08
NORMAL/MIRROR10AUDIO11TRIGGER AUDIO11CAMERA TRIGGER12DISTANCE MARKER12DISTANCE MARKER ADJUSTMENT13AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	FUNCTION	09
AUDIO11TRIGGER AUDIO11CAMERA TRIGGER12DISTANCE MARKER12DISTANCE MARKER ADJUSTMENT13AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	PICTURE	10
TRIGGER AUDIO11CAMERA TRIGGER12DISTANCE MARKER12DISTANCE MARKER ADJUSTMENT13AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SPECIFICATIONS20	NORMAL/MIRROR	10
CAMERA TRIGGER12DISTANCE MARKER12DISTANCE MARKER ADJUSTMENT13AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	AUDIO	11
DISTANCE MARKER12DISTANCE MARKER ADJUSTMENT13AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	TRIGGER AUDIO	11
DISTANCE MARKER ADJUSTMENT13AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	CAMERA TRIGGER	12
AUTO PICTURE SCAN14CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	DISTANCE MARKER	12
CAMERA NAME14SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	DISTANCE MARKER ADJUSTMENT	13
SPEED SWITCH15SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	AUTO PICTURE SCAN	14
SPLIT CONFIGURATION16TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	CAMERA NAME	14
TRIPLE CONFIGURATION17QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	SPEED SWITCH	15
QUAD CONFIGURATION18MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	SPLIT CONFIGURATION	16
MANUAL SELECTION18MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	TRIPLE CONFIGURATION	17
MENU LOCK ON/OFF FUNCTION19SCAN ON/OFF FUNCTION19SPECIFICATIONS20	QUAD CONFIGURATION	18
SCAN ON/OFF FUNCTION    19      SPECIFICATIONS    20	MANUAL SELECTION	18
SPECIFICATIONS 20	MENU LOCK ON/OFF FUNCTION	19
	SCAN ON/OFF FUNCTION	19
COMMENTS 21	SPECIFICATIONS	20
	COMMENTS	21

# PACKAGE CONTENTS

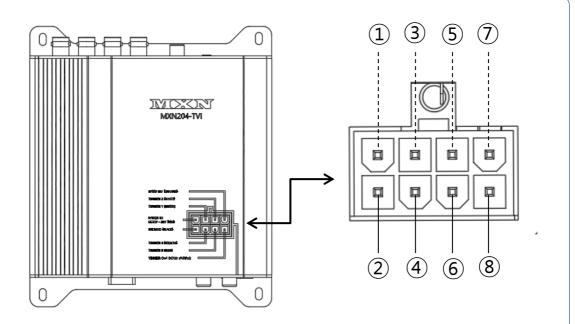


CONTROL BOX	1
POWER CABLE	1
RCA CABLE	1
REMOTE CONTROLLER	1
IR RECEIVER	1
MANUAL	1
CABLE BRACKET	2
CABLE BRACKET SCREW ( FH M3X5 )	4
MOUNT SCREW ( PH M4X30 STAINLESS)	4

- Bracket Cable
  - : Fix the bracket jack with provided screw after connecting the cameras



