

# Night Vision Brake Light Camera For Dodge ProMaster Van

Part No:LC-009C5-4

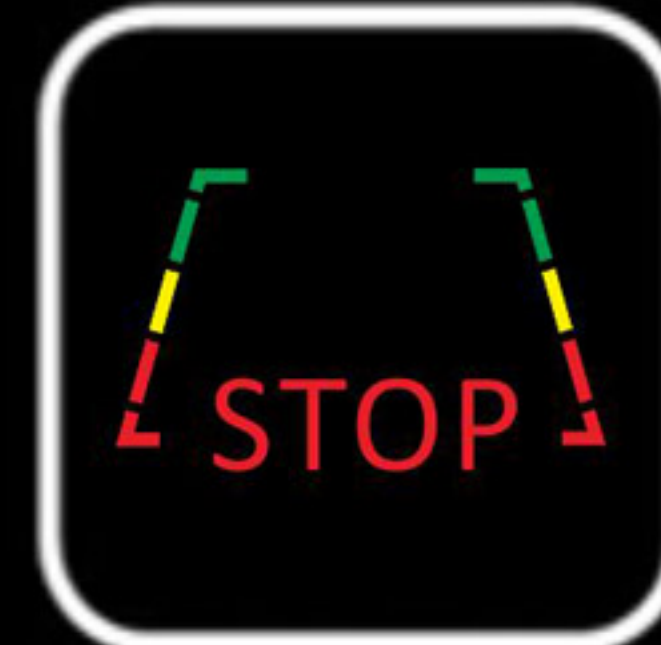
170° (H=105°) For reversing safety



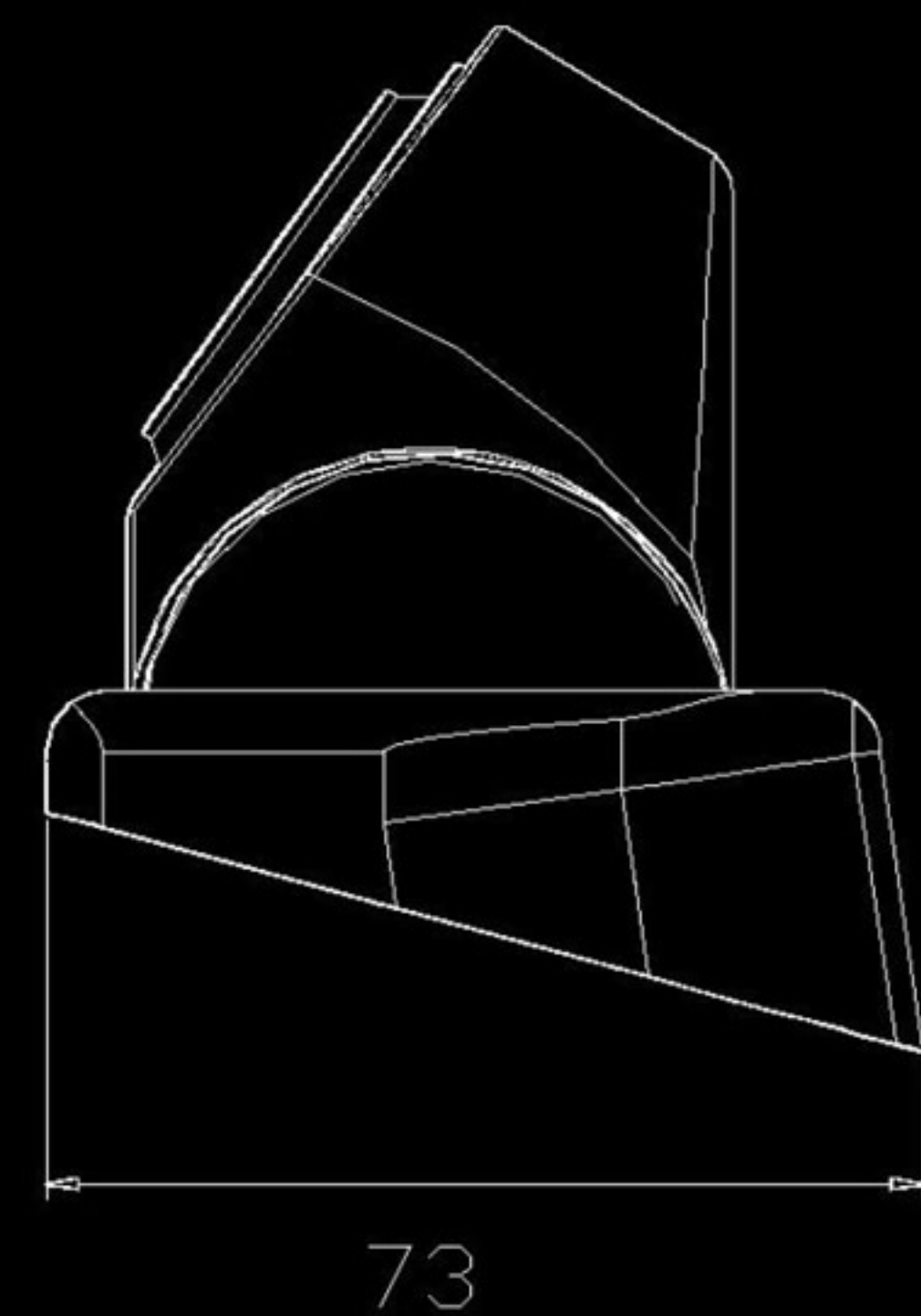
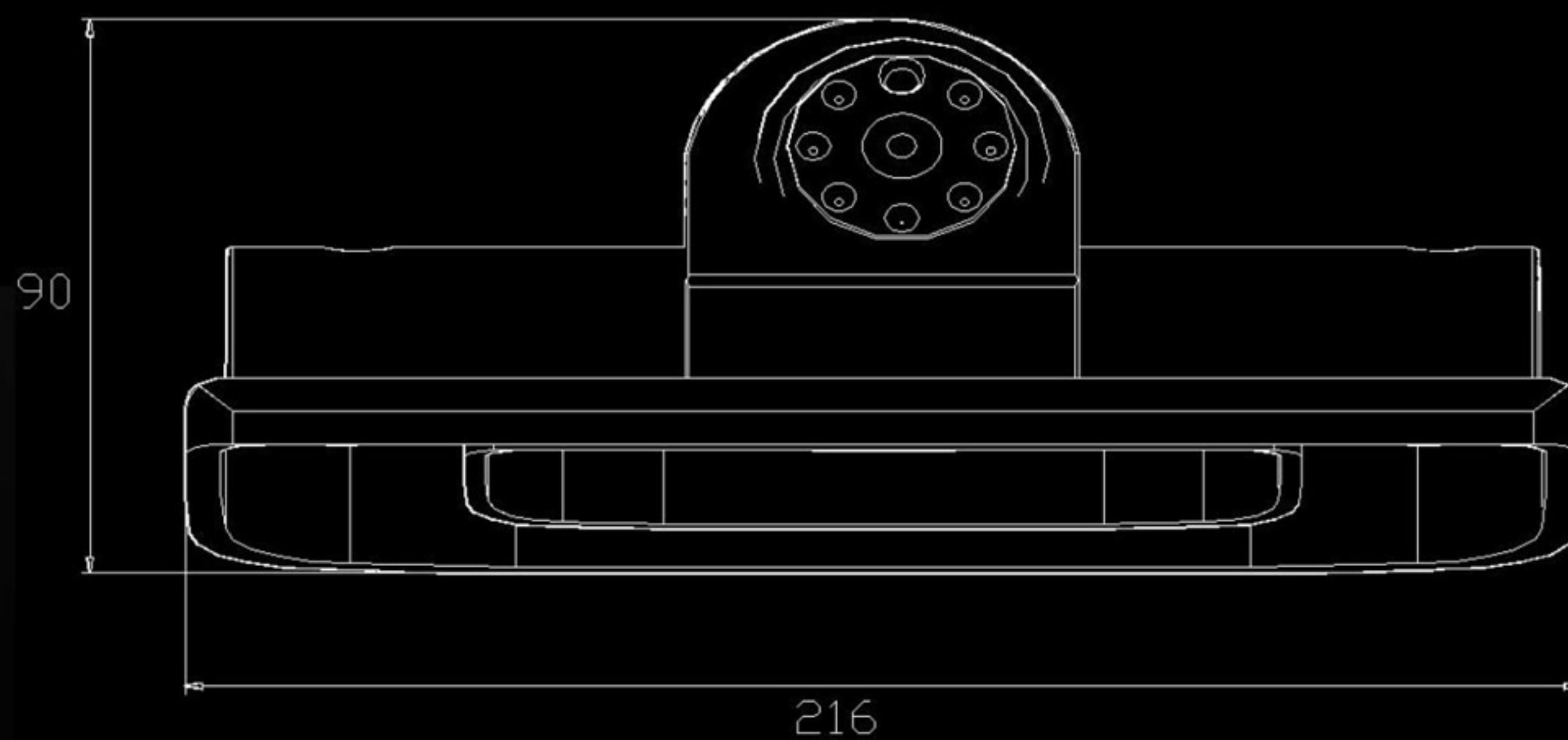


