

OWNER'S MANUAL

PLEASE READ CAREFULLY BEFORE
USING THIS PRODUCT.

MXN[®]

7" DIGITAL SPLITSCREEN TFT LCD ALL ROUND VISION MONITOR



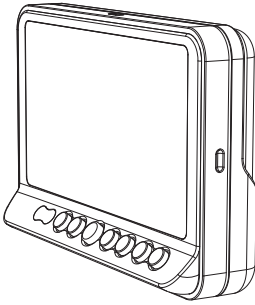
Model: MXN-P7DQ

Design and specifications are subject to change without notice.

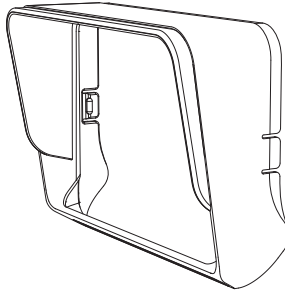
• I • N • D • E • X •

Package Contents	03
Operation	04
System Setting	05
Function	05
Picture	06
AUX Picture	06
Normal/Mirror	06
Camera Trigger	07
Distance Marker	07
Auto Picture Scan	08
Camera Name	08
Speed Switch	09
Menu	10
Split	10
Triple	10
Quad	11
Distance Marker Adjust	12
Lock On/Off Function	13
Scan On/Off Function	13
Installation	14
Connection	16
Specification	17

PACKAGE CONTENTS



MONITOR



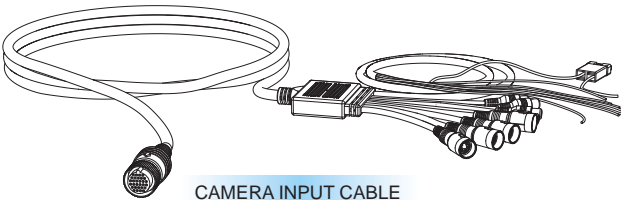
SUNVISOR



MANUAL



STAND BRACKET



CAMERA INPUT CABLE



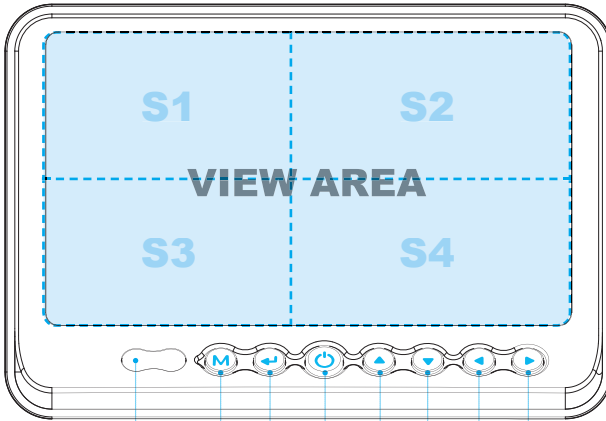
CABLE CLIP



BRACKET SCREWS

ITEM	Q'TY
MONITOR	1
SUNVISOR	1
STAND BRACKET	1
BRACKET SCREW	3
CABLE CLIP	2
CAMERA INPUT CABLE	1
MANUAL	1

■ OPERATION



RIGHT Press [RIGHT] button to adjust monitor volume.
Use [RIGHT] button to change OSD setting during system setting.

LEFT Press [LEFT] button to adjust monitor volume.
Use [LEFT] button to change OSD setting during system setting.

DOWN Press [DOWN] button to navigate the menu for system setting.

UP Press [UP] button to navigate the menu for system setting.

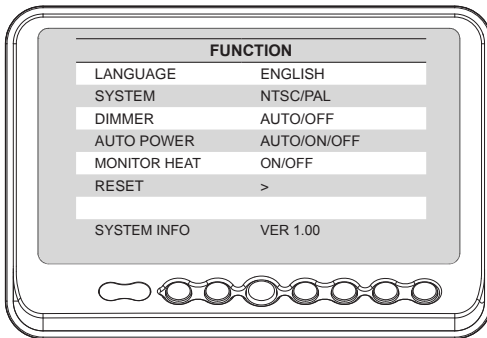
POWER Press [POWER] button to turn on/off the monitor.