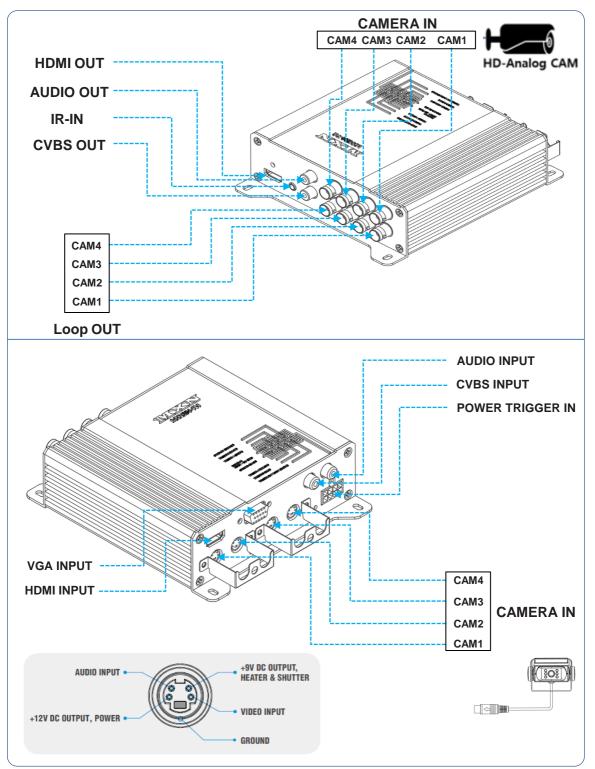
# **CONNECTION**



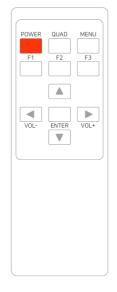
Power & Trigger wire connection

No.	WIRE COLOR	DESCRIPTION
1	RED	Power IN DC 10V ~32V
2	BLACK	Ground
3	GREEN	Trigger 1 IN ( Power IN DC 10V ~32V )
4	YELLOW	Trigger 4 IN ( Power IN DC 10V ~32V )
5	WHITE	Trigger 2 IN ( Power IN DC 10V ~32V )
6	BLUE	Trigger 3 IN ( Power IN DC 10V ~32V )
7	ORANGE	Speed Switch
8	PURPLE	Trigger Out DC12V (Max. 500mA)

# **CONNECTION**



## **Remote Controller**



## ① POWER button

Press POWER button to turn the control box on or off.

When a trigger signal is activated, the control box does not Respond at the remote control's signal.

(Please refer to TRIGGER MODE in MAIN MENU for further information)  $\label{eq:main}$ 

Status of RED LED in IR Receiver

STANDBY : LED ON POWER ON : LED OFF IR SIGNAL : LED BLINK

② MENU button Press MENU button for control box setting

③ QUAD button Press QUAD button to display SPLIT4 of CAMERA input or BNC input

## ④ UP/DOWN button

Press UP/DOWN button for moving MENU

## (5) LEFT(VOL-)/RIGHT(VOL+) button

Press LEFT/RIGHT button to change MENU when MENU is on Press LEFT/RIGHT button to control volume up and down when MENU is off

## ⑥ ENTER button

Press ENTER button to select MENU when MENU is on

Press ENTER button to change display mode as below sequence when MENU is off CH1  $\rightarrow$  CH2  $\rightarrow$  CH3  $\rightarrow$  CH4  $\rightarrow$  SPLIT1  $\rightarrow$  SPLIT2  $\rightarrow$  TRIPLE  $\rightarrow$  QUAD  $\rightarrow$  CH1...

⑦ F1 button

Press F1 button to select HDMI input

8 F2 button

Press F2 button to select VGA input

9 F3 button

Press F3 button to select RCA input

FUNCTION PICTURE NORMAL/MIRROR AUDIO TRIGGER AUDIO CAMERA TRIGGER DISTANCE MARKER AUTO PICTURE SCAN CAMERA NAME SPEED SWITCH SPLIT TRIPLE QUAD MANUAL SELECTION

### **MENU TREE**

Change the setting value by pressing the MENU button.

### FUNCTION

Set functions on the monitor.

### PICTURE

Set the color and brightness on the monitor.

#### NORMAL/MIRROR Input video can be reversed

AUDIO

Set the audio ON/OFF.

### TRIGGER AUDIO

Set the audio ON/OFF when entering the TRIGGER signal.

### CAMERA TRIGGER

When entering the TRIGGER signal, the screen output.

### DISTANCE MARKER

DISTANCE MARKER can be set according to the TRIGGER signal input.

#### AUTO PICTURE SCAN Set the automatic sequence switching time.

CAMERA NAME

### Set the camera name.

### SPEED SWITCH

By receiving TACHO signal, you can set the operation at the corresponding frequency.

