# CONTROLASER

# ControLaser RSE-3000C HD

Owner's Manual



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## A CAUTION BEFORE USAGE



1. PLEASE USE PRODUCTS AFTER READING MANUAL CAREFULLY FOR SAFE USAGE.



2. ASK EXPERIENCED TECHNICIAN FOR PRODUCTS INSTALLATION.



3. 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.



4. DO NOT DROP OR GIVE EXTERNAL SHOCK TO THE PRODUCTS. IT CAUSES PRODUCT'S DISPLAY, FEATURE, MALFUNCTION OR COMPONENTS PROBLEM.



5. USE REGULATED VOLTAGE. MANUFACTURER DISCLAIM ALL THE RESPONSIBILITY FOR OVER



6. CONNECT MAIN POWER AFTER INSTALLATION.



7. USE SUPPLIED ACCESSORY & COMPONENTS. OTHERWISE, MANUFACTURER DISCLAIM ALL THE RESPONSIBILITY.



8. 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.

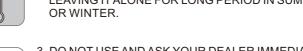
#### **↑** SAFETY & CAUTION DURING THE USAGE



1. CHECK THE STATUS OF FIXED BRACKET BEFORE DRIVING. IT CAUSES PRODUCTS PROBLEM WHILE DRIVING. MANUFACTURER DISCLAIM ALL THE RESPONSIBILITY FOR USER'S FAULT.



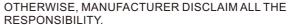








4. DO NOT CUT THE CABLE, CUTTING CABLE CAUSES PRODUCTS MALFUNCTION OR WATERPROOF **FUNCTION DEFECTS.** 





5. 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.



6. TIGHTEN CONNECTORS IN CASE OF CONNECTING EXTENSION CABLE. OTHERWISE, IT CAUSES CONNECTION PROBLEM OR WATERPROOF FUNCTION DEFECT ON PRODUCTS.



7. DO NOT WRAP THE PRODUCTS WHILE OPERATING. IT CAUSES PRODUCTS PROBLEM OR FIRE

8. AVOID THE PRODUCTS IN ELECTROSTATIC CONDITION. IT CAUSES WRONG OPERATION.



9. DO NOT PILE UP HEAVY STUFF ON PRODUCTS. IT CAUSES PRODUCTS PROBLEM OR DAMAGE.

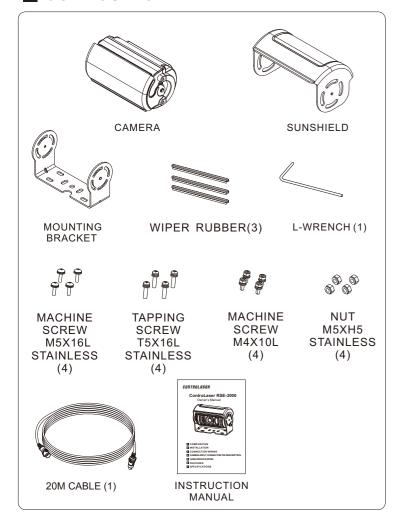


10. ASK YOUR DEALER AFTER DISCONNECTING POWER CABLE IN CASE OF FINDING ANY DEBRIS INSIDE OF PRODUCTS. IT CAUSES PRODUCTS PROBLEM OR AN ELECTRIC



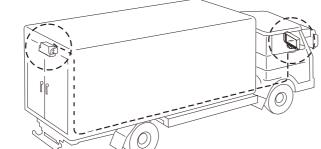
. DO NOT USE STRONG SOLVENTS SUCH AS THINNER OR BENZINE AS THEY MIGHT DAMAGE THE FINISH OF PRODUCTS OR PRODUCTS

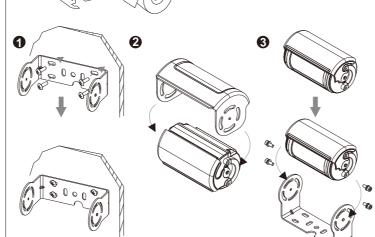
# 1 COMPOSITION



# **2** INSTALLATION

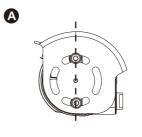
INSTALL CAMERA FIRMLY AT THE ADEQUATE POSITION OF VEHICLE AFTER CHECKING CAMERA'S FIELD OF VIEW. CAMERAS CAN BE INSTALLED AT SUITABLE POSITION OF VEHICLE'S REAR SIDE ACCORDING TO USER'S CONVENIENCE. ASK YOUR DEALER OR EXPERIENCED TECHNICIAN HOW TO INSTALL CAMERA & MONITOR DUE TO DIFFERENT TYPE OF VEHICLE.