SELECT Press [SELECT] button to select the respective camera channel.
(CAM1-CAM2-CAM3-CAM1..)

MENU Press [MENU] button for system setting.

DAY/NIGHT SENSOR (CDS) Automatic brightness control sensor.

SYSTEM SETTING



FUNCTION

LANGUAGE

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

SYSTEM

Select **NTSC/PAL**

DIMMER (Automatic Brightness Control)

Select **AUTO** or **OFF** to have Automatic or Manual brightness of the monitor.



REMARK: By activating **DIMMER AUTO** function, the monitor adjusts the brightness according to the environment.

AUTO POWER

Select monitor activation function as below.

- [**AUTO**] Monitor keeps the last setting in memory.
- [**ON**] Monitor starts up 『**Power-ON**』 mode automatically.
- [**OFF**] Monitor starts up 『**Stand-By**』 mode automatically.

MONITOR HEATER

Select **MONITOR HEATER** 『**ON**』 to have automatic heating function in order to enable fast picture start during extreme cold weather condition.



Remark: During **MONITOR HEATER ON** mode, Heating activates automatically when the temperature of inside monitor is below 0 degree Celcius. When the temperature of inside monitor is over 0 degree Celcius, heating stops automatically.

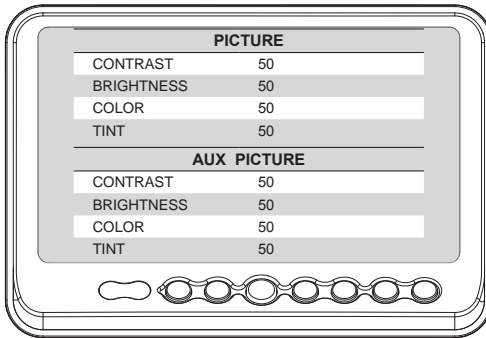
RESET

Press >> button to go the factory default setting.

SYSTEM INFO.

Refers to system information of the monitor.

SYSTEM SETTING



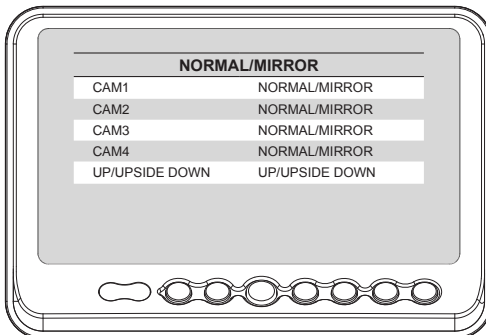
PICTURE

Press [LEFT/RIGHT] button to adjust preferred **PICTURE** of the monitor.

PICTURE MENU adjust **PICTURE** of CAM1, CAM2, CAM3, CAM4, SPLIT, TRIPLE, QUAD MODE

AUX PICTURE MENU adjust **PICTURE** of **AUX MODE**

User can adjust picture setting value for 『CAMERA CHANNELS』 and 『AUX CHANNEL』 separately.



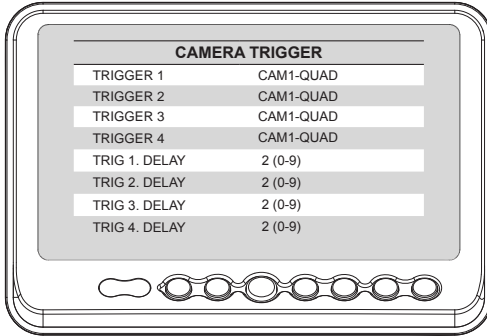
NORMAL/MIRROR

NORMAL/MIRROR

Each camera picture (CAM1/CAM2/CAM3/CAM4) can be switchable as **NORMAL/MIRROR** image.

UP/UPSIDE DOWN

Camera pictures can be switchable as **UP/DOWN** image.



