

Choose Certified Safety Solution, Choose PJ-AUTO.







PRODUCT CATALOGUE 2024

Asia's leading supplier of blind spot safety solution











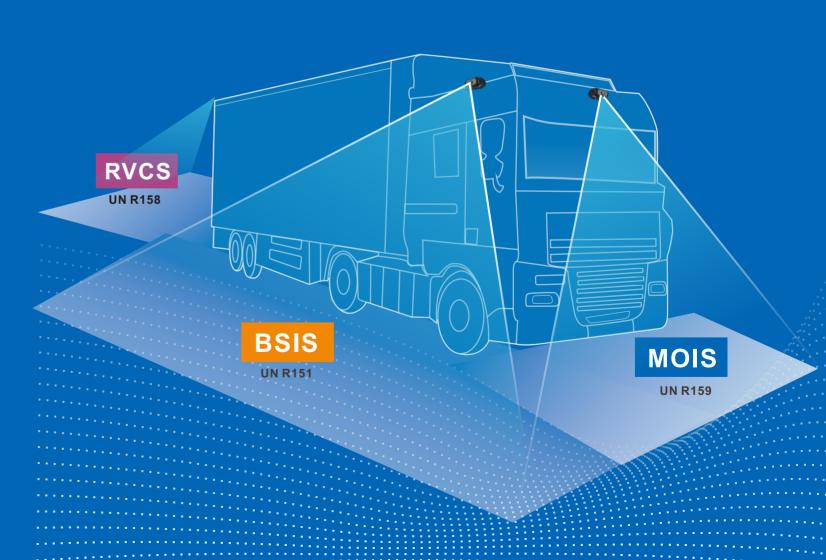
GUANGZHOU PJ-AUTO ELECTRONIC TECH LTD.

- **** +86-20-31520230
- www.pjautotech.com
- Add:2/F~5/F,10th Building,#1 Hulian 2nd Road,YongXing Auto Parts Zone, Taihe Town, Baiyun District, Guangzhou China



www.pjautotech.com





COMPANY PROFILE







16949
Automotive QMS Certification





Product Patent



International Certificates



Project Experience









ABOUT PJ-AUTO

PJ-AUTO is Asia's leading supplier of blind spot safety solution for commercial vehicles and industrial equipments. Founded in 2009, we have organized and trained a professional team with senior engineering and solid management backgrounds, 30% of our staff have a university degree and over 40% have 10+ year automotive electronics industry experience. We are officially awarded as a "National High-Tech Enterprise" and certified with IATF16949:2016 quality management system. "Highest standards of quality and integrity" is the principle we hold in pursuit of our primary goal of "Customer success".

Our Mission

Eliminate blind spot hazards to create a safer road and workplace for the world.

Core Values

- · Stick to the right path
- Embrace innovation
- Strive for continuous improvement
- Adopt a long-term perspective,
- Ensure the fulfillment of our mission

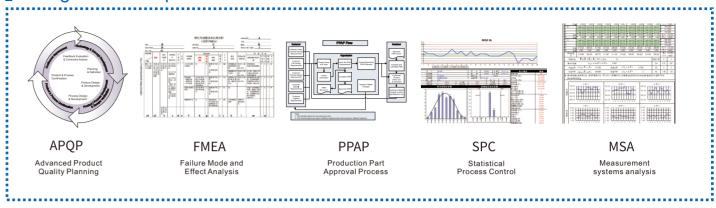
Our Vision

Dedicating to safety field for at least 50 years to have an international brand strongly built, a talent team of industry experts cultivated, and a group of international partners become leaders in their local market.

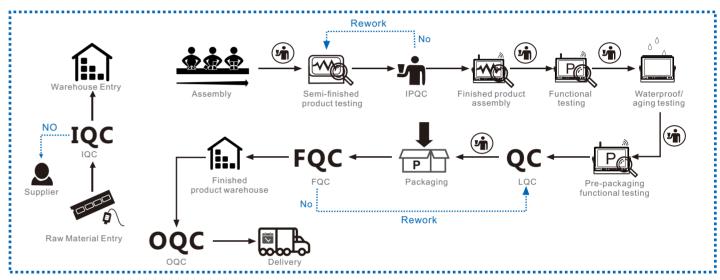
Business Philosophy

- · Always customer first
- Focus on systematic solution
- Adopt international standards
- Be honest and strive for mutual benefits.

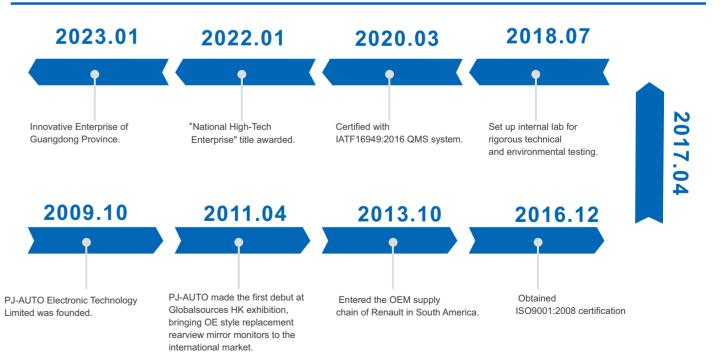
Design& Development Procedure



Quality Control Flow Chart



MILESTONES





15+ YEARS MANUFACTURING EXPERIENCE OF VEHICLE CAMERA MONITOR SYSTEMS

LICENSE AND QUALIFICATIONS







Business License

High-Tech Enterprise

Innovative Enterprise



IATF16949:2016



Intellectual Property



Trademark Registration

PRODUCT CERTIFICATES





PATENTS OF INDUSTRIAL DESIGN



^{*}The above is only a portion of the certifications and patents. PJAUTO obtains 20+ certifications and 30+ patents every year.

APPLICATION INDUSTRY







Logistics Warehousing



Freight&Haulage



Engineering Construction



Public Transportation



Mining Industry



Agricultural



Leisure Industry

More...

CONTENT

Al BSD System	01-10
HD Rear View Monitors	11-17
1080P/720P Cameras	18-24
Radar System	25-27
CMS	28-30
Digital Wireless Camera System	31-38
Al 360° Vision System	39-41
HD M-DVR	42-44
Internal Lab Test	45-46

AI BSD System

- 2-6 CH Smart Al Blind Spot Detection
- AI CAMERA FOR MOIS (UN R159)
- AI CAMERA FOR RVCS (UN R158)
- AI CAMERA FOR BSIS (UN R151)
- Custom Algorithm Al Cameras
- Universal Al Camera









4CH Detection



Visual Alarm







Adjustable Alarm Zone

Video Day/night Vision Recording







Technology Features

- •Powerful Al sensor & big-data feeded algorithm to assure precise detection rate up to 90%, support future upgrade to improve accuracy.
- Support 4-channel simultaneous detection of pedestrians and/or vehicles.
- Both on-screen voice alert & external flashing alarm alert available.
- •Warning zone configurable on menu to adapt specific application
- Customized training support for detection of specific equipments, objects or animals.
- •Applicable on forklift, construction vehicle, truck, etc.