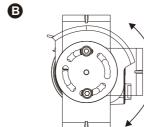




- 2-1. FIX THE SUPPLIED MOUNTING BRACKET TO THE VEHICLE.
- 2-2. ADJUST ANGLE OF THE CAMERA.
- 2-3. ADJUST ANGLE OF SUNSHIELD AND FIX IT TO CAMERA. FASTEN THE SCREW FIRMLY AFTER ADJUSTING CAMERA
- \* ADJUST SUNSHIELD ANGLE TO AVOID LENS FIELD OF VIEW & SUN LIGHT.
- FASTEN THE SCREW FIRMLY TO AVOID PRODUCT'S DAMAGE OR OPERATION.

#### **HOW TO ADJUST CAMERA SUNSHIELD & ANGLE**

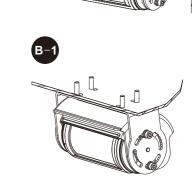


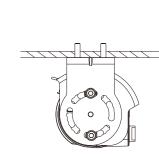


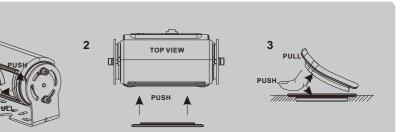
A. RECOMMENDED GUIDE LINE FOR ASSEMBLING SUNSHIELD. B. USER CAN ADJUST THE INSTALLING ANGLE

#### HOW TO REPLACE WIPER RUBBER

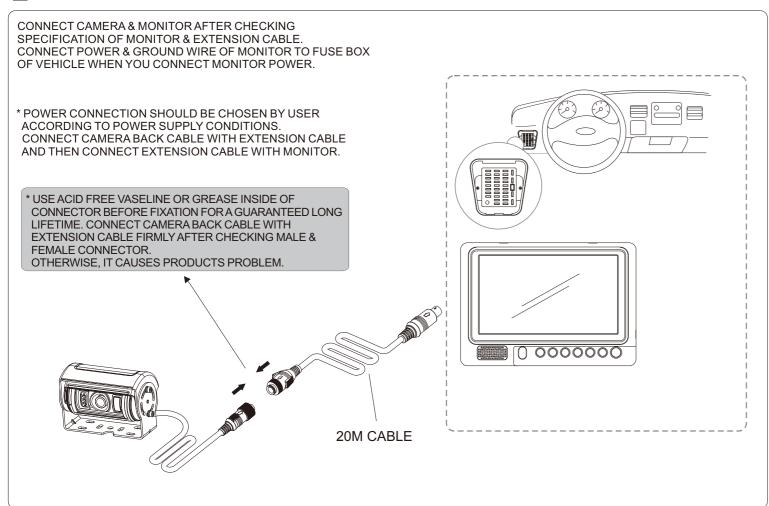
- 1. Remove the wiper rubber as above picture shown
- 2. Put on supplied wiper rubber on the wiper hole
- 3. Fix the rubber into the hole by pushing with your finger