CAMERA TRIGGER

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

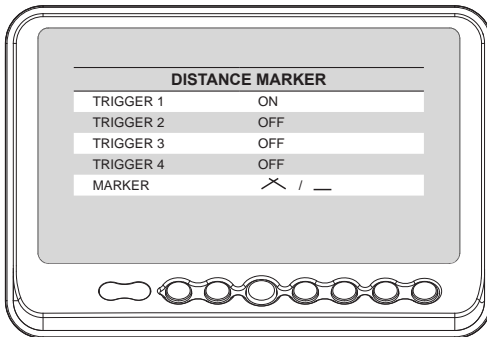
Select the required trigger source at CAM1/CAM2/CAM3/CAM4/AUX/SPLIT/TRIPLE/QUAD

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.



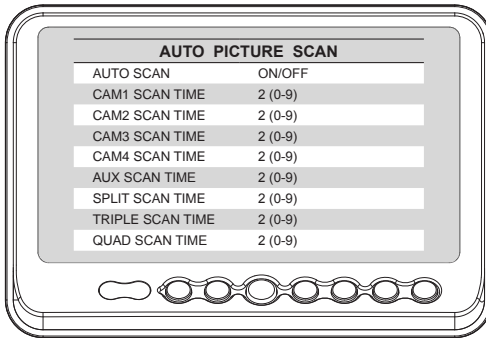
DISTANCE MARKER

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**. ✕ or _

SYSTEM SETTING

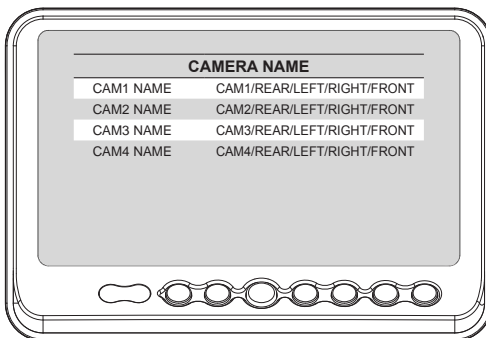


AUTO PICTURE SCAN

Each scanning time of CAM1/CAM2/CAM3 /CAM4/AUX/SPLIT/TRIPLE/QUAD can be selected.

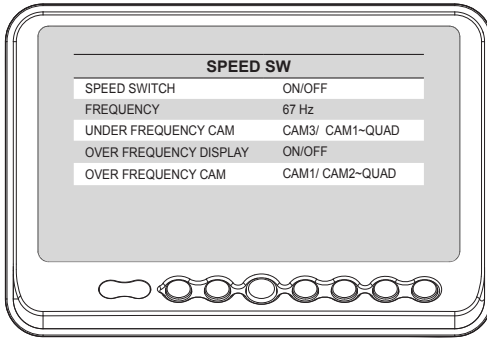
REMARK

If the **SCAN TIME** is set as [0], monitor skips its channel during the scanning.
Press [UP] button for 4 seconds to **ACTIVATE/INACTIVATE** auto scanning function.



CAMERA NAME

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



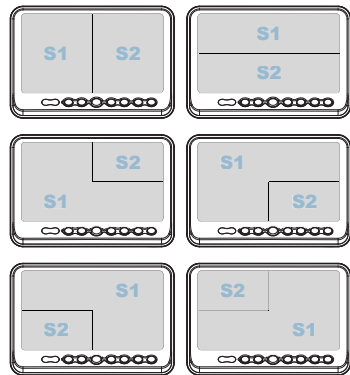
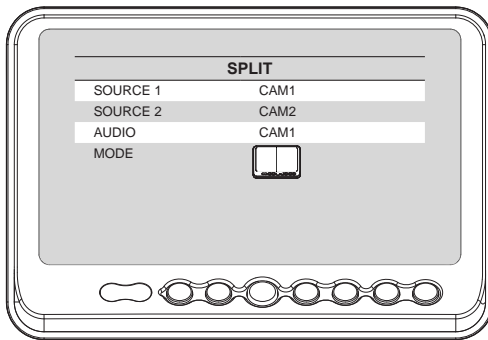
SPEED SWITCH

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 most common used tacho signal) the selected camera will be displayed during a speed of 0~33km/h. Select the concerning camera via 『**UNDER FREQUENCY CH:**』 (At different type tacho signals the **FREQUENCY** needs to be adjusted into higher or lower value than this 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 CH:**』

