



Josefina Pan
Pacific Limited



2026
March

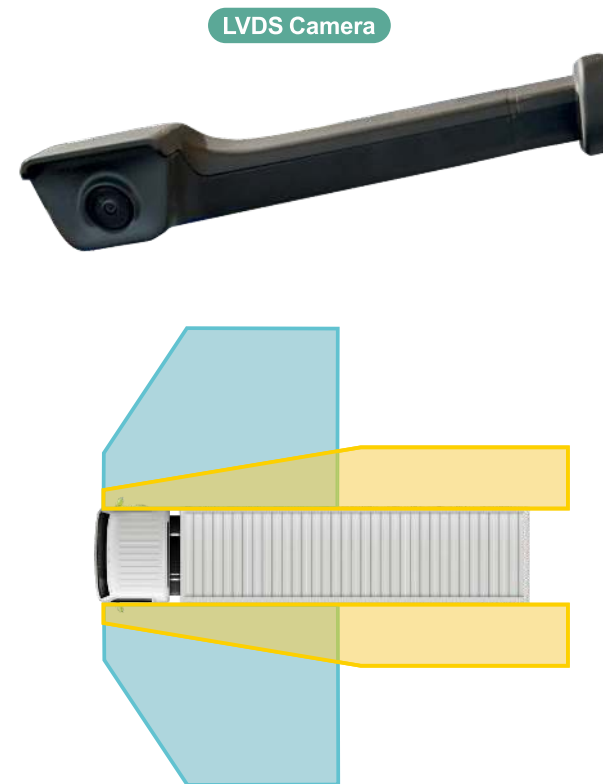
Driving the Future of Vehicle Safety

Integrated Radar, Vision and Display Systems



12.3" & 15" Electronic Rearview Mirror Digital Solution

- LVDS coaxial signal output, ultra-low latency
- Support LED anti flicker (LFM) function
- Supports high width dynamic (WDR) function, with a dynamic range of up to 120dB
- Lens heating and defogging design



- R46 Class II
- R46 Class IV

M-CMLV123MQ

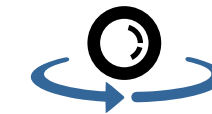
Screen Size	12.3"/ 15" TFT LCD Panel
Resolution	1920 x 720
Display Brightness	1000 cd/m ²
Video Output	LVDS
Power Voltage	DC 9-32V

C-CTLV863

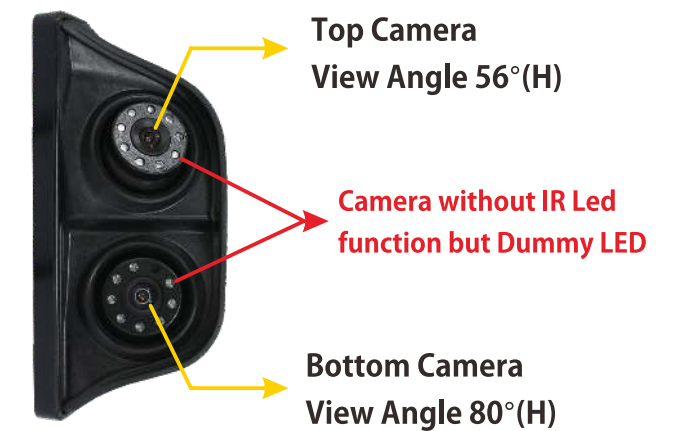
Image Sensor	SONY
Resolution	1920 x 1536
Viewing Angle	118° (H) + 92° (V)
Signal Input	GMSL
WDR	≥120dB
Waterproof Rating	IP69K

12.3" Camera Monitoring System (CMS)

UNECE R10 & R46 Class II & IV Approved



Rotatable / Adjustable Lens



M-CM123UMQ/A



Support up to 256GB TF Card

Screen Size	12.3" IPS Panel
Resolution	1920 x 720
Display Brightness	700 cd/m ²
Video Input	2 AHD
Power Voltage	DC 12-36V