## Features:

- Night vision brake light camera for Dodge ProMaster van
- E-mark (E9) , CE, FCC certification
- Waterproof rating: IP68
- Wide view angle = 170°(Horizontal = 105°)
- Sharp CCD/Sony CCD/ Cmos optional
- New design and 100% size copy for original third brake light



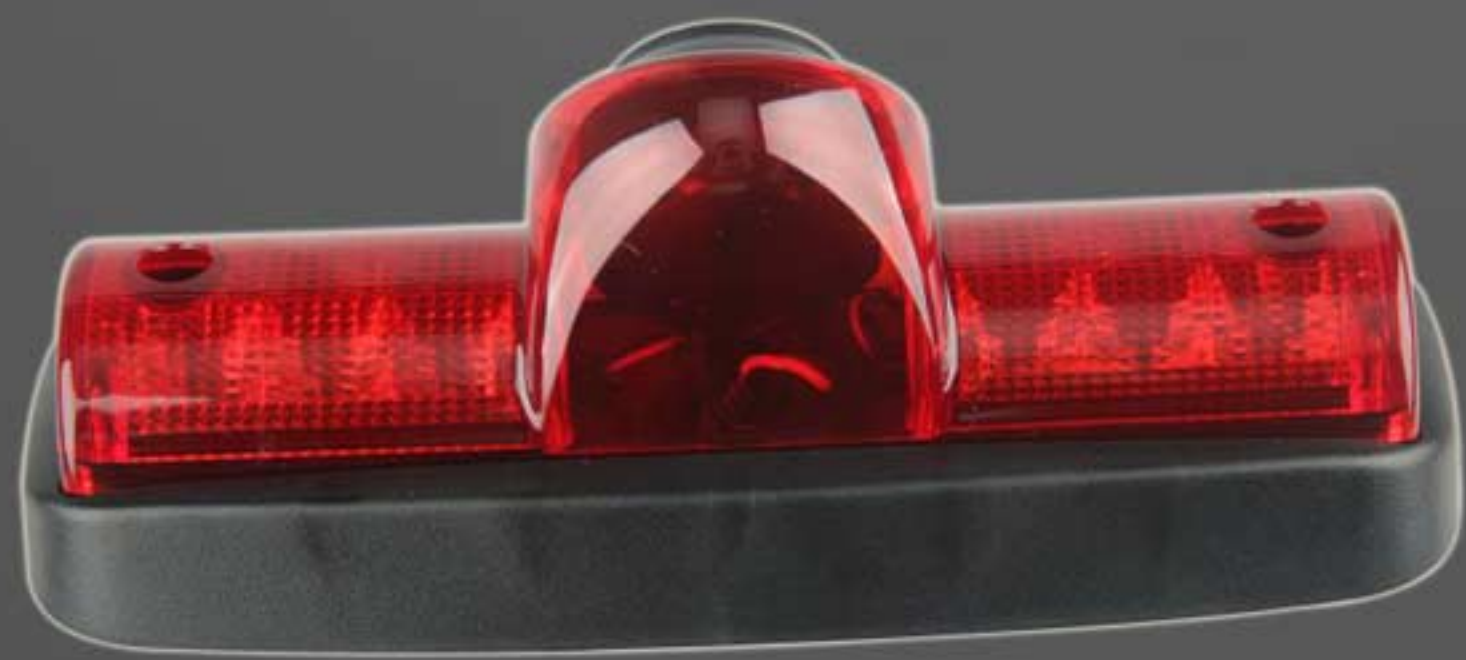
## Dimensional Drawing:



## Specification:

### Night vision brake light camera for Dodge ProMaster van

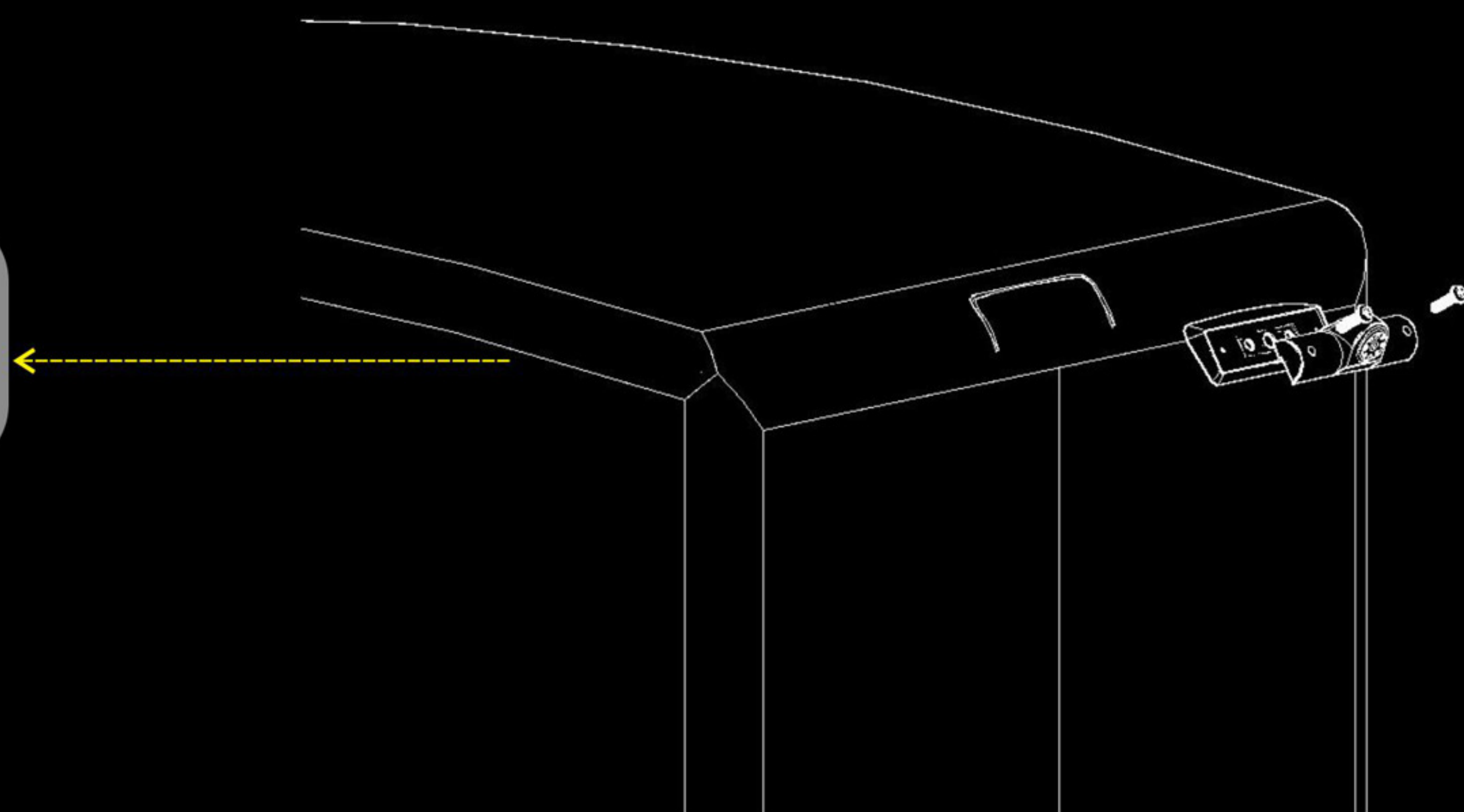
| Subject               | Standard Parameter               | Optional Parameter               |
|-----------------------|----------------------------------|----------------------------------|
| Image sensor          | 1/3" SONY CCD                    | 1/3" CMOS PC3089                 |
| Resolution            | N:752×494pixels P:752×582 pixels | N:728×488pixels P:720×480 pixels |
| Horizontal Resolution | 580TV Lines                      | 420TV Lines                      |
| Lens                  | 1.7mm                            |                                  |
| View angle            | 170°(D) 105°(H) 85°(V)           |                                  |
| Min illumination      | 0LUX(LED ON)                     |                                  |
| IR LED                | 6pcs (Night vision 5-7m)         |                                  |
| TV System             | NTSC / PAL                       |                                  |
| Power supply          | 12V DC                           |                                  |
| Current consumption   | 150mA                            | 130mA                            |
| Power consumption     | 1.8W(@12V DC)                    | 1.5W(@12V DC)                    |
| Waterproof rating     | IP68                             |                                  |
| Weight                | 300g                             |                                  |
| Dimension(W*H*D)      | 216*90*73mm(Camera)              |                                  |
| Operation temperature | -20°C~+70°C                      |                                  |