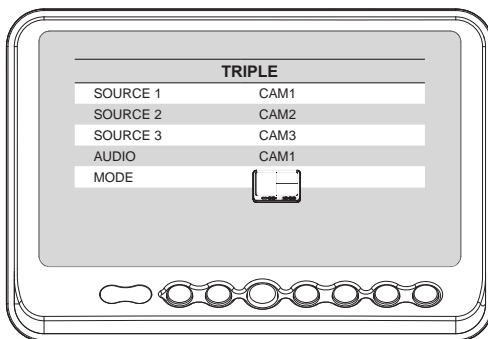
In case of **TRIGGER** activation during 『**SPEED SWITCH ON**』 mode, then **TRIGGERS 1~ 4** will overrule 『**SPEED SWITCH**』 function.

MENU



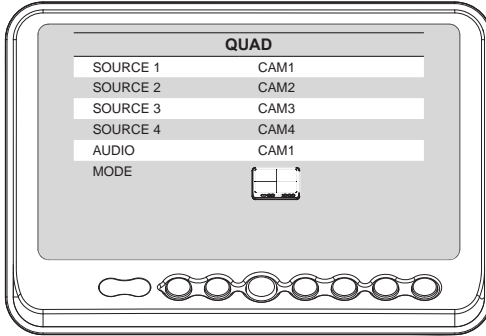
SPLIT

- SOURCE 1** Select S1 Camera(CAM1~CAM4).
- SOURCE 2** Select S2 Camera(CAM1~CAM4).
- AUDIO** Select SPLIT of Audio(CAM1~CAM4).
- MODE** Select SPLIT MODE



TRIPLE

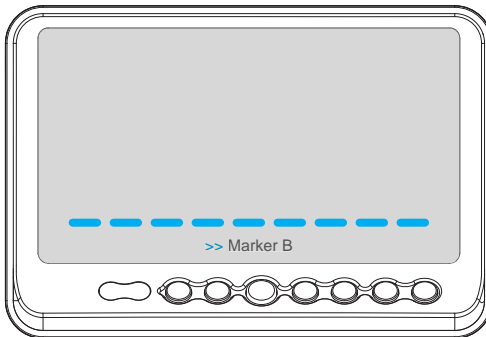
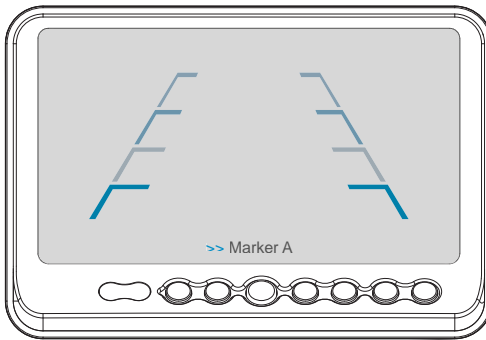
- SOURCE 1** Select S1 Camera(CAM1~CAM4).
- SOURCE 2** Select S2 Camera(CAM1~CAM4).
- SOURCE 3** Select S3 Camera(CAM1~CAM4).
- AUDIO** Select TRIPLE of Audio(CAM1~CAM4).
- MODE** Select TRIPLE MODE



QUAD

- 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

■ MENU



DISTANCE MARKER ADJUST

User can adjust location of distance marker.

Marker A- Parking line

At Power **ON** mode, select distance marker by pressing [**UP/DOWN**] buttons.

When color of distance markers is seen as **RED** color, user can adjust the lines **UP/DOWN** or **LEFT/RIGHT**.

When both color of distance markers are seen as **RED** color, both lines can be adjusted **LEFT/RIGHT**.

When left color of distance marker is seen as **RED** color, left line of distance marker can be adjusted **LEFT/RIGHT**.

When right color of distance marker is seen as **RED** color, right line of distance marker can be adjusted **LEFT/RIGHT**.

Marker B- Horizontal line

User can adjust the **UP/DOWN** of the lines.

User can adjust horizontal line by pressing [**UP/DOWN**] buttons.

LOCK ON/OFF FUNCTION

LOCK ON/OFF FUNCTION

The set up menu can be locked as prevention against unauthorized users.

LOCK ON mode

At **Power-ON** mode, hold [**DOWN**] button pressed for 10 seconds to set up **LOCK ON** function.