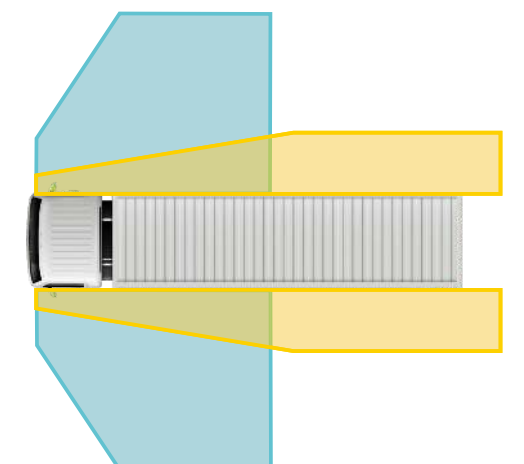
C-CT203/A

ID patent: 008127286

Image Sensor	1/3" SONY 225
Resolution	1920 x 720
Viewing Angle	Top 56° (H) + Bottom 80° (H)
Power Voltage	DC 12V
Waterproof Rating	IP68



- Top Camera R46 Class II
- Bottom Camera R46 Class IV



Thermal IR Camera

SoC System on Chip



FPGA Field-Programmable Gate Array



SPEC	SoC	FPGA
Detector Type	Vox	Vox
Resolution	640x512	640x512
Pixel Pitch	12μm	12μm
NETD(mk)	≤ 40mk (@F/1.0, 300k)	≤ 40mk (@F/1.0, 300k)
Frame Rate	Typ. 30Hz	PAL:25Hz (progressive) 50Hz (interlaced) NTSC:30Hz (progressive) 60Hz (interlaced)
Output	USB 2.0	CVBS
Weight	<34g (core without lens)	<34g (core without lens)
Dimension	21 x 21 x 25mm (core without lens)	20 x 20 x 38mm (core without lens)
Lens	AX-TFP THE02/USB 9mm (HFOV 48.8°)	AX-TFP THE02F 9mm (HFOV 46.21°)
	AX-TFP THE02/25-USB 19mm (HFOV 23.2°)	
	AX-TFP THE02/32-USB 13.4mm(HFOV 32°)	AX-TFP THE02F/62 6.8mm (HFOV 62°)

PSS Progressive Safe System in comply with New DVS 2024 Requirements



BSD-CSC77G-BM180

MOIS Radar

Working Voltage	DC 12V/24V
Working Frequency	77GHz
Antenna Type	4TX, 4RX
Detection Angle	180°(H)
Distance Accuracy	0.13M

