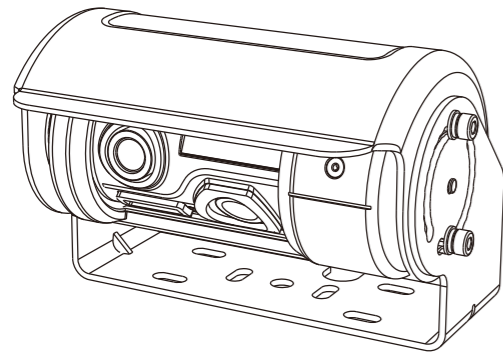


MXN94C MXN95C Owner's Manual



- 1 COMPOSITION
- 2 INSTALLATION
- 3 CONNECTION WIRING
- 4 CAMERA INPUT CONNECTOR PIN DESCRIPTION
- 5 LENS SPECIFICATION
- 6 FEATURES
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CAUTION BEFORE USAGE

- PLEASE USE PRODUCTS AFTER READING MANUAL CAREFULLY FOR SAFE USAGE.
- ASK EXPERIENCED TECHNICIAN FOR PRODUCTS INSTALLATION.
- DO NOT OPEN OR MODIFY THE PRODUCTS. IT CAUSES PRODUCTS PROBLEM, AN ELECTRIC SHOCK & FIRE. ALSO, IT CAUSES WATERPROOF PROBLEM IN CASE OF WATERPROOF PRODUCTS. ASK YOUR DEALER FOR A/S IF YOU NEED REPAIRING.
- DO NOT DROP OR GIVE EXTERNAL SHOCK TO THE PRODUCTS. IT CAUSES PRODUCT'S DISPLAY, FEATURE, MALFUNCTION OR COMPONENTS PROBLEM.
- USE REGULATED VOLTAGE. MANUFACTURER DISCLAIM ALL THE RESPONSIBILITY FOR OVER VOLTAGE.
- CONNECT MAIN POWER AFTER INSTALLATION.
- USE SUPPLIED ACCESSORY & COMPONENTS. OTHERWISE, MANUFACTURER DISCLAIM ALL THE RESPONSIBILITY.
- THE PRODUCTS IS DESIGNED FOR NORMAL CONDITION USAGE. PLEASE ASK OR DISCUSS WITH YOUR DEALER IF YOU USE THE PRODUCTS IN SPECIAL CONDITION. OTHERWISE, IT CAUSES PRODUCTS PROBLEMS IN ABNORMAL CONDITION USAGE.

SAFETY & CAUTION DURING THE USAGE

- CHECK THE STATUS OF FIXED BRACKET BEFORE DRIVING. IT CAUSES PRODUCTS PROBLEM WHILE DRIVING. MANUFACTURER DISCLAIM ALL THE RESPONSIBILITY FOR USER'S FAULT.
- DO NOT USE THE PRODUCTS IMMEDIATELY AFTER LEAVING IT ALONE FOR LONG PERIOD IN SUMMER OR WINTER.
- DO NOT USE AND ASK YOUR DEALER IMMEDIATELY IN CASE OF BURNING SMELL OR OVER HEATING AT PRODUCTS.
- DO NOT CUT THE CABLE, CUTTING CABLE CAUSES PRODUCTS MALFUNCTION OR WATERPROOF FUNCTION DEFECTS. OTHERWISE, MANUFACTURER DISCLAIM ALL THE RESPONSIBILITY.
- MAKE SURE TO CONNECT POWER CABLE & CAMERA CABLE IN RIGHT DIRECTION. IT CAUSES A DAMAGE TO THE PRODUCTS IN CASE OF THE WRONG WIRE CONNECTION.
- TIGHTEN CONNECTORS IN CASE OF CONNECTING EXTENSION CABLE. OTHERWISE, IT CAUSES CONNECTION PROBLEM OR WATERPROOF FUNCTION DEFECT ON PRODUCTS.
- DO NOT WRAP THE PRODUCTS WHILE OPERATING. IT CAUSES PRODUCTS PROBLEM OR FIRE
- AVOID THE PRODUCTS IN ELECTROSTATIC CONDITION. IT CAUSES WRONG OPERATION.
- DO NOT PILE UP HEAVY STUFF ON PRODUCTS. IT CAUSES PRODUCTS PROBLEM OR DAMAGE.
- ASK YOUR DEALER AFTER DISCONNECTING POWER CABLE IN CASE OF FINDING ANY DEBRIS INSIDE OF PRODUCTS. IT CAUSES PRODUCTS PROBLEM OR AN ELECTRIC SHOCK.
- DO NOT USE STRONG SOLVENTS SUCH AS THINNER OR BENZINE AS THEY MIGHT DAMAGE THE FINISH OF PRODUCTS OR PRODUCTS PROBLEM.

