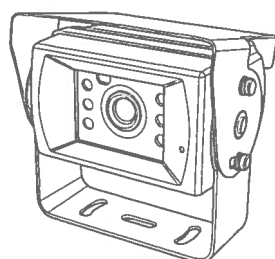


## INSTRUCTION MANUAL

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



ver. 1.2 PRINTED IN KOREA

## 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

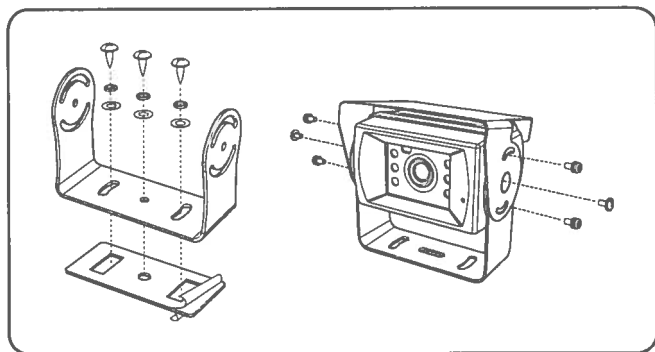
## SPECIFICATIONS

	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 Camera Bracket ..... 1EA Sun Visor ..... 1EA Accessories Pack (Screws set & Adhesive tape) ..... 1SET Insulation Tape (Included only for 6DIN cable) ..... 1EA Instruction Manual ..... 1EA Extension Cable ..... 1EA	

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

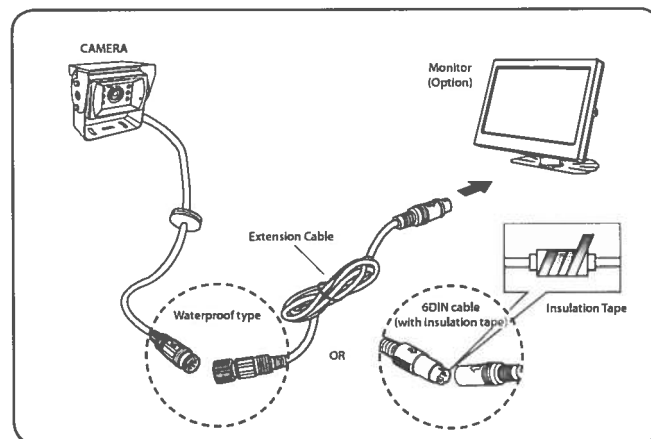
## INSTALLATION

\* 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.