BSIS Radar

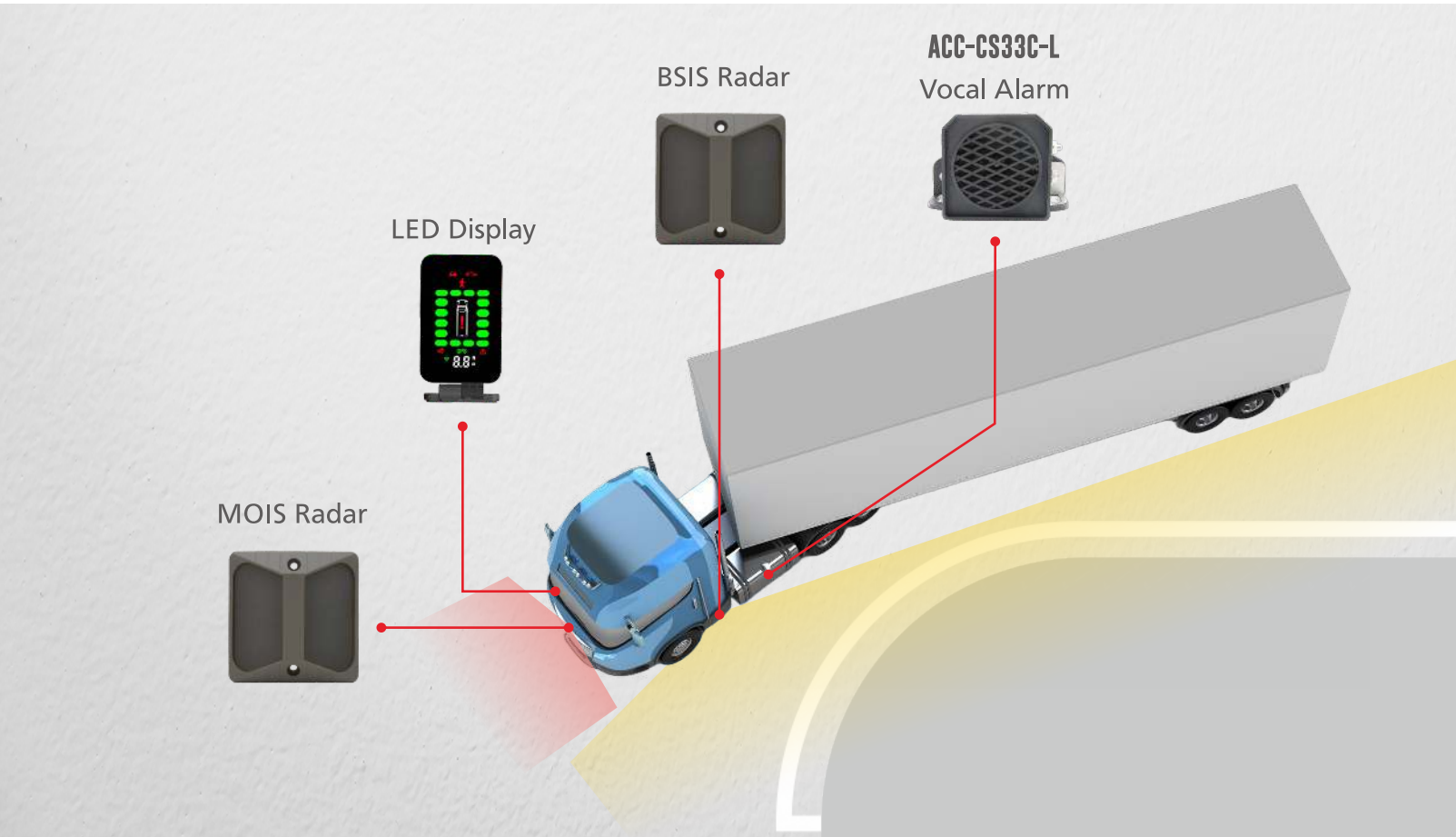
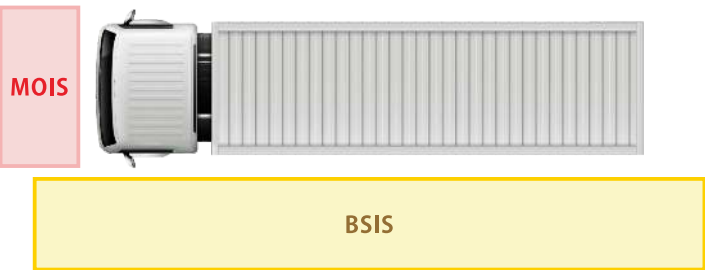
Working Voltage	DC 12V/24V
Working Frequency	77GHz
Antenna Type	4TX, 4RX
Detection Angle	180°(H)
Distance Accuracy	0.13M

LED Display

Working Voltage	DC 12V/24V
Volume	≥90dB@12V/10cm

OPTION Vocal Alarm

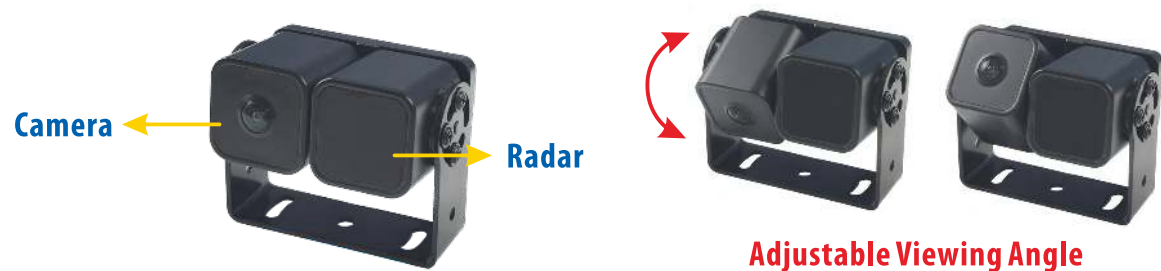
Working Current	<600mA@12V
Frequency	500Hz - 7000Hz
Volume	97±4dB@
Working Voltage	DC 12V-24V





