

## INSTRUCTION MANUAL

Thank you for purchasing this product.  
For proper usages and application,  
please read this instruction manual thoroughly.

# CM-31A/31AH/32A/32AH

## REAR CAMERA FOR VEHICLE



**montronics** Pty Ltd  
montronics.com.au Ph:(02) 6571 2775

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## FEATURE

- 1/3" CCD image sensor
- 6 pcs of IR LEDs for night
- Audio Built-in
- Waterproof IP67
- Heating function Built-in (CM-31AH/32AH only)
- Aluminum die-casting housing
- Photo sensor

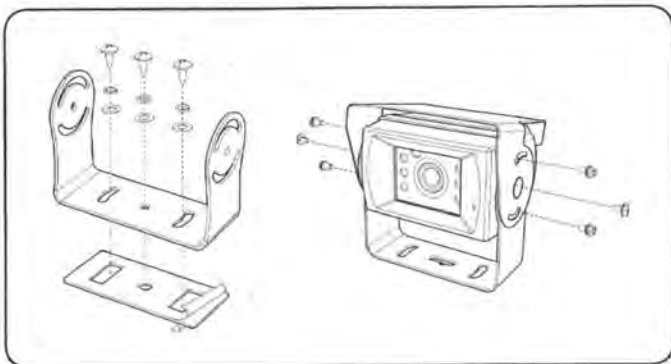
## SPECIFICATIONS

|                       | CM-31A/31AH                                                                                                                                                                                                                                              | CM-32A/32AH               |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Pick-up device        | 1/3" B/W CCD (ELA/CCIR)                                                                                                                                                                                                                                  | 1/3" COLOR CCD (NTSC/PAL) |
| View of angle         | 95 (H) / 70 (V) / 120 (D)                                                                                                                                                                                                                                |                           |
| Minimum illumination  | 0.1 lux                                                                                                                                                                                                                                                  |                           |
| Input voltage         | DC 12V / 200mA Max.                                                                                                                                                                                                                                      |                           |
| Operating temperature | -30°C ~ 70°C                                                                                                                                                                                                                                             |                           |
| Dimension             | 70(W) x 44(H) x 57(D) mm                                                                                                                                                                                                                                 |                           |
| Weight                | 400g (with bracket)                                                                                                                                                                                                                                      |                           |
| Box contents          | Camera ..... 1EA<br>Camera Bracket ..... 1EA<br>Sun Visor ..... 1EA<br>Accessories Pack (Screws set & Adhesive tape) ..... 1SET<br>Insulation Tape (Included only for 6DIN cable) ..... 1EA<br>Instruction Manual ..... 1EA<br>Extension Cable ..... 1EA |                           |

\* Design and specifications are subject to change without notice.

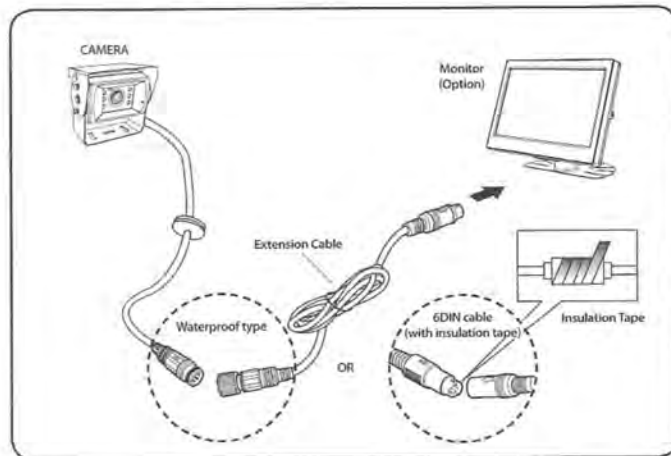
## INSTALLATION

\* Based on the condition and place, the installation procedures could be varied.



1. Determine a position and a direction of installation so that the rear view can be effectively seen on the monitor screen.
2. Fix the camera bracket to the vehicle using the provided adhesive tape and tapping screws with spring washers.
3. Fix the camera between the camera bracket and sun visor using machine screws, and adjust the angle of camera and fasten the screws firmly.
4. Run the cable from the monitor to the camera.

## CONNECTION



- ⚠ Before making the connection, disconnect the ground terminal of the car battery to avoid short circuiting.
- ⚠ Before inserting plug, should check pin specification and the plug should insert to jack or connector firmly. If forced insert wrong direction, it may cause malfunction.
- ⚠ When connect extension cable, turn it right direction as described arrow.