#### SPLIT

Display the camera video at the set position on the SPLIT screen.

### TRIPLE

Display the camera video at the set position on the TRIPLE screen.

#### QUAD

Display the camera image on the QUAD screen at the set position.

### MANUAL SELECTION

When the SELECTION button is pressed, the output screen is set.

### **FUNCTION**

### LANGUAGE

Provide 6 Multi-lingual OSD [ENGLISH, SWEDISH, DANISH, NORWEGIAN, DUTCH, FINNISH]. Select the preferred LANGUAGE.

### SYSTEM

Select AUTO/TVI/AHD/NTSC/PAL

### VIDEO OUT

Select NTSC/PAL for video output format

### **CAMERA INPUT**

Select DIN-4P/BNC for camera input

### DEINTERLACE

Select the DEINTERLACE function for NTSC/PAL video input signals

### **AUTO POWER**

Select monitor activation functions as below. [AUTO] The Control box remembers the last settings from its memory. [ON] The Control box is turned on with the "Power-ON\_ mode automatically. [OFF] The Control box is turned on with the "Stand-By, mode automatically.

### RESET

Press ">>" button to enter the factory default settings.

### SYSTEM INFO

Refers to the system information of the monitor.



NOTE • VIDEO OUT

- It is recommended to set VIDEO OUT to PAL when using the camera with PAL or 1080P25
- It is recommended to set VIDEO OUT to NTSC when using NTSC or 1080P30.
- Deinterlace ON: No shaky video
- Afterimages and cracked images occur when the object is moving (EVEN/ODD deviation, see the attached image)
- Aliasing is seen on a small split screen due to down scale
- Not available when the MIRROR function is ON (only possible when deinterlace is OFF)
- · Deinterlace OFF: Shaky video visible
- No afterimages and cracked images are visible when the object is moving
- Image quality deterioration occurs due to the use of line doubling in large size division
- No cascading effect on small split screens



CONTRAST BRIGHTNESS COLOR TINT	50 50 50 50	

### **PICTURE MENU**

Press [LEFT/RIGHT] button to adjust the PICTURE of the monitor. PICTURE MENU is for the settings of PICTURE from CAM1, CAM2, CAM3, CAM4, SPLIT1, SPLIT2, TRIPLE, QUAD mode.

CAM1 CAM2 CAM3 CAM4	NORMAL NORMAL NORMAL NORMAL

## NORMAL/MIRROR

Each camera (CAM1/CAM2/CAM3/CAM4) can be switched between NORMAL& MIRROR image.

CAM1 AUDIO CAM2 AUDIO CAM3 AUDIO CAM4 AUDIO SPLIT TRIPLE QUAD	ON ON ON ON ON ON

## AUDIO

Audio ACTIVATED Mode in normal mode. When the mode is [ON], audio will be on (activated) When the mode is [OFF], audio will be off (mute).

TRIG1 AUDIO TRIG2 AUDIO TRIG3 AUDIO TRIG4 AUDIO SP SW AUDIO	ENTER ENTER ENTER ENTER ENTER	
		TRIG1 AUDIO VOLUME

## **TRIGGER AUDIO**

Audio ACTIVATED Mode in Trigger mode.

Choose the trigger and then press [ENTER].

The Audio settings menu will be shown as below.

When the mode is [ON], audio will be on(activated).

When the mode is [OFF], audio will be off (mute).

ON 10

The user can adjust the volume.

TRIGGER1 TRIGGER2 TRIGGER3 TRIGGER4 TRIG1. DEI TRIG2. DEI TRIG2. DEI TRIG3. DEI TRIG4. DEI	LAY LAY	CAM1 CAM2 CAM3 CAM4 2 2 2 2 2 2	

## CAMERA TRIGGER

### TRIGGER 1/2/3/4 (Trigger source selection)

Select the required trigger source at CAM1/CAM2/CAM3/CAM4/SPLIT1/ SPLIT2/TRIPLE / QUAD

### REMARK

TRIGGER PRIORITY: TRIGGER 1 > TRIGGER 2 > TRIGGER 3 > TRIGGER 4

### TRIG. DELAY

When a TRIGGER wire is connected to a pulse DC power signal (e.g.direction indicator lights) then the [TRIGGER DELAY] function avoids repeating ON/OFF of the monitor.