1 COMPOSITION

MXN94C / MXN95C CAMERA

SUNSHIELD

MOUNTING BRACKET

WIPER RUBBER(3) ONLY MXN94C

L-WRENCH (1)

DINWW6P20M(20M)
DINWW6P10M(10M)
(OPTIONAL)

T/H M5X16L STAINLESS BK (4)

P/H W/WASHER T5X16L STAINLESS, BK (4)

M4X10L W/SPRING FLATE WASHER, BK (4)

HEX M5XH5 STAINLESS (4)

SPLIT BOX

20cm ADAPTOR CABLE

INSTRUCTION MANUAL

2 INSTALLATION

INSTALL CAMERA FIRMLY AT THE ADEQUATE POSITION OF VEHICLE AFTER CHECKING CAMERA'S FIELD OF VIEW. CAMERAS CAN BE INSTALLED AT SUITABLE POSITION OF VEHICLE'S REAR SIDE ACCORDING TO USER'S CONVENIENCE. ASK YOUR DEALER OR EXPERIENCED TECHNICIAN HOW TO INSTALL CAMERA & MONITOR DUE TO DIFFERENT TYPE OF VEHICLE.

1. Mounting bracket is attached to the vehicle.

2. Camera (MXN94C or MXN95C) is mounted onto the bracket.

3. Sunshield is attached to the camera.

2-1. FIX THE SUPPLIED MOUNTING BRACKET TO THE VEHICLE.
2-2. ADJUST ANGLE OF THE CAMERA.
2-3. ADJUST ANGLE OF SUNSHIELD AND FIX IT TO CAMERA. FASTEN THE SCREW FIRMLY AFTER ADJUSTING CAMERA & SUNSHIELD.

* ADJUST SUNSHIELD ANGLE TO AVOID LENS FIELD OF VIEW & SUN LIGHT.
* FASTEN THE SCREW FIRMLY TO AVOID PRODUCT'S DAMAGE OR OPERATION.

HOW TO ADJUST CAMERA SUNSHIELD & ANGLE

A. RECOMMENDED GUIDE LINE FOR ASSEMBLING SUNSHIELD.
B. USER CAN ADJUST THE INSTALLING ANGLE

* HOW TO REPLACE WIPER RUBBER (ONLY MXN94C)

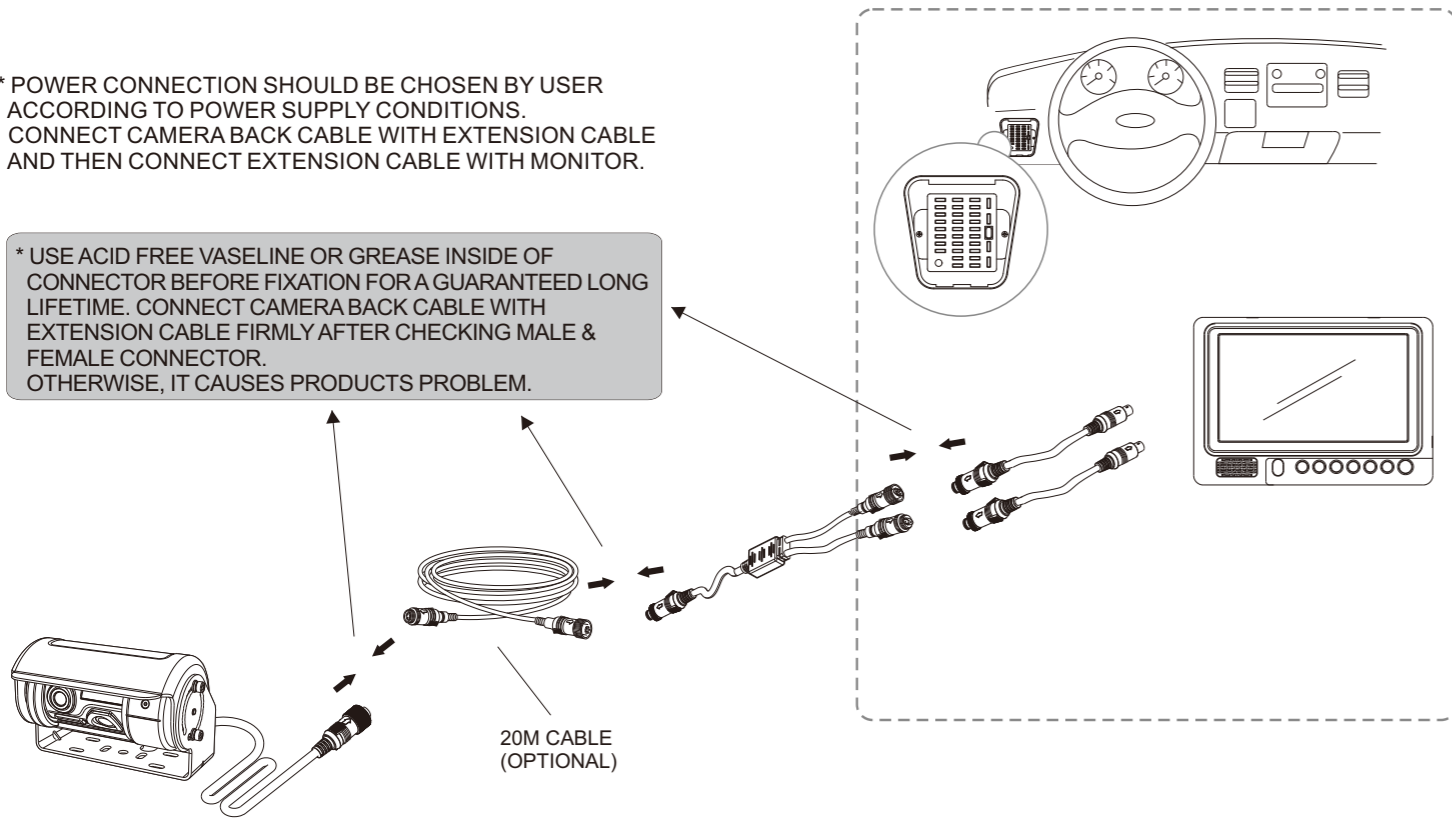
- Remove the wiper rubber as above picture shown.
- Put on supplied wiper rubber on the wiper hole.
- Fix the rubber into the hole by pushing with your finger.