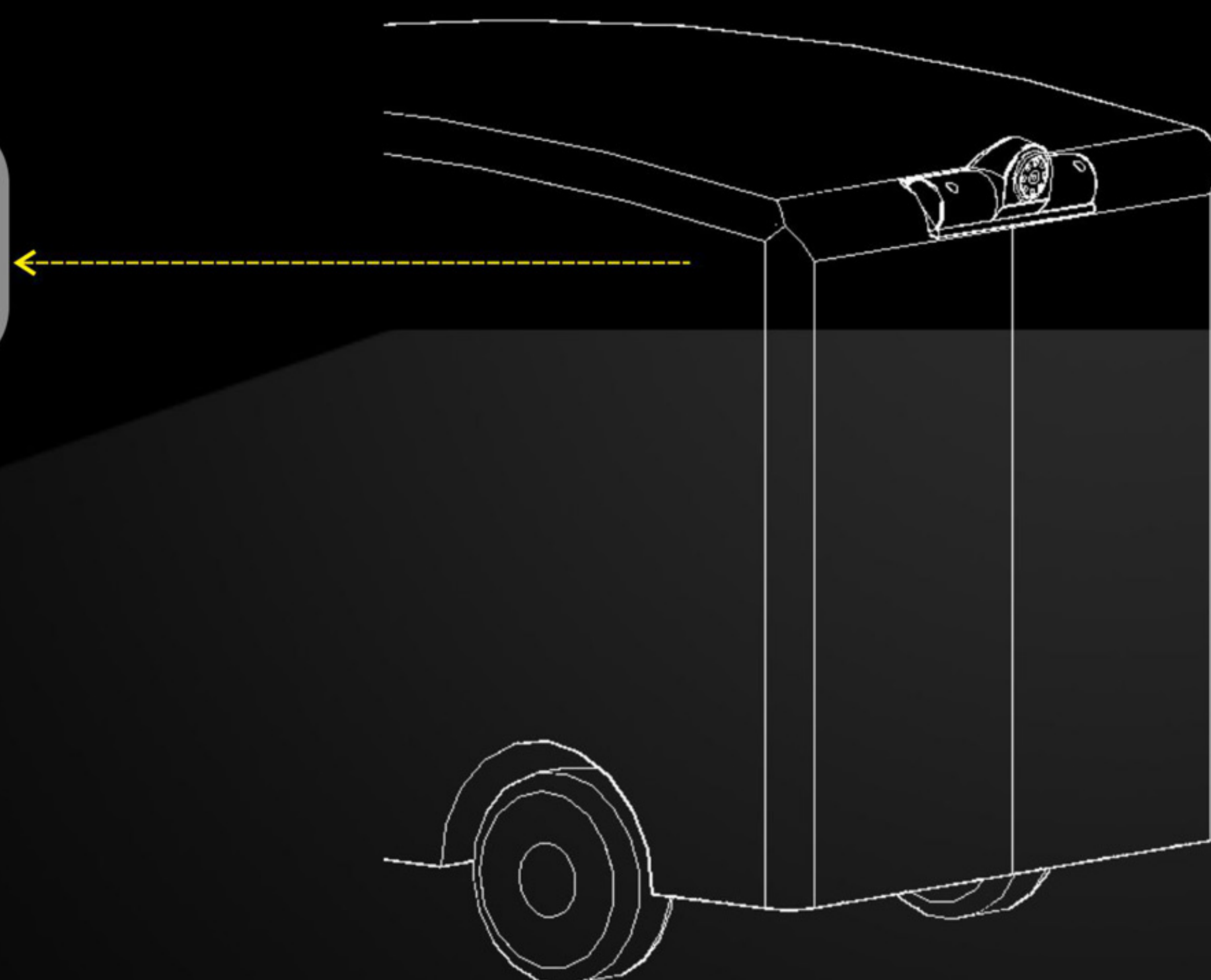


## Basic Operation:

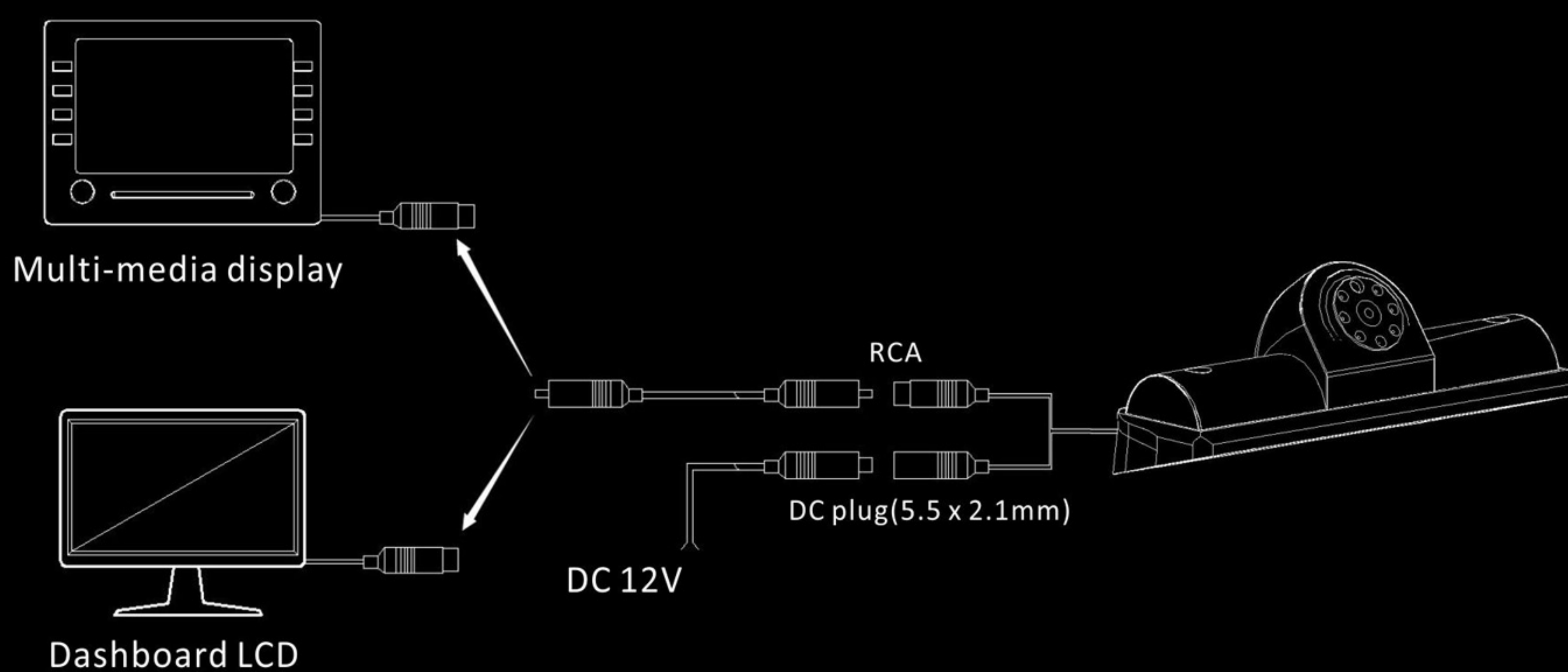
Step 1: Remove the original 3rd brake light.



Step 2: Mounting the Brake Lights Camera as below diagram.