TRIGGER1 TRIGGER2 TRIGGER3 TRIGGER4 MARKER	ON OFF OFF OFF

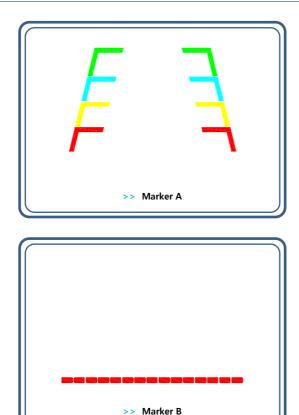
## DISTANCE MARKER

Select ON to have DISTANCE MARKER for CAM1, CAM2, CAM3, CAM4.

DISTANCE MARKER is displayed as the trigger signal is activated

### MARKER

Select of DISTANCE MARKER. X or \_\_\_\_\_



## DISTANCE MARKER ADJUSTMENT

Users can make adjustments by pressing the SELECT button in the menu. (It is not available on the split mode screen)

### Marker A- Parking line

The left/right/both markers will be selected in order each time you press the SELECT button. When the marker is red it can be adjusted UP/DOWN or LEFT/RIGHT.

When both distance markers are RED, you can adjust both markers LEFT/RIGHT/UP/DOWN. When the left distance marker is RED, the left marker can be adjusted LEFT/RIGHT. When the right distance marker is RED, the right marker can be adjusted LEFT/RIGHT.

### Marker B- Horizontal line

Users can adjust the line UP/DOWN. Users can adjust the horizontal line by pressing [UP/DOWN] buttons.

## AUTO PICTURE SCAN

Each scanning time of CAM1/CAM2/CAM3 /CAM4/SPLIT1/SPLIT2/TRIPLE/QUAD can be managed.

### REMARK

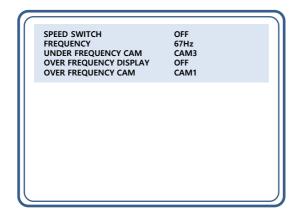
If the SCAN TIME is set as[0], monitor skips its channel during scanning.

Press [UP] button for 4 seconds to ACTIVATE / INACTIVATE auto scanning function.

CAMERA NAME DISPLAY CAM1 NAME CAM2 NAME	ON CAM1 CAM2	
CAM3 NAME CAM4 NAME	CAM3 CAM4	

## **CAMERA NAME**

CAMERA NAME can be selected as CAM1, 2, 3, 4/REAR/LEFT/RIGHT/FRONT.



## SPEED SWITCH

The orange wire needs to be connected with the vehicle's tacho signal and via MENU the SPEED SWITCH needs to be selected ON. At FREQUENCY 67Hz setting(and the most common used tacho signal) the selected camera will be displayed during a speed of 0~33km/h. Select the concerning camera via <sup>°</sup>UNDER FREQUENCY CAM<sub>⊥</sub> (At a different type of tacho signals the FREQUENCY needs to be adjusted higher or lower than the example)

Over 33km/h(72Hz) the selected camera will be switched OFF automatically. When the speed slows down, then the selected camera will be switched ON automatically again at 30km/h. Instead of automatic switch OFF at a speed over 33km/h it is also possible to activate another video source, such as a navigation picture from an optional navigation computer. In this case user needs to select "OVER FREQUENCY DISPLAY: ON\_ and user needs to select "OVER FREQUENCY CAM\_