2-6 CH Smart Al Blind Spot Detection



Product specifications

7"/10.1" BSD Monitor System Key Specs

· · · · · · · · · · · · · · · · · · ·			
Solution	AI-2206B	Camera format	AHD 720P/1080P
Computing power	1T-2T	Recording	2/4/6 channel
Detected channels	2/4/6	Compression format	H.264
Detected distance	up to 15-meter	Storage	SD card, up to 128GB
Warning distance	up to 15-meter	Panel	7"/10.1"IPS
External flashing alarm	Optional	Resolution	1024*600
Menu language	Chinese/English/Korean/ Japanese/German/Thai	LCD luminance	500cd/m
Operation method	Push button for 7" \ touch screen for 10.1"	Voltage range	DC12-24V
Video input	2/4/6 channel	Voice language	English/Korean/beeping other language customizable

2-6 CH Smart Al Blind Spot Detection

Setting Interface







Inside the warning zone



Before adjustment







After adjustment

Outside the warning zone

Detection settings







Applicable vehicle type









Forklift

Truck

Agricultural vehicles

vehicle

Construction

A UN R158/159/151



MOIS

MOIS: UN Regulation 159- Moving Off Information System; according to the requirements of the new EU General Safety Regulation (GSR), all newly registered M and N category vehicles from July 2024 must be equipped with systems that comply with EU regulations. The regulation requires active detection cyclist / pedestrians to provide drivers with real-time warning of dangerous situations and visual assistance in blind spots ahead.

RVCS

UN ECE R158 is a regulation to ensure the proper application and effectiveness of retro-reflective markings on heavy and long vehicles. Retro-reflective markings are specialized markings applied to the sides and rear of vehicles to reflect light back to its source, increasing their visibility to other road users.

BSIS

UN Regulation 151 – Blind Spot Information System (BSIS); According to the requirements of the new EU General Safety Regulation (GSR), all newly registered M and N category vehicles from July 2024 must be equipped with systems that comply with EU regulations.

The intelligent vehicle blind side warning system (BSIS) mainly monitors the side blind areas of the vehicle. When a pedestrian or object enters the risk collision zone, the system will actively issue an audible and visual alarm.

Al Camera For MOIS (UN R159)



MOIS

To meet the requirements of MOIS (Moving Object Identification System), PJAUTO has introduced a forward-facing AI camera that supports the detection of pedestrians/cyclists entering a 2-meter range in front of the vehicle from any direction.

PJAUTO's forward-facing AI camera utilizes advanced artificial intelligence technology to accurately detect and recognize pedestrians and cyclists in real-time. By employing computer vision algorithms and machine learning techniques, the camera can perform target identification and tracking to provide reliable forward monitoring.



Product specifications	
Solution	AI-2207
Computing Power	0.5T/1T
Detected Objects	Cyclists, Pedestrians
Recognition Distance	6 Meters
Warning Distance	Up to 6 Meters
Alarm	Beep Sound/Voice (language customizable)
Effective Pixel	1288(H)*968(V)
Video Signal	AHD
Frame Rate	25f/s / 30f/s
Power Supply	DC 12-24V
Visual Angle	160°(H)/80°(V)
Waterproof Grade	IP68
Working Temperature	- 20°C - +70 (stable)

O.F

Al Camera For RVCS (UNR158)



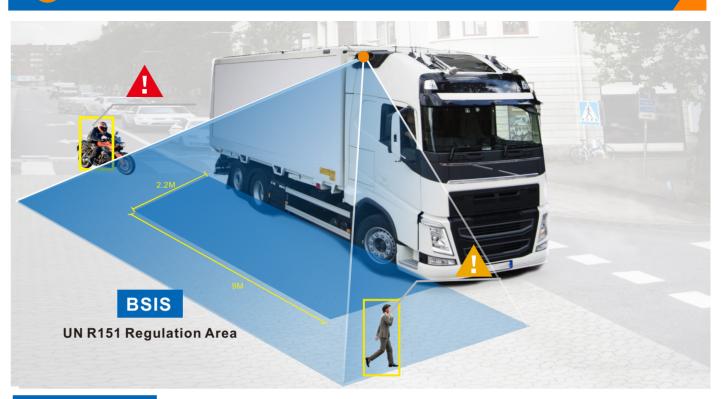
RVCS

The specifically trained Al algorithms in the backup camera is to analyze the camera feed in real-time to detect VRUs such as pedestrians, cyclists, and motorcyclists, and provide visual and audible warnings; when a VRU is detected within 3.5 meters behind the vehicle, the Al-based backup camera can trigger a timely warning system using visual and audible alerts, helping to prevent accidents and collisions with VRUs.



Product specifications		
Solution	AI-2207	
Computing Power	0.5T/1T	
Detected Objects	Cyclists, Pedestrians	
Recognition Distance	10 Meters	
Warning Setting	3.5 Meters (customizable)	
Alarm	Beep Sound/Voice (language customizable)	
Effective Pixel	1288(H)*968(V)	
Video Signal	AHD	
Frame Rate	25f/s / 30f/s	
Power Supply	DC 12-24V	
Visual Angle	105°(H)/55°(V)	
Waterproof Grade	IP68	
Working Temperature	- 20°C - +70 (stable)	

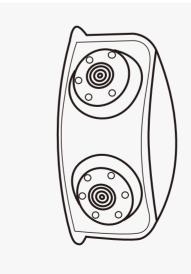
Al Camera For BSIS (UN R151)



BSIS

PJAUTO has configured AI cameras based on the requirements of BSIS (Blind Spot Information System) to detect and recognize pedestrians/cyclists entering a range of 2.2 * 9 meters from any direction adjacent to the vehicle's side.

By utilizing advanced AI technology, the AI cameras deployed by PJAUTO are capable of accurately detecting and identifying pedestrians and cyclists in real-time. These cameras employ computer vision algorithms and machine learning techniques to analyze the captured video footage and distinguish between different objects on the side of the vehicle.



Product specifications		
Solution	AI-2207	
Computing Power	0.5T/1T	
Detected Objects	Cyclists, Pedestrians	
Recognition Distance	11 Meters	
Warning Distance	Up to 11 Meters	
Alarm	Beep Sound/Voice (language customizable)	
Effective Pixel	1288(H)*968(V)	
Video Signal	AHD	
Frame Rate	25f/s / 30f/s	
Power Supply	DC 12V-24V	
Visual Angle	160°(H)/80°(V)	
Waterproof Grade	IP68	
Working Temperature	- 20°C - +70 (stable)	

Custom Algorithm Al Cameras

Al Backup Camera



PJ-202AI



Al Blind Spot Camera



Warning zone

Product specifications Solution AI-2208 **Computing Power** 0.5T/1T **Detected Objects** Cyclists, Pedestrians, Vehicles **Recognition Distance Warning Distance** Up to 11 Meters Alarm Beep Sound/Voice (language customizable) **Effective Pixel** 1288(H)*968(V) Video Signal AHD TV System PAL/NTSC **Power Supply** 12V (24V optional) Visual Angle 100°-140° Waterproof Grade

- 20°C - +70 (stable)

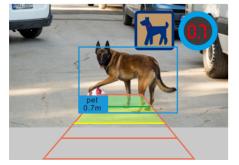
Product Characteristics

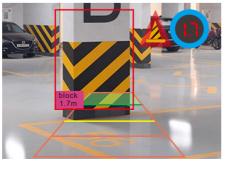
- Powerful Al sensor & big-data feeded algorithm to assure precise detection rate up to 90%.
- Screen warning: When driving, the human body and the vehicle can be dynamically identified in the output video screen. When the human body or vehicle enters the scale of the screen, the scale of the screen changes from green-yellow-orange-red to provide a warning.
- Sound warning: When driving, when a human body or a vehicle enters the scale range of the screen, and the buzzer emits a warning sound, as a human body or vehicles approach, the sound will change from a slow beep sound to a rapid beep sound (the buzzer has three gears: high volume, low volume, and volume off), support languages customized voice alarms.