## Wiring Diagram:



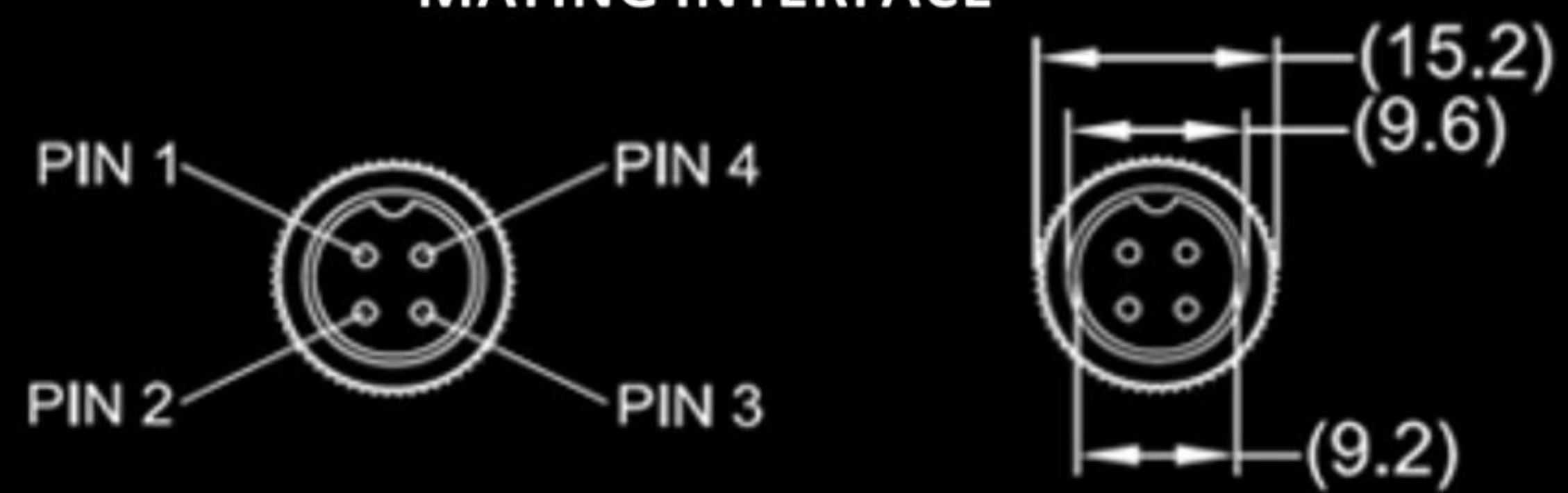


## Connector Definition:



**M12 4 pins Aviation Female Connector**

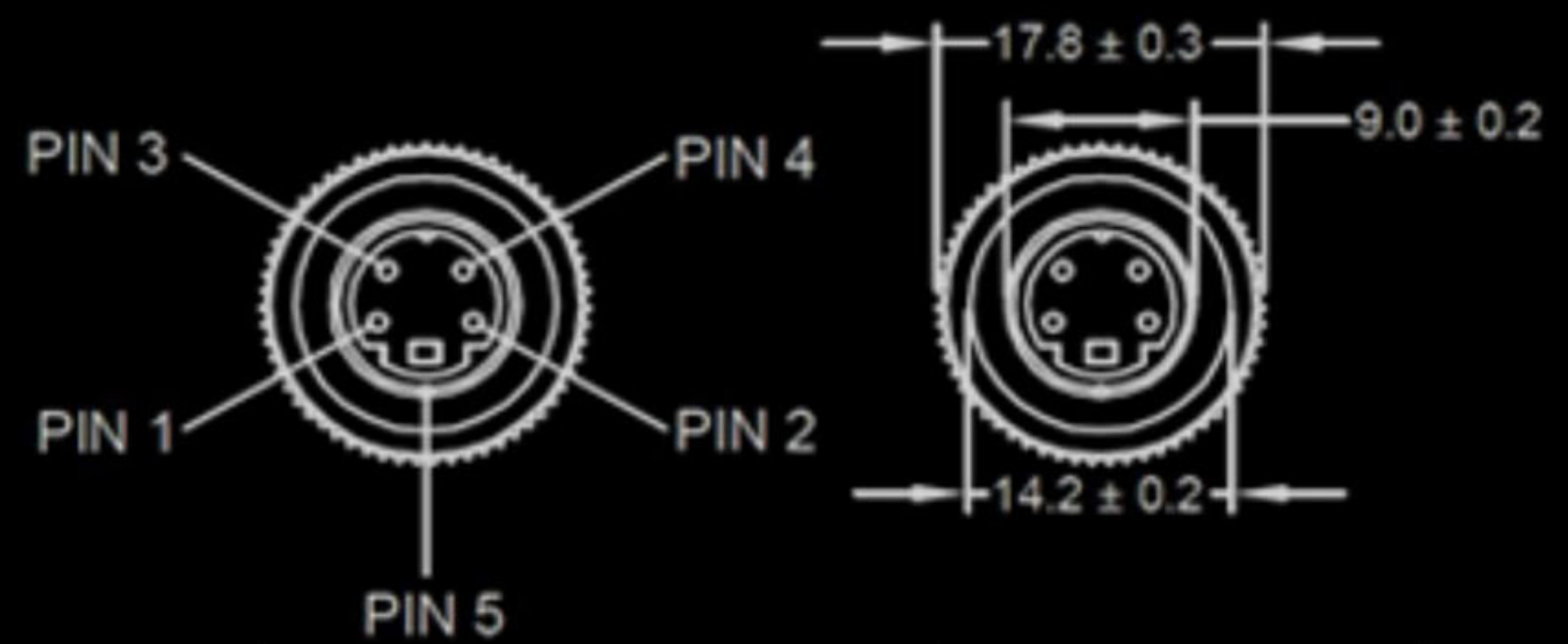
### 4PIN FEMALE MATING INTERFACE



| PIN# | WIRE COLOR   | DESCRIPTION |
|------|--------------|-------------|
| 1    | RED          | +12V        |
| 2    | BLACK/SHIELD | GND         |
| 3    | WHITE        | AUDIO       |
| 4    | YELLOW       | VIDEO       |



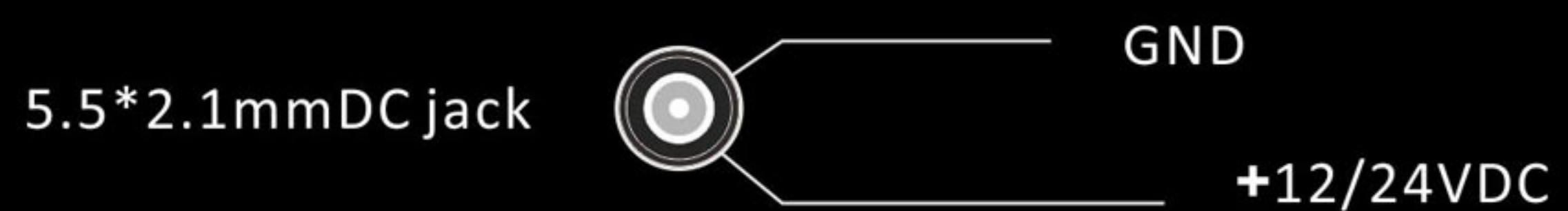
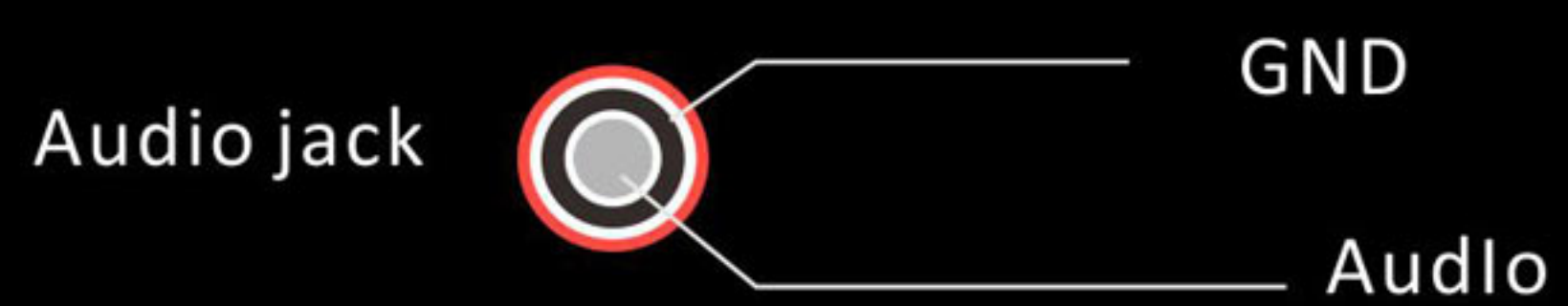
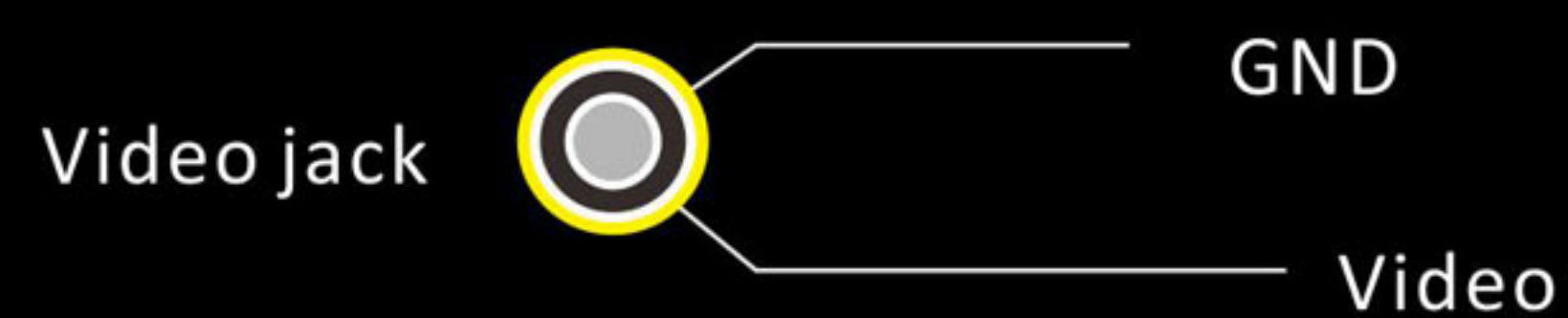
**S-Video 4-pin Aviation Male Connector**