In case of TRIGGER activation with the  $\space{thm:spac$ 

## SPLIT CONFIGURATION

	SPLIT 1	SPLIT 2
SPLIT1  SOURCE1  CAM1    SPLIT1  SOURCE2  CAM2    SPLIT2  SOURCE1  CAM3    SPLIT2  SOURCE2  CAM4    AUDIO  CAM1    MODE	<b>S1 S2</b>	<b>S1 S2</b>
SPLITI CROP OFF SPLIT2 CROP OFF SPLIT2 CROP OFF	<u>S1</u> <u>S2</u>	<u>S1</u> <u>S2</u>
SOURCE 1  Select S1 Camera(CAM1~CAM4).    SOURCE 2  Select S2 Camera(CAM1~CAM4).    SOURCE 3  Select S3 Camera(CAM1~CAM4).    SOURCE 4  Select S4 Camera(CAM1~CAM4).    AUDIO  Select SPLIT of Audio(CAM1~CAM4).    SOURCE 4  Select SPLIT of Audio(CAM1~CAM4).    SUBOE  Select SPLIT of Audio(CAM1~CAM4).    SUBOE  Select SPLIT MODE    SPLIT1  CROP  Select Scale or None Scaled Display    SPLIT2  CROP  Select Scale or None Scaled Display	52 51	52 51
	S1	S1 S2
SPLIT2 CROP Select Scale or None Scaled Display	S1 S2	<b>S1</b> <b>S2</b>
	<b>S2</b> <b>S1</b>	<b>52</b> 51

- To use CROP mode, turn on in the menu and press the ENTER (SELECT) button to display a red border on the video of the channel to be adjusted.

\* You can enter the adjustment mode only in the CROP mode.

- Press the ENTER (SELECT) button to select the channel (SOURCE1,2) to be adjusted.

### Horizontal SPLIT CROP

- Adjust by moving the screen to be displayed in the selected channel using the left/right keys.







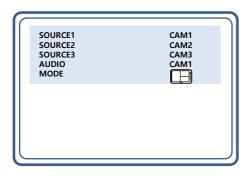
### Vertical SPLIT CROP

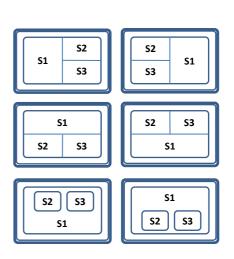
- Adjust by moving the screen to be displayed using the Up/Down keys in the selected channel.





## **TRIPLE CONFIGURATION**





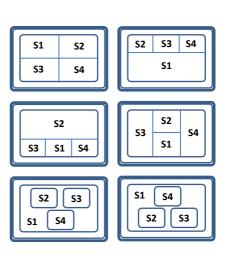
## **TRIPLE configuration:**

- SOURCE 1 Select S1 Camera(CAM1~CAM4).
- SOURCE 2 Select S2 Camera(CAM1~CAM4).
- SOURCE 3 Select S3 Camera (CAM1~CAM4).
- AUDIO Select TRIPLE of Audio(CAM1~CAM4).
- MODE Select TRIPLE MODE



## **QUAD CONFIGURATION & MANUAL SELECTION**

SOURCE1 SOURCE2 SOURCE3 SOURCE4 AUDIO MODE	CAM1 CAM2 CAM3 CAM4 CAM1	



## **QUAD configuration:**

SOURCE 1	Select S1 Camera(CAM1~CAM4).
SOURCE 2	Select S2 Camera(CAM1~CAM4).
SOURCE 3	Select S3 Camera(CAM1~CAM4).
SOURCE 4	Select S4 Camera(CAM1~CAM4).
AUDIO	Select QUAD of Audio(CAM1~CAM4).
MODE	Select QUAD MODE

CAM1	0N
CAM2	0N
CAM3	0N
CAM4	0N
SPLIT1	0N
SPLIT2	0N
TRIPLE	0N
QUAD	0N

### MANUAL SELECTION

When you manually press the channel select button, only the camera selected ON and the display mode selected ON are displayed.

Manually pressing the channel select button skips the camera selected OFF and display mode selected OFF.