3 CONNECTION WIRING

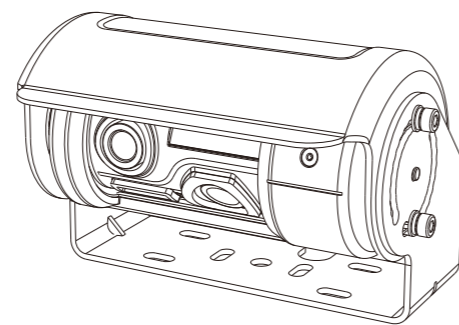
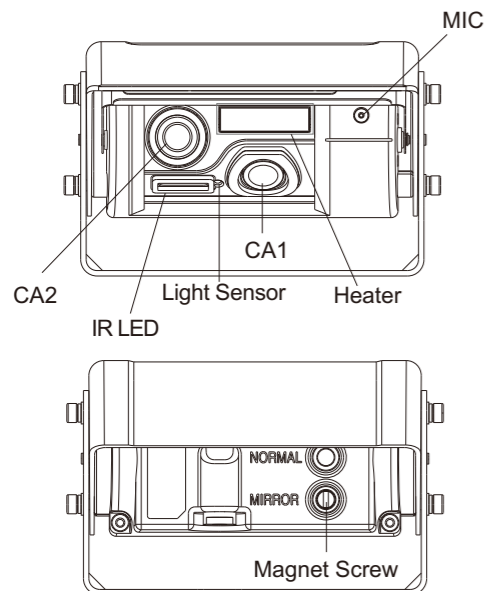
CONNECT CAMERA & MONITOR AFTER CHECKING SPECIFICATION OF MONITOR & EXTENSION CABLE. CONNECT POWER & GROUND WIRE OF MONITOR TO FUSE BOX OF VEHICLE WHEN YOU CONNECT MONITOR POWER.

* POWER CONNECTION SHOULD BE CHOSEN BY USER ACCORDING TO POWER SUPPLY CONDITIONS. CONNECT CAMERA BACK CABLE WITH EXTENSION CABLE AND THEN CONNECT EXTENSION CABLE WITH MONITOR.

* USE ACID FREE VASELINE OR GREASE INSIDE OF CONNECTOR BEFORE FIXATION FOR A GUARANTEED LONG LIFETIME. CONNECT CAMERA BACK CABLE WITH EXTENSION CABLE FIRMLY AFTER CHECKING MALE & FEMALE CONNECTOR. OTHERWISE, IT CAUSES PRODUCTS PROBLEM.