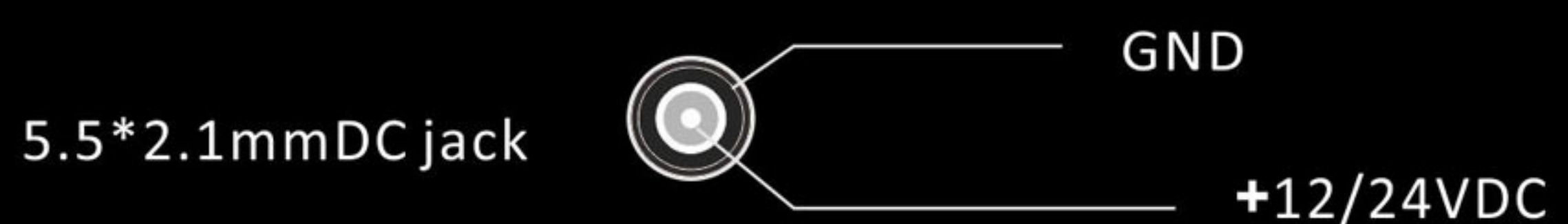
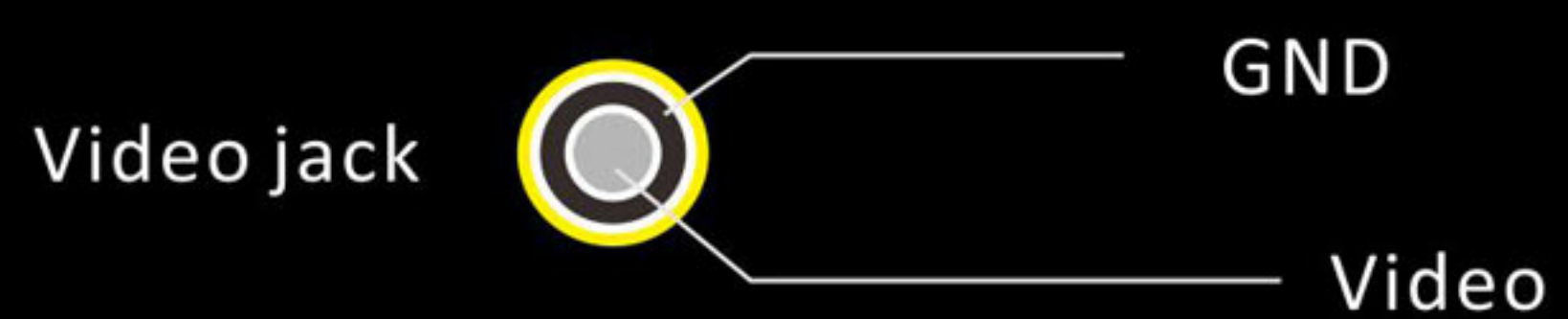
| PIN# | WIRE COLOR   | DESCRIPTION |
|------|--------------|-------------|
| 1    | YELLOW       | VIDEO       |
| 2    | RED          | +12V        |
| 3    | BLUE         | N.C         |
| 4    | WHITE        | AUDIO       |
| 5    | BLACK/SHIELD | GND         |



