POWERFLEET®

PRODUCT SHEET

VIDEO TELEMATICS

# Blindspot Detection Camera

Smarter vision, stronger protection
— built for every road and condition

The **Blindspot Detection Camera** combines advanced pedestrian detection, roadside recognition, and motion trend prediction with intelligent black-light full-color night vision. The exposed lens design minimizes rain and dust interference, while its rugged build meets seismic vehicle standards and achieves the highest IP69K protection rating.

## Advantages

- Support multi interface alarm output (IO, IPC, RS485), multi-level alarm
- AHD PAL/NTSC video output can be set, supporting external displays
- IPC video output, supporting external MDVR and calibration
- Supports GPS, vehicle speed, and turn signal inputs
- Single model suitable for different installation positions
- Diverse combinations of solutions
- Typical applications: blind spot detection for large vehicles, intelligent upgrade of ordinary MDVR

# Technical Specifications

## General

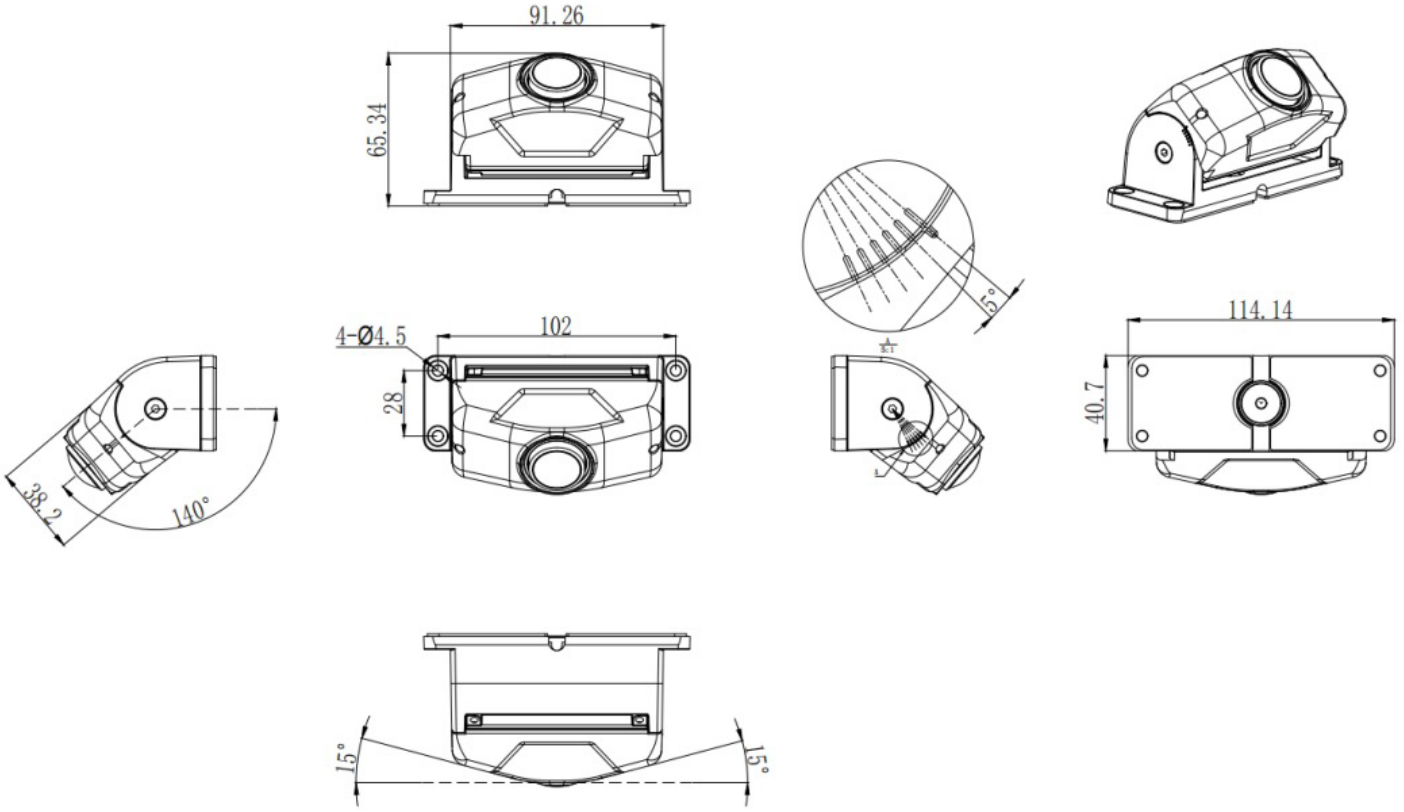
| | |
|---|---|
| Product Model | C46 |
| Sensor | 1/2.8" 2.0MP CMOS |
| Resolution | 1920(H)x1080(V) |
| Minimum Illumination | 0.01Lux |
| Algorithm Illuminance | ≥0.5Lux |
| Electronic Shutter | 1/30s-1/10000s |
| Black-light Compensation | Support |
| Signal-to-noise ratio (S/N) | ≥42dB |
| Fill Light | N/A |
| Lens | Focal length 1.9mm, Aperture F1.9 |
| FOV | HFOV：175° VFOV：92° |
| Analog video output | RS765-4 aviation female connector（By converting lines） |
| Format and resolution | Adjustable support:<br>AHD：PAL 1080P/720P@25FPS、NTSC 1080P/720P@30FPS |
| Digital video output | IPC, RS765-6 aviation female connector（By converting lines） |
| Video coding | H.264/H.265 optional, default H.264 |
| Bit rate | 512Kbps-8Mbps |
| Image Resolution | Main Stream:1080P @ 30fps |
| | Sub Stream:VGA/D1/CIF @ 10FPS  default VGA 10FPS |
| | Net Transmission Stream：Dynamic（Adjustable）° |
| CBR/VBR | Support, Default VBR |
| Audio Compression Standard | N/A |
| UART | RS232*1、RS485*1 |
| Network Port | 10M/100M Adaptive Ethernet Port |
| Audio Input | N/A |
| Audio Capture Range | N/A |