Customized Algorithm:

Working Temperature







Distance detection

Pets Roadblocks

Universal Al Camera



PJ-223 Al side



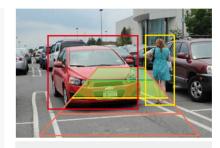
Before adjustment



After adjustment



PJ-202 Al back



Before adjustment



After adjustment

Product specifications

Solution	AI-2209
Computing Power	0.5T/1T
Detected Objects	Cyclists, Pedestrians, Vehicles
Recognition Distance	11 Meters
Warning Distance	Up to 11 Meters
Alarm	Beep Sound/Voice (language customizable)
Effective Pixel	1288(H)*968(V)
Video Signal	AHD
TV System	PAL/NTSC
Power Supply	12V (24V optional)
Visual Angle	100° -140°
Waterproof Grade	IP68
Working Temperature	- 20°C - +70 (stable)

Product Characteristics

- Powerful Al sensor & big-data feeded algorithm to assure precise detection rate up to 90%.
- Keyboard adjusting: Users can customize the range of the alarm zones according to their needs.
 With the included keyboard, easily navigate the menu and customize settings such as alarm zones and mirror selection, etc.
- Screen warning: When driving, the human body and the vehicle can be dynamically identified in the output video screen. When the human body or vehicle enters the scale of the screen, the scale of the screen changes from greenyellow-orange-red to provide a warning.
- Sound warning: When driving, when a human body or a
 vehicle enters the scale range of the screen, and the buzzer
 emits a warning sound, as a human body or vehicles
 approach, the sound will change from a slow beep sound to a
 rapid beep sound (the buzzer has three gears: high volume,
 low volume, and volume off), support languages customized
 voice alarms.
- Applicable on forklifts, construction vehicles, trucks, passenger cars etc.

HD Rear View Monitors

- •1080P AHD Monitors (5" ~ 10.1")
- •1080P DVR Monitors (7"~11.6")
- •Split-View 1080P Monitors (w/o rec.)
- •VGA/HDMI Monitors



Full Compatibility Anti-surge

TVS

60V 3A

Anti-pulse

EMC

DC12-36V



Emc Regulation Rohs Compliant **IPS Full** View

1080P AHD Monitors (5" ~ 10.1")





● PJ-500HD

SPECIFICATIONS LCD Size/Type 5"IPS Brightness Resolution 800RGB(H)*480(V) Camera input 3-CH 1080P / 720P/CVBS mixed connection Camera Signal Optional Audio Full view image Display mode Auto brightness control N/A 12-32V Power Supply -20°C-70°C Stable Working temp 4PIN Aviation Connector U shape (multiple optional)





● PJ-702HD

SPECIFICATIONS

LCD Size/Type	7"IPS
Brightness	500+ cd/m ²
Resolution	1024RGB(H)*600(V)
Camera input	3-CH
Camera Signal	1080P / 720P/CVBS mixed connection
Audio	Optional
Display mode	Full view image
Auto brightness control	✓
Power Supply	12-32V
Stable Working temp	-20°C-70°C
Connector	4PIN Aviation
Bracket	U shape (multiple optional)





● PJ-714HD

SPECIFICATIONS

LCD Size/Type	7"IPS
Brightness	500+cd/m ²
Resolution	1024RGB(H)*600(V)
Camera input	3-CH
Camera Signal	1080P / 720P/CVBS mixed connection
Audio	Optional
Display mode	Full view image
Auto brightness control	✓
Power Supply	12-32V
Stable Working temp	-20°C-70°C
Connector	4PIN Aviation
Bracket	U shape (multiple optional)

"Single Button



● PJ-715HD

SPECIFICATIONS		
LCD Size/Type	7"IPS	
Brightness	500+ cd/m ²	
Resolution	1024RGB(H)*600(V)	
Camera input	3-CH	
Camera Signal	1080P / 720P/CVBS mixed connection	
Audio	Optional	
Display mode	Full view image	
Auto brightness control	✓	
Power Supply	12-32V	
Stable Working temp	-20°C-70°C	
Connector	4PIN Aviation	
Bracket	U shape (multiple optional)	

1080P AHD Monitors (5" ~ 10.1")

7"





Connector

Bracket

PJ-700WPH





● PJ-910HD

10.1





● PJ-1010HD







SPECIFICATIONS LCD Size/Type Brightness 500+ cd/m² 1024RGB(H)*600(V) Resolution Camera input 1080P / 720P/CVBS mixed connection Camera Signal Optional Full view image Display mode Auto brightness control 12-32V Power Supply -20°C-70°C Stable Working temp

SPECIFICATIONS

4PIN Aviation

U shape (multiple optional)

LCD Size/Type	9"IPS
Brightness	500+ cd/m ²
Resolution	1024RGB(H)*600(V)
Camera input	3-CH
Camera Signal	1080P / 720P/CVBS mixed connection
Audio	Optional
Display mode	Full view image
Auto brightness control	✓
Power Supply	12-32V
Stable Working temp	-20°C-70°C
Connector	4PIN Aviation
Bracket	U shape (multiple optional)

SPECIFICATIONS

LCD Size/Type	10.1"IPS
Brightness	500+ cd/m ²
Resolution	1024RGB(H)*600(V)
Camera input	3-CH
Camera Signal	1080P / 720P/CVBS mixed connection
Audio	Optional
Display mode	Full view image
Auto brightness control	✓
Power Supply	12-32V
Stable Working temp	-20°C-70°C
Connector	4PIN Aviation
Bracket	U shape (multiple optional)

SPECIFICATIONS

or zon formono		
LCD Size/Type	10.1"IPS	
Brightness	500+ cd/m ²	
Resolution	1024RGB(H)*600(V)	
Camera input	3-CH	
Camera Signal	1080P / 720P/CVBS mixed connection	
Audio	Optional	
Display mode	Full view image	
Auto brightness control	✓	
Power Supply	12-32V	
Stable Working temp	-20°C-70°C	
Connector	4PIN Aviation	
Bracket	U shape (multiple optional)	

1080P DVR Monitors (7"~11.6")

7" DUAL VIEW



● PJ-702HDDV



LCD Size/Type 7" IPS Brightness 500+ cd/m² Resolution 1024*600 pixels Camera input Camera Signal 1080P/720P/CVBS Audio Auto brightness control 2CH seperate SD Storage 8GB ~ 256GB Compression Coding H.264/H.265 Recording Resolution 1080P/720P/480P 12-32V Stable Working temp -20°C-70°C **4PIN** Aviation

SPECIFICATIONS

7" QUAD VIEW





PJ-702H	SDV	

SPECIFICATIONS

LCD Size/Type	7" IPS
Brightness	500+ cd/m ²
Resolution	1024*600 pixels
Camera input	4CH
Camera Signal	1080P/720P/CVBS
Audio	optional
Auto brightness control	✓
Recording	4CH seperate
SD Storage	8GB ~ 256GB
Compression Coding	H.264/H.265
Recording Resolution	1080P/720P/480P
Power Supply	12-32V
Stable Working temp	-20°C-70°C
Connector	4PIN Aviation