**RCA + DC**

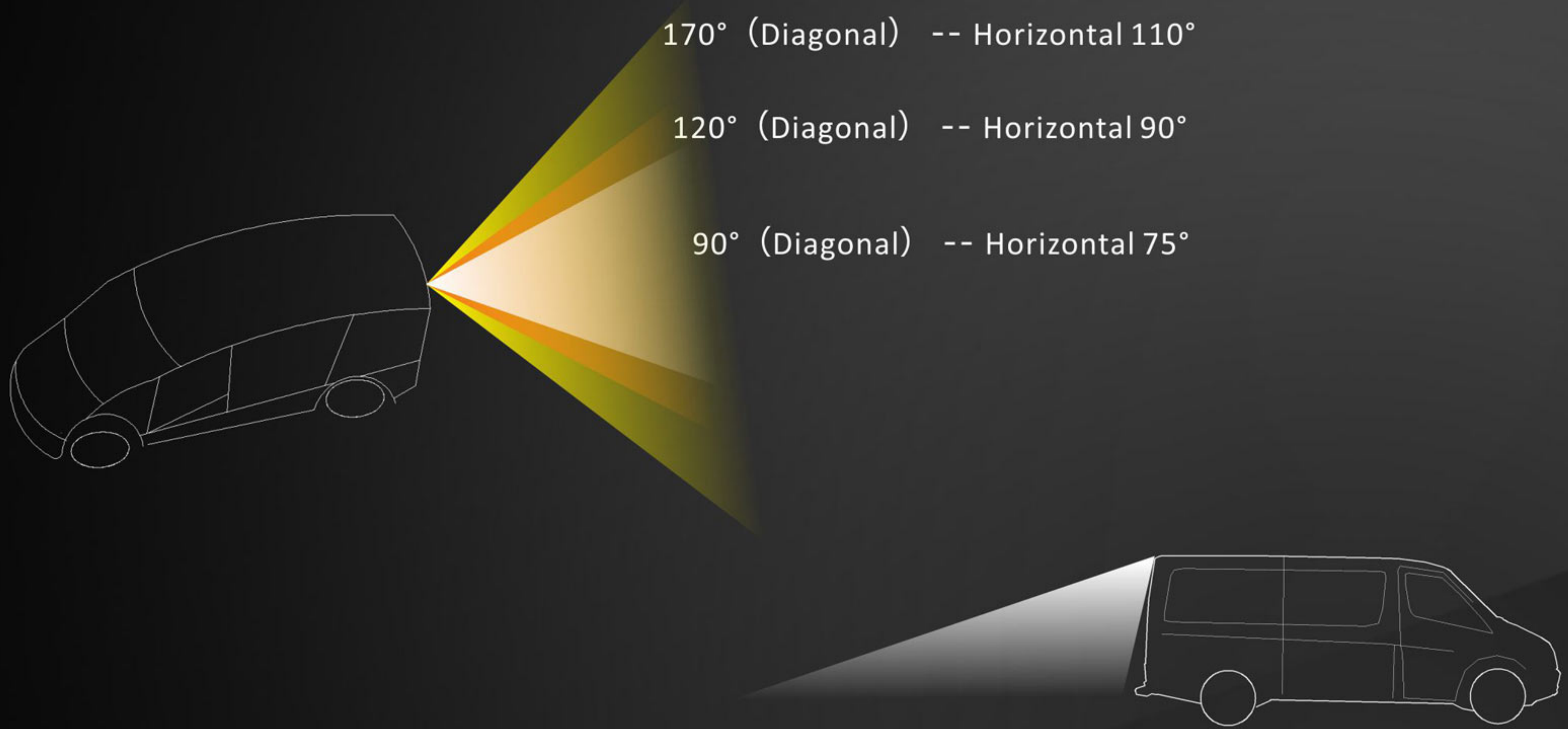


**BNC + DC**

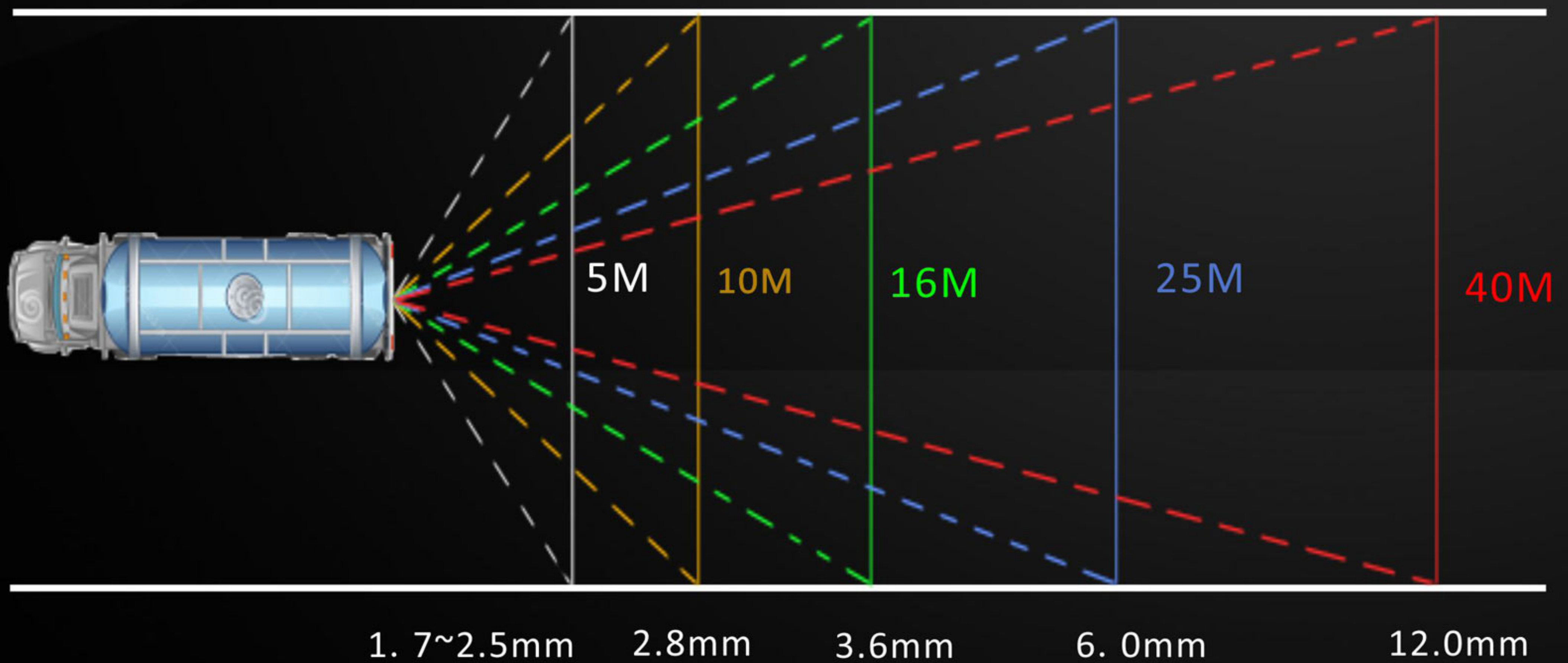




## View Angle & Lens:



|               |      |     |     |     |     |
|---------------|------|-----|-----|-----|-----|
| View angle    | 105° | 80° | 75° | 50° | 25° |
| View distance | 5M   | 10M | 16M | 25M | 40M |





## Order code:

| Sensor type                                                | Order code       |
|------------------------------------------------------------|------------------|
| 1/3" CMOS PC3089 N:728 x 488pixels P:720 x 480 pixels      | 1                |
| 1/4" Sharp CCD 420TVL N:510 x 492pixels P:500 x 582 pixels | 2                |
| 1/4" SONY CCD 420TVL N:510 x 492pixels P:500 x 582 pixels  | 3                |
| 1/3" SONY CCD 480TVL N:752 x 494pixels P:752 x 582 pixels  | 4                |
| 1/3" SONY CCD 580TVL N:752 x 494pixels P:752 x 582 pixels  | 5                |
| 1/3" SONY CCD 650TVL N:976 x 494pixels P:976 x 596 pixels  | 6                |
| 1/3" SONY CCD 700TVL N:976 x 494pixels P:1020 x 508 pixels | 7                |
| Optional Function                                          |                  |
| Audio(Microphone built-in)                                 | 0(NO) / 1(Yes)   |
| Heater built-in                                            | 0(NO)            |
| Reference Line Switch(only for CMOS sensor)                | 0(NO) / 1(Yes)   |
| Connector:4PIN/RCA/S-video/BNC                             | 1 / 2 / 3 / 4    |
| Voltage                                                    | 12               |
| Color                                                      | 0(original)      |
| TV system                                                  | P(PAL) / N(NTSC) |

## Original Code Definition:

|                        |  |                |
|------------------------|--|----------------|
| LC-009C54(#:20012120P) |  |                |
| 1/4" Sharp CCD 420TVL  |  | TV system PAL  |
| NO Microphone          |  | Color original |
| NO Heater              |  | Voltage 12V DC |
| With Switch            |  | RCA connector  |