NOTE Triggers neglect the MANUAL SELECTION settings. In case of Trigger activation, these ON/ OFF settings will be ignored.

### MENU LOCK ON/OFF FUNCTION

### LOCK ON/OFF FUNCTION

The setup menu can be locked to ban any unauthorized users.

#### LOCK ON mode

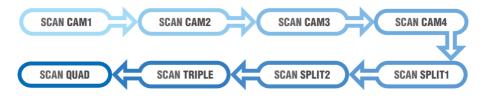
At the Power-ON mode, press the [DOWN] button for 10 seconds to activate the LOCK ON function. When [LOCKED] is displayed on the screen, the user can use only [POWER, SELECT, VOLUME] buttons and the user can edit settings for the PICTURE menu.

#### LOCK OFF mode

At the Power-ON mode, press [DOWN] button for 10 seconds to activate the LOCK OFF function. When [UNLOCKED] is displayed on the screen, the user can use all the functions of the setup menu.

### SCAN ON/OFF FUNCTION

At the Power-ON mode, press the [UP] button for 4 seconds to activate the Auto Scan Picture function. During the Auto Scan Mode, press the [UP] button for 4 seconds to deactivate Auto Scan Picture function.



## MODEL : MXN204-TVI

Power Input	DC 10V~32V
Power Consumption	Max. 30Watt
Video System	HD-TVI (25fps, 30fps, 50fps, 60fps), AHD (25fps, 30fps) CVBS-PAL, CVBS-NTSC
Camera Input (4-pin mini DIN)	4CH, Composite Video $1Vp$ -p $75\Omega$ (MXN configuration)
Video Input (BNC)	4CH, Composite Video 1Vp-p 75Ω
A/V Input (HDMI)	1CH, Up to 2160p 50/60
A/V Input (RCA)	1CH, Composite Video 1Vp-p 75Ω 1CH, Audio, 150mV RMS 47K
Video Input (D-Sub)	1CH, VGA, R/G/B Video 0.7Vp-p, H/V Sync, I <sup>2</sup> C
A/V Output (HDMI)	1CH, HDMI 1.3, 1080p 50/60
Video Output (BNC)	4CH, Loop out, Composite Video 1Vp-p 75Ω
A/V Output (RCA)	1CH, Composite Video 1Vp-p 75Ω 1CH, Audio, 150mV RMS 47K
Operating Temperature	-25℃ ~ +75 ℃
Storage Temperature	-30°C ~ +85 ℃
Ambient Condition	Indoor use only
Vibration	5.5G
Dimension	162 (W) X 43 (H) X 140 (D) mm
Weight	700g
Supplied Accessory	Power cable (1) RCA cable (1) Remote Controller (1) IR Receiver (1) Cable bracket (2) Screw kits (1) Manual (1)

# COMMENTS

## 1. BNC Output(Loop out)

- 1) In case you connect MXN TVI cameras to the 4-pin mini-DIN inputs, then the BNC Video output signal (loop out) is TVI 1080P/30fps.
- In this case, if you use a CVBS monitor, then you can not see the camera picture from BNC Video out, because CVBS monitors are not compatible with the TVI signal.
- 3) In case you use a (MXN) TVI monitor, then you can see the camera picture via the BNC Video out.
- 4) In case you connect (MXN) CVBS camera models to the 4-pin mini-DIN inputs, then a CVBS monitor can be connected to the BNC Video output. (loop out)

## 2. Camera Input

- 1) Select DIN-4P or BNC for camera input
- 2) In case you connect cameras via the BNC input, then "CAMERA INPUT" needs to be selected as "BNC" and in this case BNC's input cameras' video signal will be looped out via BNC output.
- In case "CAMERA INPUT" is selected as "DIN-4P", then the 4-pin mini-DIN input camera's video signal will be looped out via BNC output.

## 3. HDMI Output

You can see camera pictures from the "CVBS output" and from the "HDMI output (connected via PC monitor's HDMI input) at the same moment.