6 FEATURES



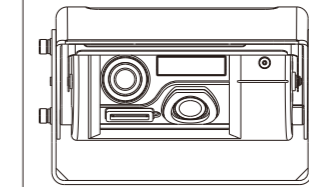
Motorized Shutter Twin View Camera (MXN94C)
Twin View Camera (MXN95C)
1/3" Super HAD CCD
Automatic electronic iris
Ultra low light performance
Extra-wide field of view
Input voltage DC 12V from monitor
Automatic shutter / cleaning function (ONLY MXN94C)
Automatic heating function
Normal / Mirror image switching
Vandal resistant
Water-proof (IP69K)

● **HOW TO CHANGE MIRROR & NORMAL IMAGE**
CHANGE MAGNET SCREW POSITION, MIR OR NOR USING DRIVER.

4 CAMERA INPUT CONNECTOR PIN DESCRIPTION

MXN94C		MXN95C	
6P IP CONNECTER 		6P IP CONNECTER 	
Pin No.	Description	Pin No.	Description
1	Shutter/Heating(9V)	1	Heating(9V)
2	Audio	2	Audio
3	Video 1	3	Video 1
4	Ground	4	Ground
5	Video 2	5	Video 2
6	Power(12V)	6	Power(12V)
4P DIN CONNECTER 		4P DIN CONNECTER 	
Pin No.	Description	Pin No.	Description
1	Shutter/Heating(9V)	1	Heating(9V)
2	Audio	2	Audio
3	Video 1, 2	3	Video 1, 2
4	Power(12V)	4	Power(12V)
5	Ground	5	Ground

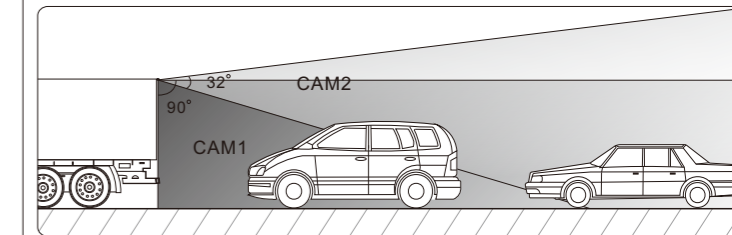
5 LENS SPECIFICATION



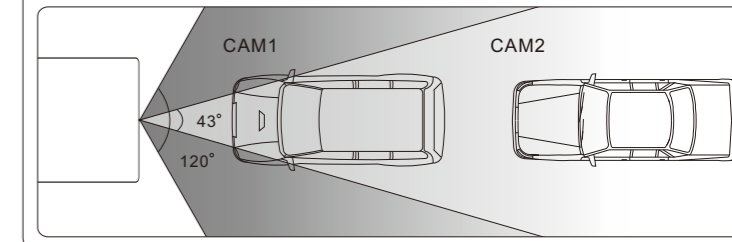
CAM1
DIAGONAL ANGLE : 150 DEGREE
HORIZONTAL ANGLE : 120 DEGREE
VERTICAL ANGLE : 90 DEGREE

CAM2
DIAGONAL ANGLE : 53 DEGREE
HORIZONTAL ANGLE : 43 DEGREE
VERTICAL ANGLE : 32 DEGREE

● HORIZONTAL FIELD OF VIEW

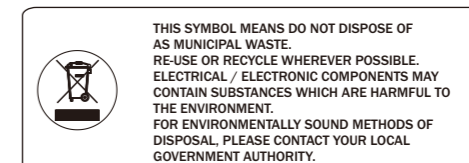


● VERTICAL FIELD OF VIEW



7 SPECIFICATIONS

Model No.	MXN94C / MXN95C
Image	Interline transfer type CCD
Picture Element	NTSC: 410,000 pixels PAL: 470,000 pixels
Image Size	1/3 Inch
Lens	CAM1 Diagonal Angle : 150 degree Horizontal Angle : 120 degree Vertical Angle : 90 degree CAM2 Diagonal Angle : 53 degree Horizontal Angle : 43 degree Vertical Angle : 32 degree
Synchronization	Internal
Horizontal Resolution	NTSC: More than 480TV lines PAL: More than 530TV lines
Min. Illumination	CAM1 0 Lux. (IR LED ON) W/4 IR LED CAM2 1 Lux.
Signal To Noise Ratio	Better than 50dB(at AGC off)
Power Supply	DC 12V
Power Consumption	Max. 5.0W
Vibration	7G
Impact	100G
IP Factor	IP 69K
Operation Temp.	-30℃~80℃ (-22°F~176°F)
Case Material	Window: Curved Glass Body: Aluminum
Weight	Approx. 650g
Dimensions	114(W) X 57(H) X 59(D)mm
Supplied Accesories	Sunshield, Mounting Bracket Screw Kits, Split Box Wiper Rubber(ONLY MXN94C), 20M Cable (Optional), Instruction Manual



* Design and specifications are subject to change without notice.
* Patent registered.