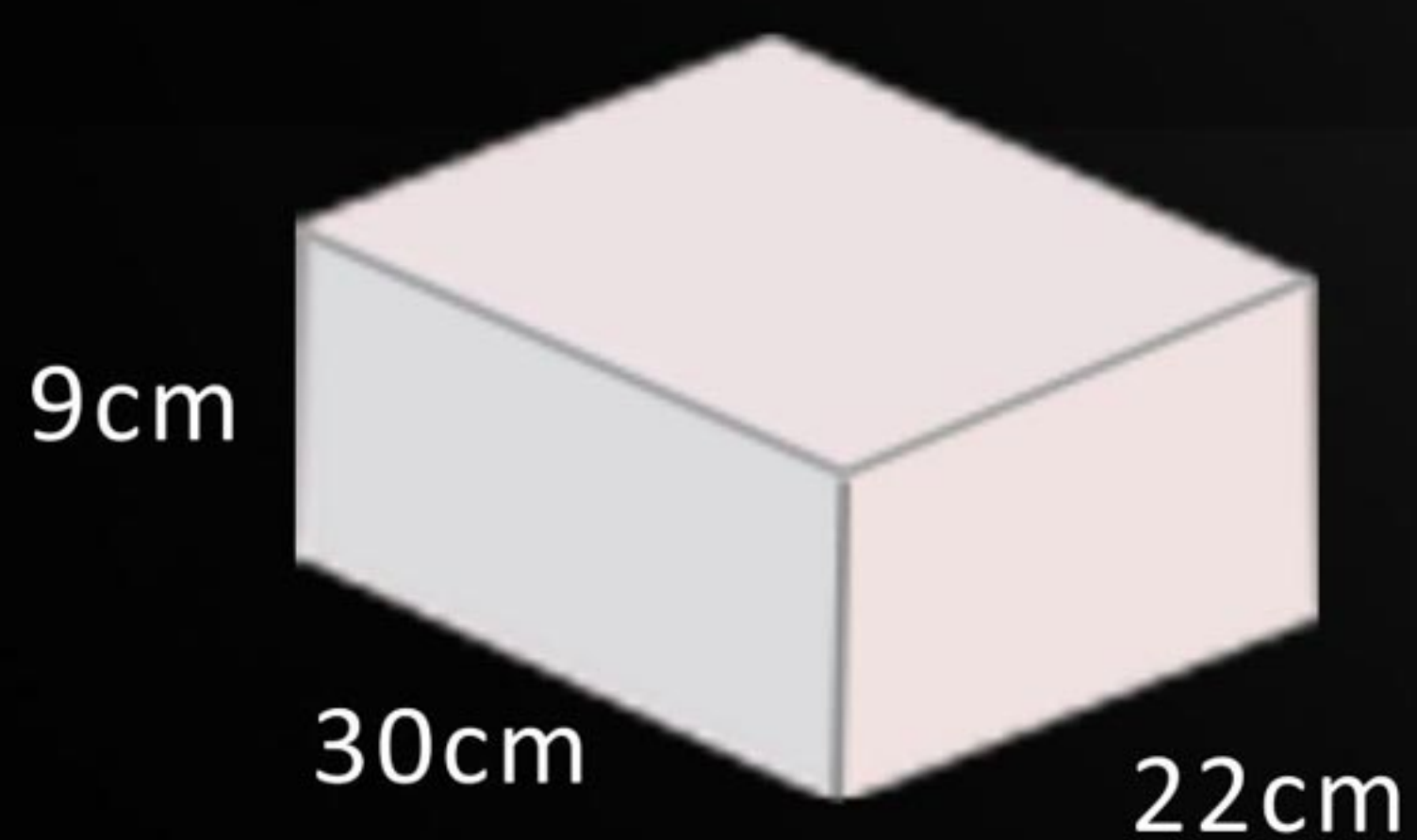


## Packing:

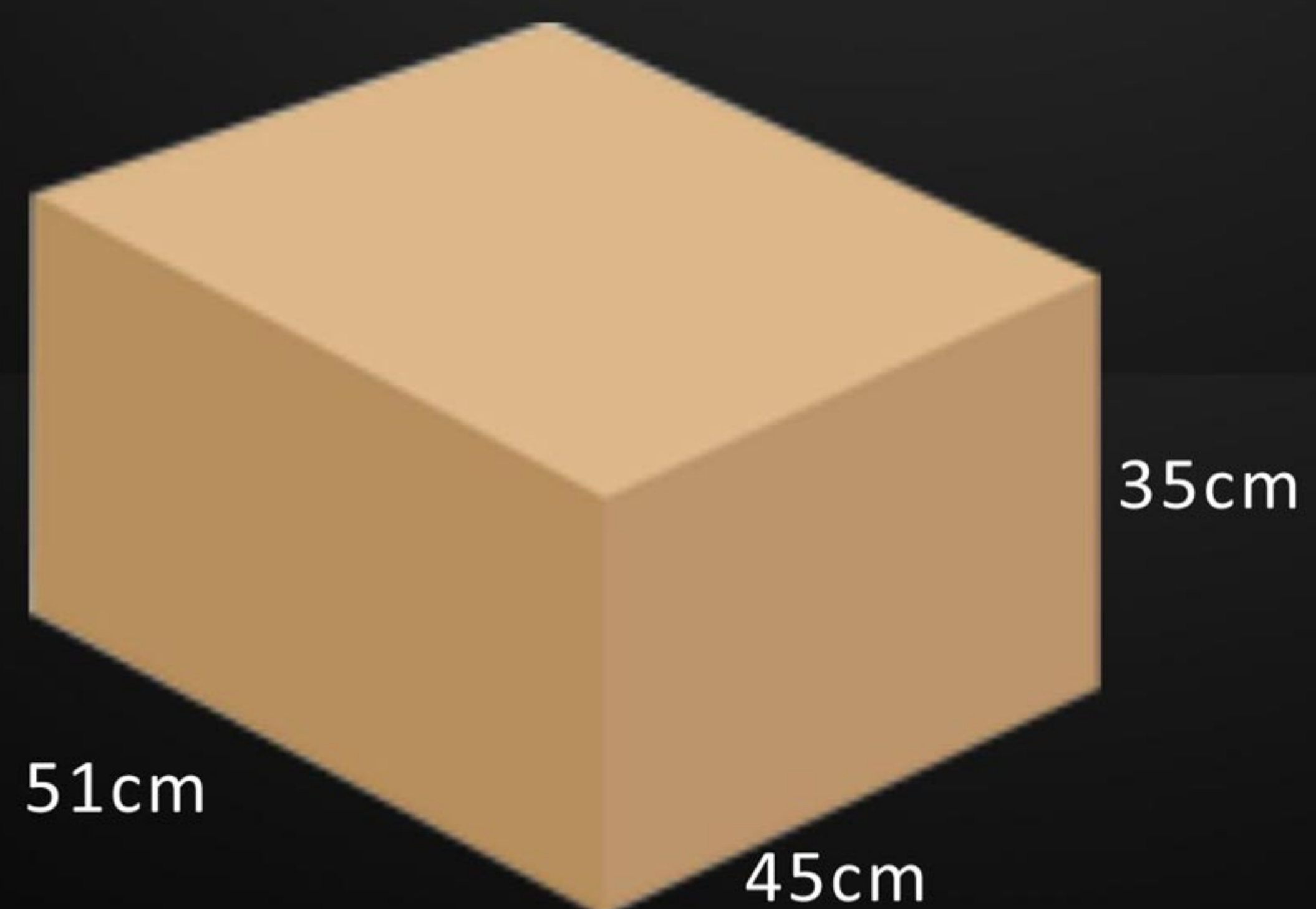
- 1.-Rear view camera x 1pc
- 2.-Extension cable 10meter x 1pc
- 3.-4-Pin to RCA convert cable x 1 pc
- 4.-DC Power wire (5.5 x 2.1mm) x 1pc



## Packing box & carton dimension:



1.3kg/pc



10pcs per carton / Volume weight: 18kg

ADD:3/F, Blcok A8, Kaida Industry Park, Qiaochang Road,Qiaotou , Dongguan , Guangdong,China.



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