# Technical Specifications (cont'd)

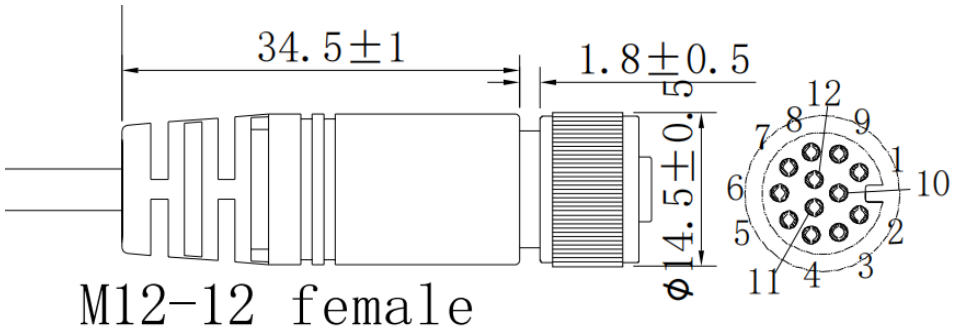
| | |
|---|---|
| Network Protocol | TCP/IP、HTTP、DHCP、NTP、FTP、RTSP |
| N9M | Support |
| Client Preview | Built-in WEB Server and Support IE Browser, HTML5 |
| Simple calibration | Support |
| Adjustable Angle | Adjustable Angle in Vertical Direction: 25~50 Degree, No Adjustment in Horizontal Direction |
| Installation Features | Installed at the Exterior Sides of the Vehicle |
| Operation Temperature | -40°C- ＋70°C |
| Operation Humidity | 0% - 90% |
| Power Supply | PON（DC9-16V）（By converting lines） |
| Waterproof Class | IP69K |
| Power Consumption | Normal Working State <4W |
| Dimension(Unit in mm) | 114.14mm(L)x40.7mm(W)x65.34mm(H) |