Solution 1

AIO Integrated Camera & Radar + 7" Monitor



Camera

Image Sensor	1/2.9" GC2053
Resolution	1920 x 1080
Viewing Angle	150° (D)
Power Voltage	DC 12V
Waterproof Rating	IP68

Radar

Working Voltage	DC 12V/24V
Working Frequency	77GHz
Antenna Type	4TX, 4RX
Detection Angle	130°(H)
Distance Accuracy	0.1M

Monitor

Screen Size	7" Digital Panel
Resolution	1024 x 600
Format	16:9
Brightness	400 cd/m ²
Video Input	4 Video in
Power Voltage	DC 12-32V

05 06



Solution 2

77GHZ Radar + AI Camera + 7" Monitor



AI Camera

Image Sensor	1/2.9" GC2053
Resolution	1920 x 1080
Viewing Angle	150° (D)
Power Voltage	DC 12-32V
Waterproof Rating	IP68

Radar

Working Voltage	DC 12V/24V
Working Frequency	77GHz
Antenna Type	2TX, 4RX
Detection Angle	140°(H)
Distance Accuracy	0.2M

Monitor

Screen Size	7" Digital Panel
Resolution	1024 x 600
Format	16:9
Brightness	400 cd/m ²
Video Input	4 Video in
Power Voltage	DC 12-32V



Solution 3 Radar + Camera + 7" Monitor + Trailer Coil Cable

for Tractor & Trailer

7
INCH



4CH Monitor



Right Radar



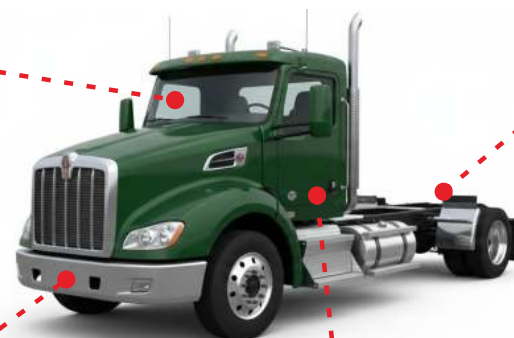
Right Camera



Trailer Cable



LED Display



Front Radar



Left Radar



Left Camera



Rear Radar



Rear Camera

Radar

Working Voltage	DC 12V/24V	DC 12V/24V
Working Frequency	77GHz	77GHz
Antenna Type	1TX, 4RX	4TX, 4RX
Detection Angle	150°(H)	180°(H)
Distance Accuracy	0.1M	0.13M

Monitor

Screen Size	7" Digital Panel
Resolution	1024 x 600
Format	16:9
Brightness	400 cd/m²
Video Input	4 Video in
Power Voltage	DC 12-32V

Camera



Trailer Coil Cable

OE Plastic connector



Solution 4 Radar + Camera + 7" Monitor

for Truck/Fleet/Van/Forklift

7
INCH



4CH Monitor



LED Display



Right Radar



Right Camera



Front Radar



Left Radar



Left Camera



Rear Radar



Rear Camera

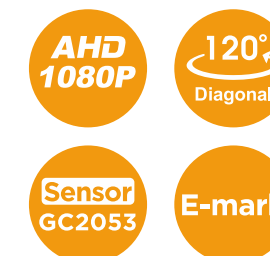
Radar

Working Voltage	DC 12V/24V	DC 12V/24V
Working Frequency	77GHz	77GHz
Antenna Type	1TX, 4RX	4TX, 4RX
Detection Angle	150°(H)	180°(H)
Distance Accuracy	0.1M	0.13M

Monitor

Screen Size	7" Digital Panel
Resolution	1024 x 600
Format	16:9
Brightness	400 cd/m²
Video Input	4 Video in
Power Voltage	DC 12-32V

Camera





Solution 5 Forward View-High Obstacle Detection

Tailor-made
for Truck/Fleet/Van/Forklift



Solution 7 Port Docking Ramp

Smart Radar, Safeguarding Every Port Docking Operation

- Real-time distance measurement & alerts
- All-weather operation (rain, fog, night)
- Reduced collision damage and maintenance costs
- Faster docking, higher operational efficiency