When [**LOCKED**] is displayed on the screen, user can use [**POWER, SELECT, VOLUME**] buttons only and use can do setting for **PICTURE** menu.

LOCK OFF mode

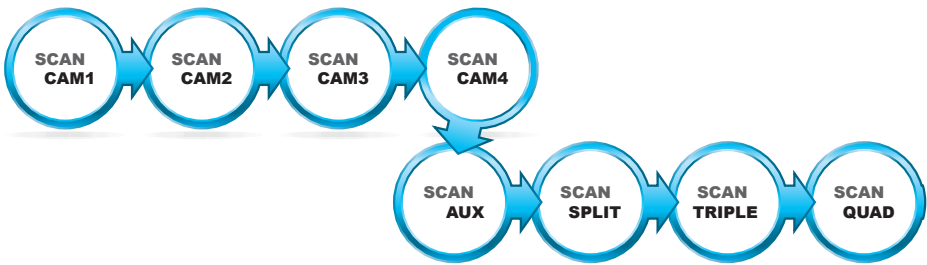
At **Power-ON** mode, hold [**DOWN**] button pressed for 10 seconds to set up **LOCK OFF** function.

When [**UNLOCKED**] is displayed on the screen, user can use all functions of the set up menu.

SCAN ON/OFF FUNCTION

At **Power-ON** mode, hold [**UP**] buttons pressed for 4 seconds to activate Auto Scan Picture function.

During the auto scanning mode, press [**UP**] button for 4 seconds to inactivate Auto Scan Picture function.

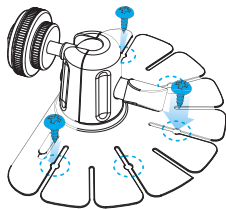


■ INSTALLATION

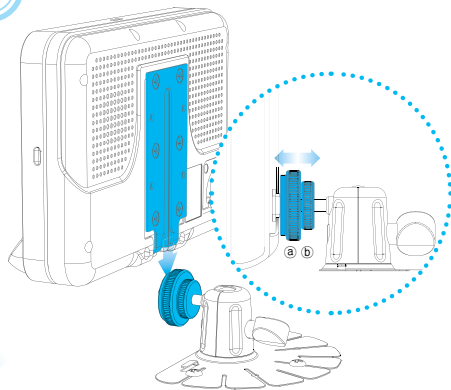
MONITOR installation with STAND BRACKET & SUNVISOR

- A Remove a protection tape and attach **STAND BRACKET** into stand place, then fix it with the supplied screws.
- B Connect **STAND BRACKET** with monitor and adjust height/angle.
- C Connect **SUNVISOR** to the **MONITOR**.
- D Connect **CAMERA INPUT CABLE** to the **MONITOR**.