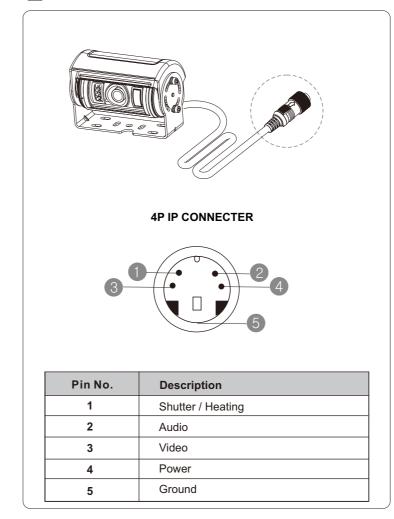




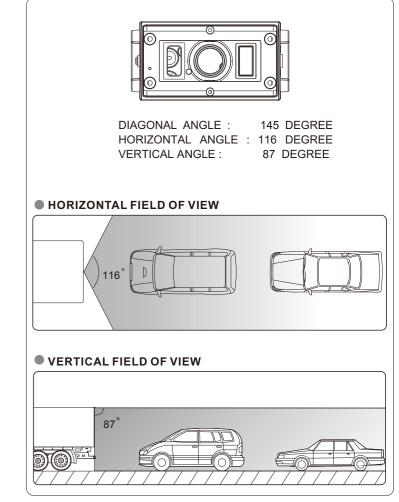
#### 3 CONNECTION WIRING



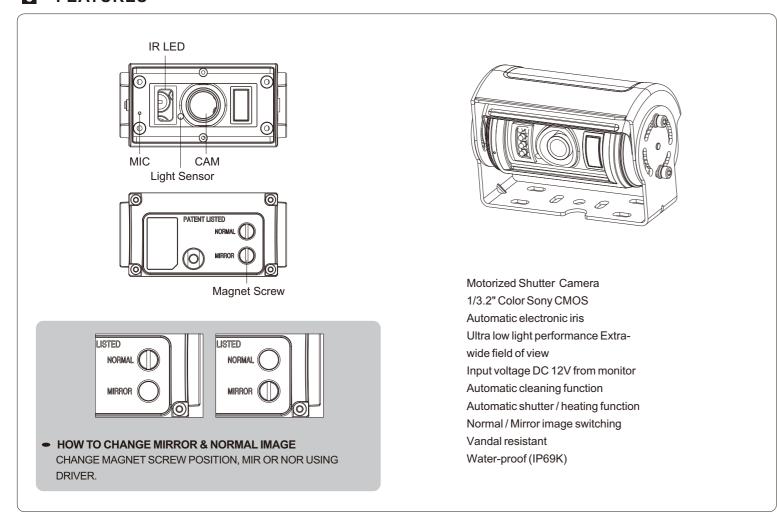
#### 4 CAMERA INPUT CONNECTOR PIN DESCRIPTION



#### 5 LENS SPECIFICATION



### **6** FEATURES



#### **7** SPECIFICATIONS

Model No.	ControLaser RSE-3000C HD
Image Picture Element	Interline transfer type CMOS PAL: 1,23 Mega pixels
Image Size Lens	1/3.2 Inch Diagonal Angle: 145 degree Horizontal Angle: 116 degree Vertical Angle: 87 degree
Synchronization	Internal
<b>Horizontal Resolution</b>	PAL: More than 700TV lines (CVBS)
Min. Illumination Signal To Noise Ratio Power Supply Power Consumption Vibration Impact IP Factor Operation Temp. Case Material Weight Dimensions Supplied Accesories	Lux.(IR LED ON) Better than 50dB( at AGC off) DC 12V Max. 3.0W 10G 100G IP 69K -40~85 degree Window: Curved Glass Body: Aluminum Approx. 480g 104(W) X 55(H) X 62(D)mm Sunshield Mounting Bracket Screw Kits Wiper Rubber, 20M Cable Instruction Manual



THIS SYMBOL MEANS DO NOT DISPOSE OF THIS SYMBOL MEANS DO NOT DISPOSE OF AS MUNICIPAL WASTE. RE-USE OR RECYCLE WHEREVER POSSIBLE. ELECTRICAL / ELECTRONIC COMPONENTS MAY CONTAIN SUBSTANCES WHICH ARE HARMFUL TO THE ENVIRONMENT. FOR ENVIRONMENTALLY SOUND METHODS OF DISPOSAL, PLEASE CONTACT YOUR LOCAL GOVERNMENT AUTHORITY.

<sup>\*</sup> Design and specifications are subject to change without

notice.
\* Patent registered.