Radar

Working Voltage	DC 12V/24V
Working Frequency	77GHz
Antenna Type	1TX, 4RX
Detection Angle	150°(H)
Distance Accuracy	0.1M



Solution 6 Rear Top & Bottom Radar Detection

Tailor-made
for Truck/Fleet/Van/Forklift





Solution ⑧ Radar+2.4G Wifi Transmission

11 12

- 2.4G wireless transmission, easier installation process
- Suitable for both on and off road applications
- Detection length and width settable
- High volume 90dB for noisy working environment
- Identify motion or motionless objects

BSD-CSC77G/TRX-R1



LED Display



2.4G WiFi Box



Radar

Working Voltage	DC 12V/24V
Working Frequency	77 GHz
Antenna Type	2TX, 4RX
Detectability	50M
Detection Angle	150°(H)
Detection Distance Accuracy	0.1M

WiFi Box

Working Frequency	2.4 GHz
Transmit Power	26.5-27.5 dBm
Communication Level	3.3V
Communication Protocol	UART
Supply Voltage	2.5-5.5V
Antenna type	IPEX



Radar Sensor



2.4G WiFi Box

LED Display

Working Voltage	DC 12V/24V
Volume	≥90dB@12V/10cm

AI Camera

C-C21AIB/HD



C-C718AIB/HD



C-C5880AIB/HD



C-C611AIB/HD



C-CA11B/HD



C-C223AIB/HD



C-CQ56AIB/HD



C-C103AIB/HD

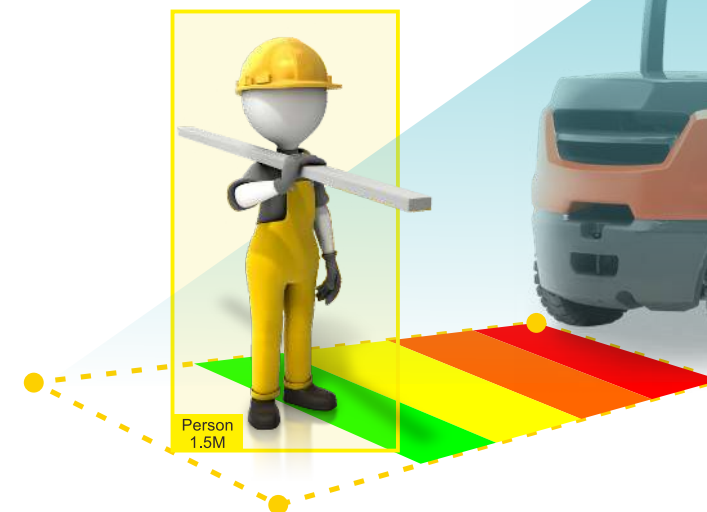


AI Camera Remote

AI Camera

Image Sensor	1/2.9" GC2053
Resolution	1920 x 1080
Viewing Angle	150° (D)
Power Voltage	DC 12-32V
Waterproof Rating	IP68

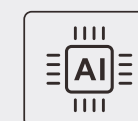
Image Ranging



Pedestrians, vehicles, cats, dogs, traffic cones detection



Remote control adjust camera output format



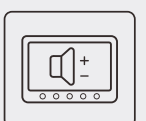
Built-in AI algorithm



Adjust the detection area by remote control



Wide voltage design (12V-32V)



Voice chip design enables monitor adjust the volume

2.4GHz Digital Wireless Camera & Monitor Safety System



13 14

2.4GHz Digital Wireless Camera



MTR-CM729WKDQF4/A



Forklift Camera

Image Sensor	1/4" PC4109
Resolution	CVBS
View Angle	45° (H) / 75°(D)
IR LED	2 LEDs
Power Voltage	DC12-48V
Waterproof Rating	IP68
Built-in Battery	9600mAh

Monitor

Screen Size	7" Digital Panel
Resolution	1024 x 600
Display Format	16:9
Brightness	600 cd/m²
Video Input	4 Video in
Power Voltage	DC 12-48V
Built-in DVR	Support up to 128GB