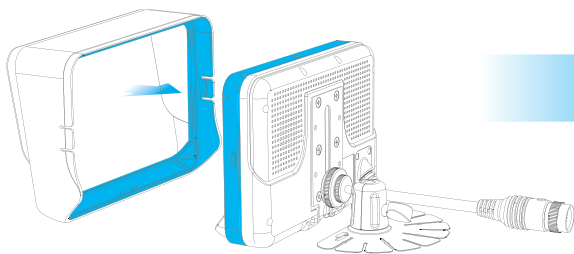
A



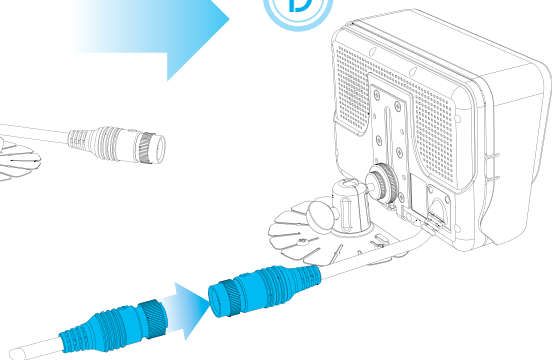
B



C

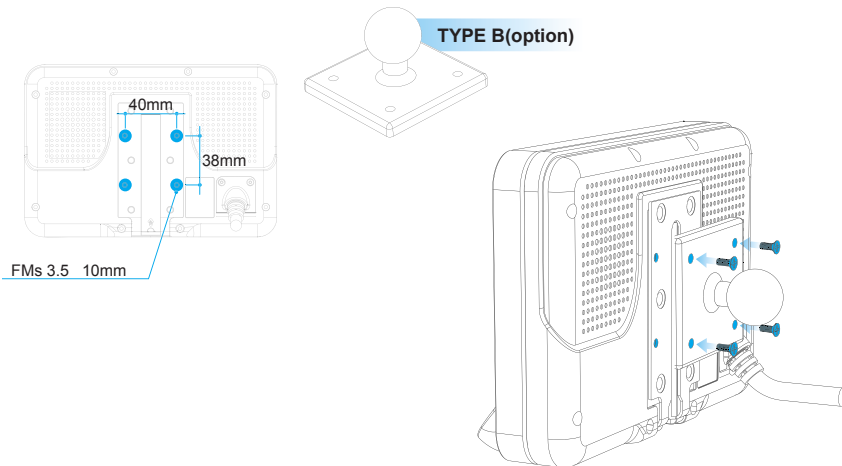
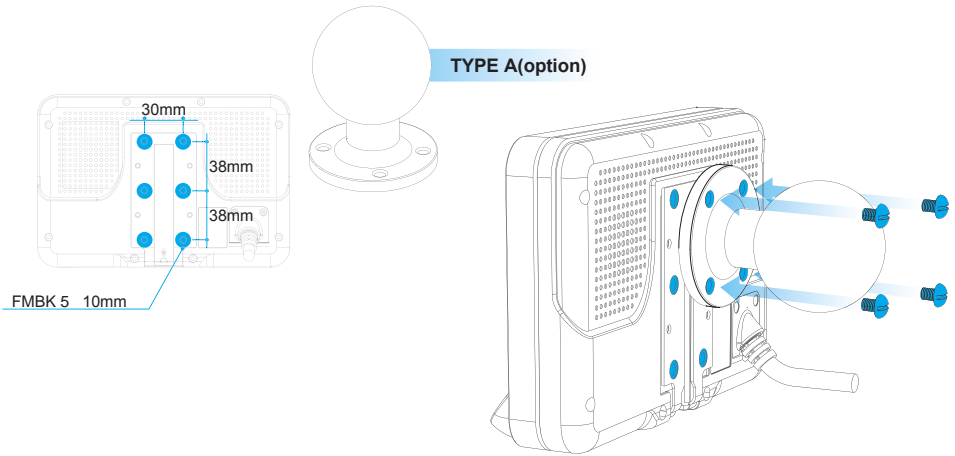