7" QUAD VIEW





PJ-715TQDV	

SPECIFICATIONS

SI ESII ISATISMS		
LCD Size/Type	7" IPS	
Brightness	500+ cd/m ²	
Resolution	1024*600 pixels	
Camera input	4CH	
Camera Signal	1080P/720P/CVBS	
Audio	optional	
Auto brightness control	V	
Recording	4CH seperate	
SD Storage	8GB ~ 256GB	
Compression Coding	H.264/H.265	
Recording Resolution	1080P/720P/480P	
Power Supply	12-32V	
Stable Working temp	-20°C-70°C	
Connector	4PIN Aviation	

10.1" QUAD VIEW



PJ-1013TQDV

SPECIFIC ATIONS

SPECIFICATIONS		
LCD Size/Type	10.1" IPS	
Brightness	500+ cd/m ²	
Resolution	1024*600 pixels	
Camera input	4CH	
Camera Signal	1080P/720P/CVBS	
Audio	optional	
Auto brightness control	✓	
Recording	4CH seperate	
SD Storage	8GB ~ 256GB	
Compression Coding	H.264/H.265	
Recording Resolution	1080P/720P/480P	
Power Supply	12-32V	
Stable Working temp	-20°C-70°C	
Connector	4PIN Aviation	

13 | 14

1080P DVR Monitors

11.6" MULTI-VIEW







SPECIFICATIONS		
LCD Size/Type	11.6" IPS	
Brightness	500+ cd/m ²	
Resolution	1024*600 pixels	
Camera input	4-8CH	
Camera Signal	1080P/720P/CVBS	
Audio	optional	
Auto brightness control	V	
Recording	4-8CH seperate	
SD Storage	8GB ~ 256GB	
Compression Coding	H.264/H.265	
Recording Resolution	1080P/720P/480P	
Power Supply	12-32V	

-20°C-70°C

Stable Working temp

1080P Quad Monitors (w/o recording)





PJ-702HDQ





● PJ-910HDQ





● PJ-1010HDQ

SPECIFICATIONS		
LCD Size/Type	7" IPS	
Brightness	500+ cd/m ²	
Resolution	1024*600 pixels	
Camera input	2/4-CH	
Camera Signal	1080P/720P/CVBS	
Audio	optional	
Display mode	Full view image	
Auto brightness control	✓	
Power Supply	12-32V	
Stable Working temp	-20°C-70°C	
Connector	4PIN Aviation	
Bracket	II shane (multiple optional)	

SPECIFICATIONS

LCD Size/Type	9" IPS
Brightness	500+ cd/m ²
Resolution	1024*600 pixels
Camera input	4-CH
Camera Signal	1080P/720P/CVBS
Audio	optional
Display mode	Full view image
Auto brightness control	✓
Power Supply	12-32V
Stable Working temp	-20°C-70°C
Connector	4PIN Aviation
Bracket	U shape (multiple optional)

SPECIFICATIONS

SPECIFICATIONS		
	LCD Size/Type	10.1" IPS
	Brightness	500+ cd/m ²
	Resolution	1024*600 pixels
	Camera input	4-CH
	Camera Signal	1080P/720P/CVBS
	Audio	optional
	Display mode	Full view image
	Auto brightness control	✓
	Power Supply	12-32V
	Stable Working temp	-20°C-70°C
	Connector	4PIN Aviation
	Bracket	U shape (multiple optional)

VGA Monitors





LCD Size/Type

Brightness

Camera input

Camera Signal

Display mode

Power Supply

Connector

Bracket

Audio

● PJ-702VG

PJ-910VG

SPECIFICATIONS 7"IPS 500+ cd/m² 1024RGB(H)*600(V) 3-CH VGA/CVBS Optional Full view image Auto brightness control 12-32V Stable Working temp -20°C-70°C

4PIN Aviation

U shape (multiple optional)





SPECIFICATIONS 9"IPS LCD Size/Type 500+ cd/m² Brightness 1024RGB(H)*600(V) Resolution Camera Signal VGA/CVBS Audio Display mode Full view image Auto brightness control Power Supply 12-32V Stable Working temp -20°C-70°C Connector **4PIN Aviation** Bracket U shape (multiple optional)

HDMI Monitors





● PJ-702HM

SPECIFICATIONS

LCD Size/Type	7"[[PS	
Brightness	500	+ cd/m²	
Resolution	102	4RGB(H)*600(V)	
Camera input	3-C	н	
Camera Signal	HDI	MI/CVBS	
Audio	Opt	ional	
Display mode	Full	view image	
Auto brightness control	~		
Power Supply	12-	32V	
Stable Working temp	-20	°C-70°C	
Connector	4PI	N Aviation	
Bracket	U sl	nape (multiple optional)	





SPECIFICATIONS

LCD Size/Type	10.1"IPS
Brightness	500+ cd/m ²
Resolution	1024RGB(H)*600(V)
Camera input	3-CH
Camera Signal	HDMI/CVBS
Audio	Optional
Display mode	Full view image
Auto brightness control	✓
Power Supply	12-32V
Stable Working temp.	-20°C-70°C
Connector	4PIN Aviation
Bracket	U shape (multiple optional)

Accessories

Universal Monitor Mounts:















more...

Vesa Mounts:





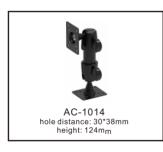




Vesa Mounts: for partial monitors w/ AMPS mounting holes only









Cable accessories:









1080P/720P Cameras

- Heavy Duty Cameras
- Internal Cameras
- RV & Van Cameras
- Specialized Cameras
- Light Duty Cameras
- WDR Cameras
- Brake Light Camera



Heavy Duty Cameras



PJ-208N

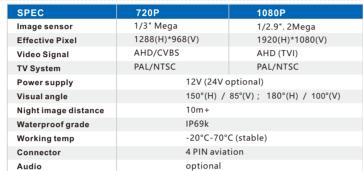
PJ-208NW



SPEC

Image sensor

Effective Pixel



1/3" Mega

AHD/CVBS

PAL/NTSC

1288(H)*968(V)

1/2.9". 2Mega

AHD (TVI)

PAL/NTSC

102°(H)/55°(V) /150°(H)/70°(V)

12V (24V optional)

-20°C-70°C (stable)

4 PIN aviation

optional

IP68

1920(H)*1080(V)



PJ-213

●PJ-202

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)	1920(H)*1080(V)
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V optional)	
Visual angle	100°(H)/50°(V)	
Night image distance	10m+	
Waterproof grade	IP69k	
Working temp	-20°C-70°C (stable)	
Connector	4 PIN aviation	
Audio	optional	



● SW-228

SPEC	720P	1080P	
Image sensor	1/3" Mega	1/2.9". 2Mega	
Effective Pixel	1288(H)*968(V)	1920(H)*1080(V)	
Video Signal	AHD/CVBS	AHD (TVI)	
TV System	PAL/NTSC	PAL/NTSC	
Power supply	12V (24V d	optional)	
Visual angle	150°(H)/1	00°(V)	
Night image distance	15m+		
Waterproof grade	IP68		
Working temp	-20°C-70°C (stable)		
Connector	4 PIN aviation		
Audio	optional		



PJ-223B

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)	1920(H)*1080(V)
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24\	/ optional)
Visual angle	120°(H)	/ 60°(V)
Night image distance	15m+	
Waterproof grade	IP69K	
Working temp	-20°C-70	0°C (stable)
Connector	4 PIN avi	ation
Audio	optional	