# Technical Specifications (cont'd)

## Dimension(Unit in mm)




## Tail line definition

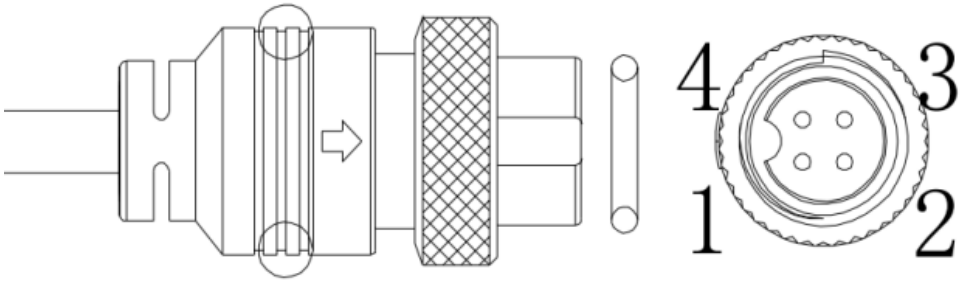



6 RX-
5 RX+
4 TX-
3 TX+
8 GND
10 12V IN
2 232TX
1 232RX
9 485B
11 485A
外壳
7 V-GND
12 VIDEO

# Technical Specifications (cont'd)

## Dimension(Unit in mm)

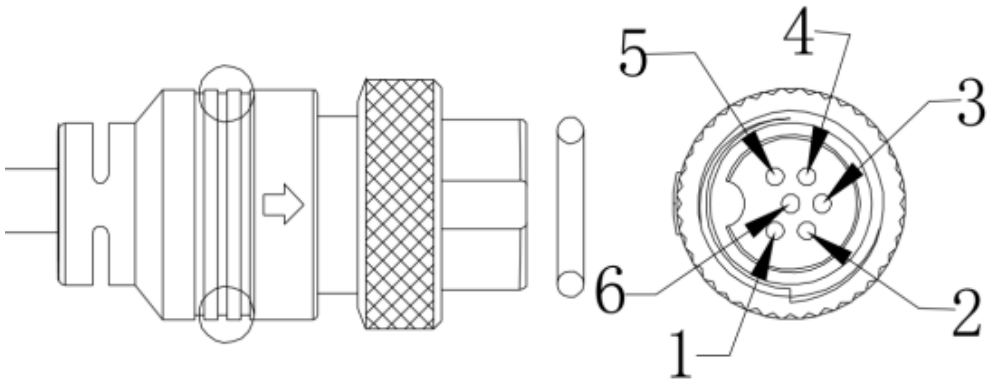
### Analog video output interface (By converting lines)




RS765-4 female

1 12V IN
2 VGND
4 VIDEO
2 GND

### Digital video output interface (By converting lines)



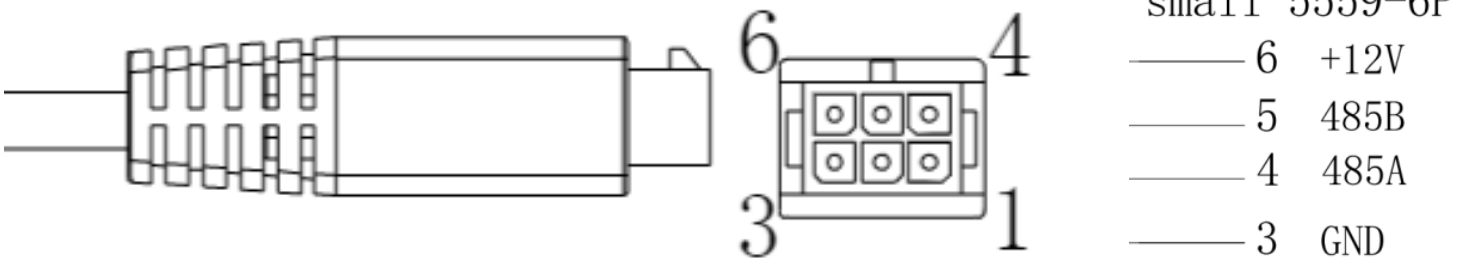

RS765-6 female

4 RX-
5 RX+
1 TX-
2 TX+
6 GND
3 12V IN

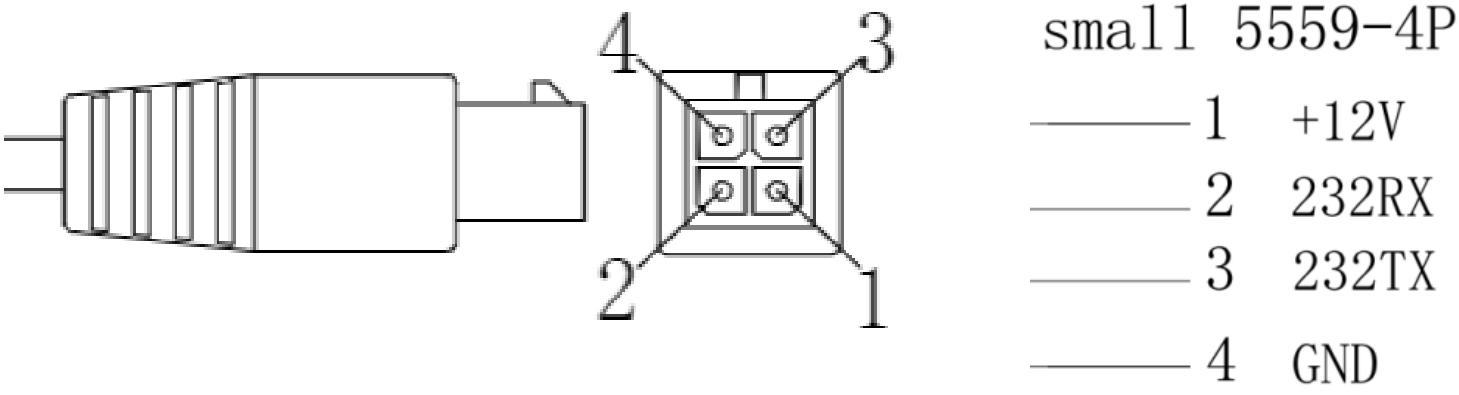
# Technical Specifications (cont'd)

## Dimension(Unit in mm)

### Alarm output interface (By converting lines)




### Signal box connection interface (By converting lines)

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