D

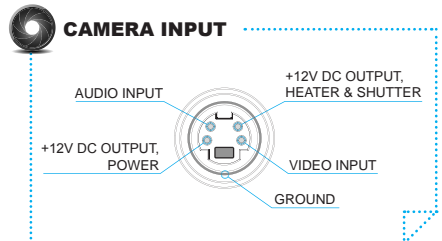
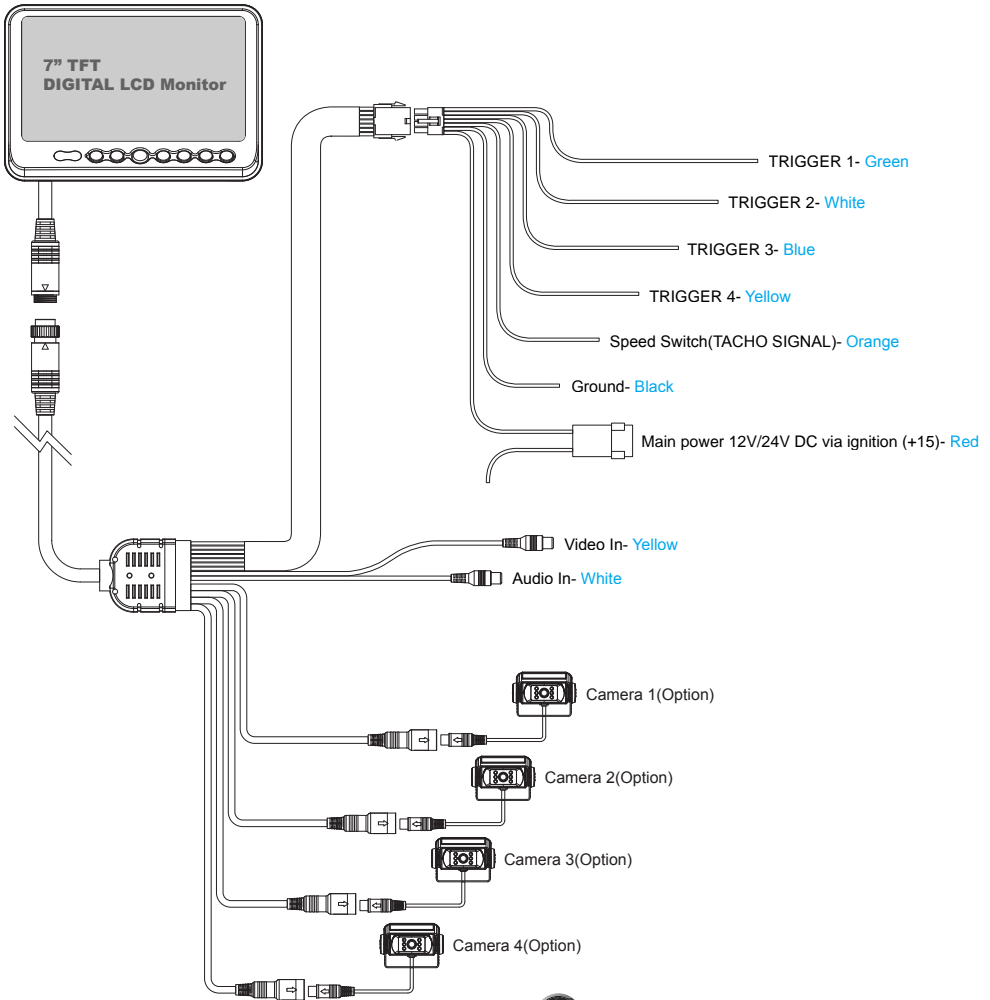


Installation of **HEAVY DUTY MOUNTING BRACKETS**

MONITOR can be connected with different type of **HEAVY DUTY MOUNTING BRACKETS**. Please check the compatibility in advance, then please follow installation as described below.