Heavy Duty Cameras



PJ-247B

SPEC 720P 1080P Image sensor 1/3" Mega 1/2.9". 2Mega Effective Pixel 1288(H)*968(V)1920(H)*1080(V) Video Signal AHD/CVBS AHD (TVI) PAL/NTSC TV System PAL/NTSC Power supply 12V (24V optional) 120°/150°(H) / 95°(V) Visual angle Night image distance 15m+ Waterproof grade IP68 -20°C-70°C (stable) Working temp 4 PIN aviation Connector Audio optional



● PJ-202B 20-LED HEAVY DUTY CAMERA

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)1920(H)*1080(
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V optional)	
Visual angle	102°(H)/53°(V)	
Night image distance	20m+	
Waterproof grade	P68	
Working temp	-20°C-70°C (stable)	
Connector	4 PIN aviation	
Audio	optional	



● PJ-225B MIRROR WING CAMERA (MINI SIZE)

	SPEC	720P	1080P
Image sensor		1/3" Mega	1/2.9". 2Mega
	Effective Pixel	1288(H)*968(V	1920(H)*1080(
	Video Signal)	V)
	TV System	AHD/CVBS	AHD (TVI)
	Power supply	12V (24V d	optional)
	Visual angle	130°/135°	(H) 90°(V)
	Night image distance	5m+	
	Waterproof grade	IP68	
	Working temp	-20°C-70°	C (stable)
١	Connector	4 PIN avia	tion
	Audio	optional	



PJ-211A
 ADJUSTABLE
LENS IR CAMERA

	SPEC	720P	1080P	
	Image sensor	1/3" Mega	1/2.9". 2Mega	
	Effective Pixel	1288(H)*968(V)1920(H)*1080(V	
	Video Signal	AHD/CVBS	AHD (TVI)	
	TV System	PAL/NTSC	PAL/NTSC	
	Power supply	12V (24V optional)		
	Visual angle	100°(H)/6	55°(V)	
	Night image distance	20m+		
Waterproof grade		IP68		
	Working temp	emp -20°C-70°C (stab		
	Connector	4 PIN aviation		
	Audio	optional		



⊚PJ-212SN

	SPEC	720P	1080P
	Image sensor	1/3" Mega	1/2.9". 2Mega
	Effective Pixel	1288(H)*968(V)1920(H)*1080	
	Video Signal	AHD/CVBS	AHD (TVI)
	TV System	PAL/NTSC	PAL/NTSC
	Power supply	12V (24V optional)	
ı.	Visual angle	130°(H) / 80°(V)	
w	Night image distance	15m+	
	Waterproof grade	IP69K	
	Working temp	-20°C-70°	C (stable)
	Connector	4 PIN aviation	
	Audio	optional	



PJ-248

	SPEC	720P	1080P
	Image sensor 1/3" Mega 1/2.9		1/2.9". 2Mega
	Effective Pixel	1288(H)*968(V)1920(H)*1080(
3	Video Signal	AHD/CVBS AHD (TVI)	
Н	TV System	PAL/NTSC	PAL/NTSC
н	Power supply	12V (24V optional)	
н	Visual angle	102°(H)/55°(V)	
	Night image distance	10m+	
	Waterproof grade	IP68	
	Working temp	-20°C-70°C (stable)	
	Connector	4 PIN aviation (on back)	
	Mounting	horizontal/vertical	



● PJ-201B
HEAVY DUTY IR CAMERA

	Image sensor	1/3" Mega	1/2.9". 2Mega
	Effective Pixel	1288(H)*968(V)1920(H)*1080(V	
	Video Signal	AHD/CVBS	AHD (TVI)
=	TV System	PAL/NTSC	PAL/NTSC
	Power supply	12V (24V optional)	
	Visual angle	100°(H)/65°(V)	
	Night image distance	15m+	
	Waterproof grade	IP68	
	Working temp	-20°C-70°C (stable)	
RA	Connector 4 PIN aviation Audio optional		tion

SPEC 720P 1080P



● PJ-224
WIDE ANGLE
IR CAMERA

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)1920(H)*1080(V	
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V optional)	
Visual angle	120°/130°(H) / 95°(V)	
Night image distance	15m+	
Waterproof grade	IP68	
Working temp	-20°C-70°C (stable)	
Connector	4 PIN aviation	
Audio	optional	

 $lacksquare{1}{9}$

Internal Cameras



● PJ-219 **WIDE ANGLE** IR DOME CAMERA

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V) 1920(H)*1080(
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V optional)	
Visual angle	95°(H)/ 48°(V)	
Night image distance	15m+	
Working temp	-20°C-70°C (stable)	
Connector	4 PIN aviation	
Audio	optional	







	SPEC	720P	1080P
	Image sensor	1/3" Mega	1/2.9". 2Mega
	Effective Pixel	1288(H)*968(V)	1920(H)*1080(V)
	Video Signal	AHD/CVBS	AHD (TVI)
	TV System	PAL/NTSC	PAL/NTSC
	Power supply	12V (24V optional)	
	Visual angle	90°(H)/54°(V)	
	Night image distance	15m+	
	Working temp	-20°C-70°	C (stable)
PJ-241	Connector	4 PIN aviation	
W GLASS MOUNT	Audio	optional	
SH CAMERA			
	Audio		

RV & Van Cameras



PJ-249

SPEC	720P	1080P	
Image sensor	1/3" Mega	1/2.9". 2Mega	
Effective Pixel	1288(H)*968(V)1920(H)*1080(
Video Signal	AHD/CVBS	AHD (TVI)	
TV System	PAL/NTSC	PAL/NTSC	
Power supply	12V (24V optional)		
Visual angle	100°/130°(H)/83°/50°(V)		
Night image distance	10m+		
Waterproof grade	IP68		
Working temp	-20°C-70°C (stable)		
Connector	4 PIN aviation		
Audio	optional		

optional





AHD/CVBS PAL/NTSC	1/2.9". 2Mega)1920(H)*1080(V AHD (TVI) PAL/NTSC
AHD/CVBS PAL/NTSC	AHD (TVI)
PAL/NTSC	, ,
•	PAL/NTSC
12V (24V	optional)
160°(H)/	83°(V)
8m+	
IP68	
-20°C-70)°C (stable)
4 PIN avi	ation
optional	
	160°(H)/ 8m+ IP68



RV & Van Cameras



PJ-212S-W

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)	1920(H)*1080(V)
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V optional)	
Visual angle	130°(H) / 55°/60°(V)	
Night image distance	15m+	
Waterproof grade	IP68	
Working temp	-20°C-70°C (stable)	
Connector	4 PIN aviation	
Audio	optional	



● PJ-212S-Y

Effective Pixel 1288(H)*968(V)1920(H)*1080(V) Video Signal AHD/CVBS AHD (TVI) TV System PAL/NTSC PAL/NTSC Power supply 12V (24V optional) Visual angle 130°(H) / 55°/60°(V) Night image distance 15m+ IP68 Waterproof grade -20°C-70°C (stable) Working temp 4 PIN aviation Connector optional Audio

720P

1/3" Mega

1/2.9". 2Mega

Specialized Cameras



PJ-238



SPEC	720P	1080P
Image sensor	1/3" Mega 1/2.9". 2Mega	
Effective Pixel	1288(H)*968(V)1920(H)*1080(V)
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24\	/ optional)
Visual angle	90°(H)/72°(V)	
Night image distance	20m+	
Waterproof grade	IP69K	
Working temp	-20°C-70	0°C (stable)
Connector	4 PIN aviation	
Audio	optional	