C-C902MTX/A



C-C902MBTX/A



C-C902MMTX/A



C-C902MSPTX/A



C-C902MSPTX/A-M



Magnet Base



Built-in Battery



Magnet Base



Magnet Base



Built-in Battery



Solar Charging Panel



Metal Plate



Built-in Battery



Solar Charging Panel

C-C802MTX/A



C-C802MBTX/A



C-C802MMTX/A



C-C802MSPTX/A



C-C802MSPTX/A-M



C-C616MTX/A



Magnet Base



Built-in Battery



Magnet Base



Magnet Base



Built-in Battery



Solar Charging Panel



Metal Plate



Built-in Battery



Solar Charging Panel



Side View

Wireless Camera

Image Sensor	1/3" CMOS
Resolution	1280 x 720
Viewing Angle	115° (D)
Power Voltage	DC 12-48V
Waterproof Rating	IP68

Wireless Camera with Battery Pack

Image Sensor	1/3" CMOS
Resolution	1280 x 720
Viewing Angle	115° (D)
Power Voltage	DC 12V
Waterproof Rating	IP68

UWB Proximity Warning Alert System



Base Station

CUWB-TX



Tag

CUWB2-RX



Optional

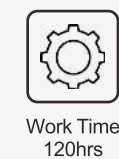
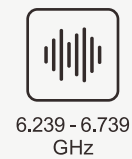
Warning Light

CUWB-WL



Hand Setting Tool

CUWB-M



- Ultra wide band frequency range 6.239 -6.739 GHz
- Built-In antenna
- Built-In battery 1200mAH
- Work time 120hrs
- Effective range 0-100m
- Operation Voltage 12V/24V
- Working Temperature 40°C~+80°C
- Available 60 ID (works)



Forklift

Mining Machinery / Excavator

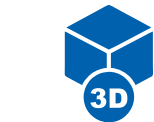
Airport Ground Vehicles

Factory

Crane

Construction Truck

360° AVM System 3D Auto-calibration


True 3D
Display Mode

Auto-calibration
from a sequence
of image

Option BSD
Function

DC-CAVM180/HD (E24)



C-CAVM3688/HD (E24)



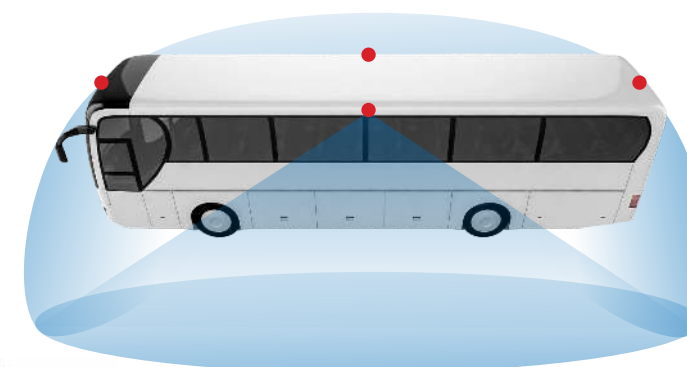
C-CAVM1801/HD (E24)



C-CAVM818/HD (E24)



C-CAVM905/HD (E24)



AVM Box

Input Image	720P/1080P / CVBS
Video Output	CVBS/AHD/VGA
Operating Voltage	DC 9.5V-36V
Operating Temperature	-30°C~70°C
Storage Temperature	-40°C~105°C

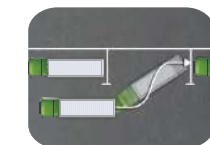
AVM Camera

Image Sensor	1/2.9" GC2053
Resolution	1920 x 1080
Viewing Angle	180° (H)
Power Voltage	DC 3-3.6V
Waterproof Rating	IP69K

Standard cable length for vehicles

Front	3.5M
Left/Right/Rear	13.5M

Application Scenario



Side Parking



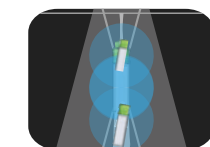
Reverse Stall Parking



Narrow Road



Steep Hillside



No Blind Zone



Turn Assist



Heavily Trafficked Road



Recording

AHD Digital System (Monitor and Camera)



LVDS Digital Camera



Smallest 1080P Camera



1080P Waterproof Camera with IR LED



Auto-Shutter Camera with IP Rating 68