CONNECTION



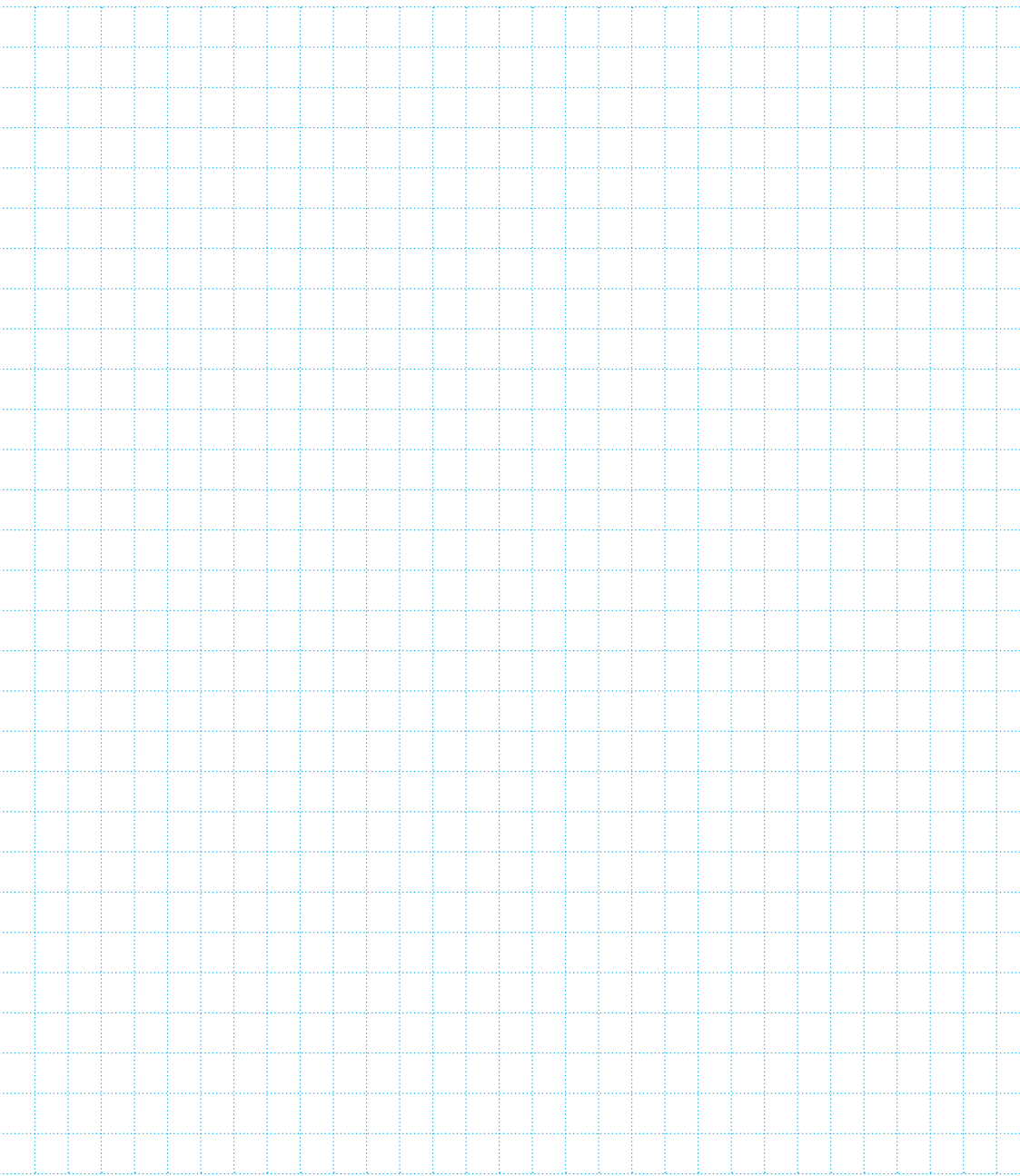
■ SPECIFICATION



ITEM	SPECIFICATION
LCD SCREEN SIZE	7" Wide Screen
DIMENSIONS	193(W) × 132(H) 50.5(D)mm
DISPLAY DIMENSIONS	154.08 × 85.92mm
POWER INPUT	DC 12 to 30 Free Input
POWER CONSUMPTION	15 Watt Max.
VIDEO SYSTEM	NTSC / PAL
SYNC. SYSTEM	Internal
BRIGHTNESS	400 cd/m ²
DISPLAY RESOLUTION	800 480 pixel
VIEWING ANGLE	Top: 50. Bottom: 70. Left: 70. Right: 70.
COLOR CONFIGURATION	RGB Stripe
DIMMER	Automatic / Manual
SPEAKER IMPEDANCE	8Ω. 0.3 Watt Max.
OPERATING TEMP.	-25°C to + 75°C
STORAGE TEMP.	-30°C to + 85°C
IMPACT RATING	4G
CAMERA CONNECTOR	4-Pin mini DIN (MXN configuration)
HOUSING	Light Black(ABS)
ON-SCREEN DISPLAY CONTROL FUNCTIONS	Volume · Brightness · Color · Contrast · Tint · CAM Screen 1/2/3/4 SPLIT TRIPLE QUAD · CAM Trigger 1/2/3/4 · Heater · Speedswitch · Auto Power · Distance marker · Auto Picture Scan · Dimmer · Language · Direction · Reset.
SUPPLIED ACCESSORY	Die-Cast Mounting Bracket / 1 pce, Screw Kit / 1set, Manual, Sun Shield / 1 pce, Power cable / 1 set
WEIGHT	±620g

■ MEMO

A large grid of dotted lines for writing, covering the majority of the page. The grid consists of small, uniform squares formed by light blue dotted lines, providing a guide for handwriting or drawing.



OWNER'S MANUAL

PLEASE READ CAREFULLY BEFORE
USING THIS PRODUCT.

MXN®

7" DIGITAL SPLITSCREEN TFT LCD ALL ROUND VISION MONITOR



Model: MXN-P7DQ

Design and specifications are subject to change without notice.