● PJ-240

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)1920(H)*1080(
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V (optional)
Visual angle	110°(H)/5	66°(V)
Night image distance	20m+	
Waterproof grade	IP68	
Working temp	-20°C-70°	C (stable)
Connector	4 PIN avia	tion
Audio	optional	



PJ-233B 4LED HEAVY DUTY CAMERA

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)1920(H)*1080(V
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V	optional)
Visual angle	90°(H)/5	0°(V)
Night image distance	10m+	
Waterproof grade	IP69K	
Working temp	-20°C-70	°C (stable)
Connector	4 PIN avi	ation
Audio	optional	

	SPEC	720P	1080P
	Image sensor	1/3" Mega	1/2.9". 2Mega
	Effective Pixel	1288(H)*968(V)1920(H)*1080(
	Video Signal	AHD/CVBS	AHD (TVI)
	TV System	PAL/NTSC	PAL/NTSC
	Power supply	12V (24	V optional)
	Visual angle	145°(H)	/ 110°(V)
	Night image distance	20m+	
● PJ-238B	Waterproof grade	IP69K	
	Working temp	-20°C-7	0°C (stable)
	Connector	4 PIN av	viation
	Audio	optiona	I

SPEC

Image sensor





STAINLESS STEEL CAMERA

SPEC	1208	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)1920(H)*1080(V
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V	optional)
Visual angle	90°(H)/7	0°(V)
Night image distance	15m+	
Waterproof grade	IP69K	
Working temp	-20°C-70	°C (stable)
Connector	4 PIN avia	ation
Audio	optional	

Light Duty Cameras



PJ-115S

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)	1920(H)*1080(V)
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V optional)	
Visual angle	145°(H)/ 78°(V)	
Night image distance	8m+	
Waterproof grade	IP68	
Working temp	-20°C-70°C (stable)	
Connector	4 PIN aviation	
Audio	optional	



PJ-115C

ROTATABLE LENS

SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)1920(H)*1080(V
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V d	optional)
Visual angle	140°(H)/78°(V) 8m+	
Night image distance		
Waterproof grade	IP68	
Working temp	-20°C-70°C (stable) 4 PIN aviation optional	
Connector		
Audio		



SPEC	720P	1080P
Image sensor	1/3" Mega	1/2.9". 2Mega
Effective Pixel	1288(H)*968(V)1920(H)*1080(V
Video Signal	AHD/CVBS	AHD (TVI)
TV System	PAL/NTSC	PAL/NTSC
Power supply	12V (24V	optional)
Visual angle	140°(H)/8	35°(V)
Night image distance	8m+	
Waterproof grade	IP68	
Working temp	-20°C-70°	C (stable)
Connector	4 PIN avia	tion
Audio	optional	

WDR Cameras





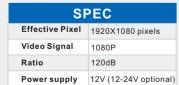
● PJ-201B-WDR



● PJ-212S-WDR



● PJ-213-WDR



What is WDR?

Wide Dynamic Range (WDR) automatically balances lighting, for improving details in highlights and shadows of the camera image. This is particularly useful when working in environments that light quickly changes. For example, reversing into a dark loading bay on a sunny day. The transition from bright light to shadow will cause the camera without the feature of $\ensuremath{\mathsf{WDR}}$ to fail to capture finedetails. Some areas of the picture will be bright and other areas extremely dark. WDR Cameras balance lighting sono areas are under or overexposed, improving clarity and detail in the image



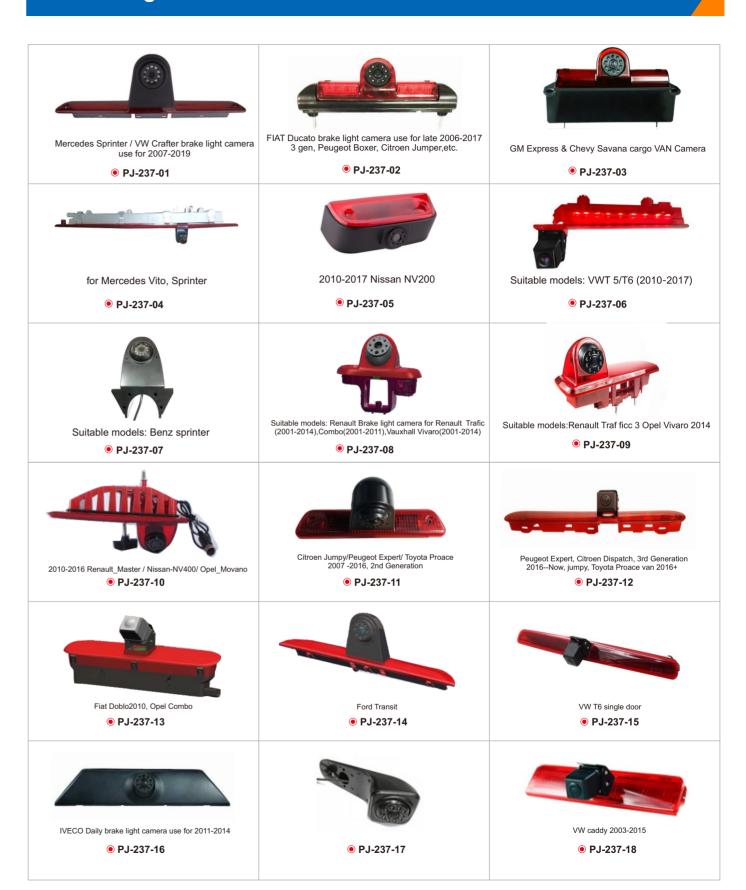








Brake Light Cameras



More brake light camera, please consult our sales representative...

^{*}Al Version Customizable

Radar System

- Ultrasonic Sensor System
- Microwave Radar System

Integrated Ultrasonic Monitor System



● PJ-702BSR











Detection



Distance Display

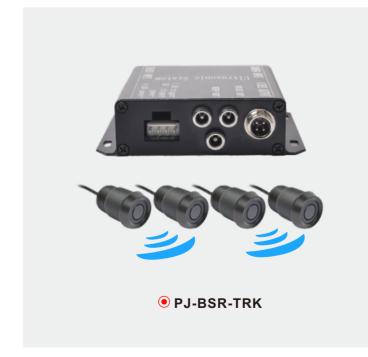


Features:

- Digital radar system: digital radar reversing display, digital radar signal and video overlay are integrated, no radar host is required.
- HD 7 inch monitor
- •Integrated camera & radar image on display for reversing
- Settable alarm distance within 0.3-3.5m according to actual demand for different parking modes

Product Parameters		
Detection Range	D0.3-3.5m	
Monitor size	7 Inch TFT-LED Monitor	
Resolution	720P	
Resolution	800*480	
Sensor	4pcs	
Brightness	400cd/m2	
Camera view angle	120°	
Operating voltage range	DC 12V-32V	

External Ultrasonic Box



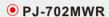
Features:

PJ-BSR-TRK ultrasonic box is compatible with most of PJ's monitors and cameras.

Product Parameters			
Detection Distance	0.60~5.00m (1.97ft 16.4ft)		
Best Detecting Distance	0.603.00m (1.97ft 9.84ft)		
Frequency	40KHz		
Color Of Sensors	Black (default);		
Display Unit	M Or FT Optional		
Power Supply	DC10-18V		
Operating Temperature	-20°C-70°C RH95% Max		
Storage Temperature	-40°C-80°C RH95% Max		

Microwave Radar System







Microwave Radar



Voice alarm

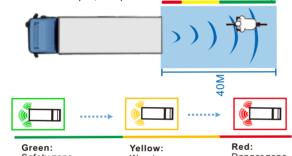


AHD

Detection

Product Introduction

- The 77GHz frequency microwave radar sensor has an ultra-long detection range of 0.3 to 40 meters. It has high detection sensitivity and provides beep alerts.
- The microwave radar car display integrates digital radar signals and video overlay, eliminating the need for a radar host. (Can directly connect 1-4 microwave radar sensors)
- AHD visual reversing system has dual trigger signal functions (right turn/reverse force signal). It automatically switches to the rear view when reversing, and the blind zone radar display provides voice alarm alerts. (When not reversing, the radar display shows the rear distance but does not emit sound). Reverse priority function is enabled.
- Various display modes for different vehicle models (radar vehicle and fixed mode) are available. Alarm distance prompts can be set according to actual needs.
- It can connect two channels (three channels optional) of AHD video input, compatible with CVBS/720P/1080P, etc.





Microwave Radar Camera



Accurate

Distance Display

HD Camera



PJ-196MWR

Product Introduction

- The sensor emits microwaves and receives echoes reflected by obstacles, monitoring the area up to 5 meters behind the vehicle's left and right sides.
- High-definition display image with excellent fidelity.
- Supports high-quality video output and automatic backlight compensation.
- Designed to withstand harsh weather conditions such as rain, snow, fog, and dust, providing allweather monitoring with strong anti-interference capability.
- Compact product with high temperature resistance, easy installation, and powerful functionality.

HD Electronic Mirror Monitor System

- Al Electronic Mirror System CMS
- Full Display Electronic Mirror
- Other Mirror Monitors

Al Electronic Mirror System (CMS)







Al Chip













2CH Pedestrians Visual Alarm

ii Alarm

12.3/15.8 inch IPS

Recording (512GB)

Wide Voltage

Day/night vision







Features:

- Powerful Al sensor & big-data feeded algorithm to assure precise detection rate up to 90%, support future upgrade to improve accuracy
- Designed to solve hidden safety hazards of blind spot and poor mirror visibility issue in rainy days or at night
- Full HD high brightness display with split view mounted at A-Pillar, Wing camera design with dual lens to cover both vehicle blind spots and distant field of view
- Improved night vision image enhanced by WDR function to avoid headlight glare
- Rain-proof film technology applied on camera lens to assure clear view in rainy days.

Product Parameters		
Screen	12.3" / 15.8" IPS	
Brightness	1000cd/m2	
Resolution	1920*1080	
Video inputs	2-CH, 1080P camera inputs, 2 triggers	
Recording storage	SD card, 16-512GB	
Lens angle	150°/90°	
Powersupply	DC 12-36V	
Working temp.	-20~70°C	

Full Display Electronic Mirror







●SMM-966B

Features:

Driving display mode

Driving display mode provides a broadened HD rear view in order to enhance driving safety.

• Reflective mirror mode

High reflective mirror provides a permanent backup solution should the camera or display become non-operational.

Reversing mode

Reversing mode provides a look-down angle with sufficient field of view for safety.

Glare Elimination

Camera w/ Sony HDR sensor to eliminate glare.

Product Parameters		
Screen	9.66" IPS, full screen	
Brightness	1000-1500cd/m²	
Resolution	1280*320	
Front camera	1920*1080@30fps	
Rear camera	1920*1080 / 1280*720	
Voltage	DC12-24V (output 5V)	
Working temp.	-20~70°C	

Optional recording function available

Other Mirror Monitors







● TM-650 (6.5")

Specification	
Brightness	500cd/m²
Resolution	1024*600
Display Mode	IPS Screen
Power supply	DC12-36V
Video input	3-way

Specification		
Brightness	500cd/m ²	
Resolution	1024*600	
Display Mode	IPS Screen	
Power supply	DC12-36V	
Video input	2-way (4 way optional)	

Digital Wireless Camera System

- Al HD Digital Wireless System
- Wireless Zoom Camera Monitor System
- 2.4GHz HD Digital Wireless System
- Solar Powered HD Wireless Camera Kit

Digital Wireless Camera System











More customized solution ...

All HD Digital Wireless System







IR Camera



Features:

- Powerful Al sensor & big-data feeded algorithm to assure precise detection rate up to 90%, support future upgrade to improve accuracy
- Support 4-channel simultaneous detection of pedestrians and/or vehicles
- Combines AI and wireless technology, enabling accurate detection and identification while ensuring convenience
- Stable long distance transmission
- Low image delay (<120ms)

Product specifications

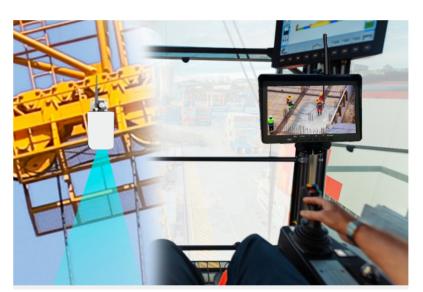
1 reduct opcomeditions			
Transmit distance	250M in open air	Camera input	4-CH
Frequency	2.4GHz	Recording	4-CH separate,8GB ~ 256GB
Charging time	3 H (DC 5-12V)	Compression Coding	H.264
Discharge time	10 H	Power Supply	12-36V
Al Computing Power	0.5T/1T	Image sensor	1/3" Mega
Al Detected Objects	Cyclists, Pedestrians, Vehicles	Effective Pixel	1288(H)*968(V)
Recognition Distance	15 Meters	Visual angle	120° (H)/65° (V)
Warning Distance	Up to 15 Meters	Waterproof grade	IP68
LCD Size/Type	10.1"TFT	Working temp	-20°C-70°C (stable)
Brightness	500cd/m ²		

Wireless Zoom Camera Monitor System



WRS-1014X





Features:

- 30X Zoom: Optical 30x zoom mechanism, digital anti shake, capable of clear monitoring of distant targets
- 500M Transmission Distance: Meet the requirements for long-distance video transmission of lifting machinery and cranes
- 30M Night Distance: Equipped with 4 high-power infrared lights, ensuring 50 meter high-definition night vision for night-time site operation
- IP68 Waterproof: works under all weather conditions, even in rain or snow

Product specifications

LCD Size/Type	10.1 "IPS	Image delay	<120ms
Brightness	500cd/m2	Zoom Ratio	30
Camera input	4-CH	Image sensor	1/2.8" IMX307
Recording	4-CH separate	Effective Pixel	2560(H)*1920(V)
SD Storage	8GB ~ 256GB	Visual angle	64.1° (W)~3.6° (T)
Compression Coding	H.264	Night image distance	30M+
Power Supply	12-36V	Waterproof grade	IP68
Wifi Service Fren.	2400-2483.5 MHZ	Working temp.	-10°C-60°C (stable)
Transmitting Distance	500M in open air		

2.4GHz HD Digital Wireless System





• WRS-702



Features:

- No signal interference
- Stable long distance transmision
- Low image delay (<120ms)
- 2 to 4-channel inputs for HD cameras
- 7" HD IPS display
- Inbuilt recording option (SD card)

Product specifications

Transmit distance	250M in open air	Recording	4-CH separate
Wifi Service Fren.	24020-2483.5 MHZ	SD Storage	8GB ~ 256GB
Charging time	3 H (DC 5-12V)	Image sensor	1/2.9" Mega
Discharge time	10 H	Effective Pixel	1920(H)*1080(V)
lmage delay	<120ms	Video Signal	AHD 90°(H)/ 65°(V)
LCD Size/Type	7"IPS	Visual angle	Ip68
Brightness	500cd/m ²	Waterproof grade	-20°C-70°C
Resolution	1024*600 pixels	Stable Working temp.	12-36V
Camera input	4 CH	Power Supply	

2.4GHz HD Digital Wireless System







WRS-704C



Features:

- 120M: stable signal transmission up to 120 meters
- Forklift-specific design: compact and mini in size, and can be easily installed on a slim forklift arm.
- Magnetic housing: Equipped with magnetic housing camera, no need for wiring
- Waterproof & Shock-resistant: IP69K waterproof, dustproof, shock resistant, durable

Product specifications

Frequency	2.4GHz	SD Storage	8GB ~ 128GB
Transmitting Distance	120M	Image sensor	1/3" Mega
Built-in battery camera	Support 2h/6h operation	Effective Pixel	1024(H)*720(V)
External magnetic battery	Support 10h operation	Video Signal	AHD
Battery capacity	4500mAh	Visual angle camera1	30°(H)/ 20°(V) 80°(H)/ 45°(V)
LCD Size/Type	7"IPS	Visual angle camera2	Ip68
Brightness	$500cd/m^2$	Waterproof grade	4500mAh
Resolution	1024x3(RGB)x600 pixels	Battery capacity	12V (24V optional)
Camera input	4-CH	Power Supply	-20 -70
Recording	4-CH separate	Stable Working temp.	

Solar Powered HD Wireless Camera Kit





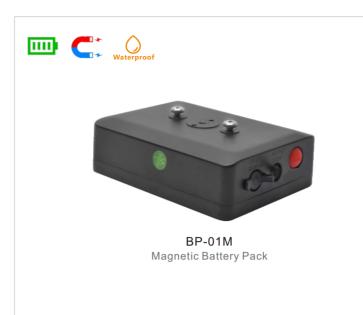
Features:

- Solar-powered: The magnetic base wireless backup camera is equipped with solar power technology.
- Improved Stable Digital Signal and Wide Transmission Range (transmission distance of 120m in open conditions)
- Long Working Time: The backup camera has a built-in battery with a capacity of 9600mA, providing extended usage. Discharge time 13H.
- No signal interference, Stable long distance transmission, Low image delay(<120ms)

Product specifications

Transmit distance	250M in open air	Recording	2-CH separate
Wifi Service Fren.	24020-2483.5 MHZ	SD Storage	8GB ~ 256GB
Charging time	4 H (DC 5-12V)	Image sensor	1/2.9" Mega
Discharge time	14 H	Effective Pixel	1920(H)*1080(V) AHD
Image delay	<120ms	Video Signal	130°(H)/65°(V)
LCD Size/Type	7 "IPS	Visual angle	Ip68
Brightness	500cd/m ²	Waterproof grade	-20°C-70°C
Resolution	1024*600 pixels	Stable Working temp.	12-36V
Camera input	2 CH	Power Supply	

Accessories for Wireless System



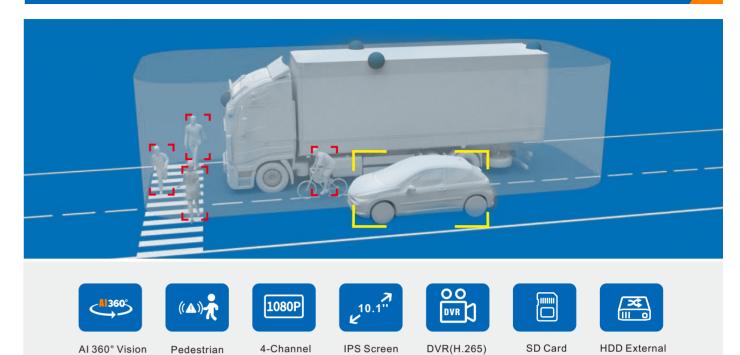
Product Parameters	
Battery type	lithium battery
Battery capacity	7800mAh
Charging voltage	DC5V
Charging current	2A
Charging time	4-6H
Output voltage	DC12V
Output current	up to 600MA
Discharge time	about 8 hours (when the output load current is 200MA)
Waterproof grade	IP65
Working temperature	-20 ~+45
Storage temperature	-20 ~+60
Weight	400g
Installation method	strong magnetic fixation
Outside size	107MM(L)*80MM(W)*36.5MM(H)



Al 360° Vision System

- 4-Channel 360° System
- 6-Channel 360° System

Al 360° AVM Vision System



• AI-360AVM-C4







● PJ-1014

Product Introduction

- AI 360 AVM Vision System is a 360-degree panoramic imaging and active safety driving assistance system, designed for blind spots of large vehicles
- 4-channel 1080P input

AI 360° Vision

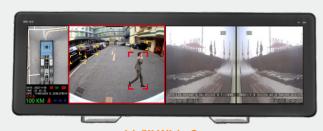
Pedestrian Detection

- Equipped with a 10.1-inch IPS widescreen display, with a resolution of 2560*720
- HDMI display, an interface that integrates display, power supply, and serial communication (touch) functions.
- Support additional radar and flashing alerts for warning.
- Standard SD card storage (256GB); supports external hard drive (2TB)



*Non-Al version available

Al 360° AVM Vision System



14.5" Wide Screen ● PJ-1450HM



360° AI DVR Box ● AI-360AVM-C6 (6-CH)



*Non-Al version available



AI 360° Vision



Detection





6-Channel



HDMI Display



DVR(H.265)

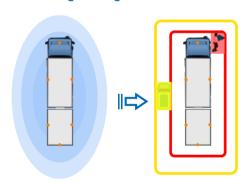




SD Card

HDD External

Vehicles go straight







Product Introduction

- AI 360 AVM Vision System is a 360-degree panoramic imaging and active safety driving assistance system designed for blind spots in large vehicles
- 6-CH 1080P input (4-CH for 360 AVM vision and 2CH for side blind spot)
- Equipped with 14.5" IPS wide screen display with 2560*720
- HDMI display, an interface that integrates display, power supply, and serial communication (touch) functions.
- Support extra Radar and flashing alarm for warning
- Standard SD card storage (256G); support external HDD (2TB)





HD M-DVR

- Al Dashcam
- Al Intelligent MDVR System













Support extra 1 camera





Function:

- Built-in 4G, GPS, and WI-FI
- Support for ADAS and DMS algorithms 512GB large-capacity SD card recording
- Extensive expandable functions: Al Dashcam is equipped with an RS232 serial port, 3-CH input, and 1-CH output

Product Parameters	
Support	WIFI/3/4G
ADAS	FCW+LDW+HMW+PCW
Camera	2ch/3ch Optional
GPS	Support External GPS
Video format	H.264/H.265
G Sensor	Built-in 3-axis acceleration sensor
TF card	Supports up to 512GB TF cards
Voltage	9~36v
Temperature	-20 to +70

Al Intelligent MDVR System



DMS











ADAS

(99%)





BSD





detection

detection

Function:

- Intelligent 4CH AI MDVR All-in-one Device adopts ADAS & DMS technology to provide better performance
- Fleet management-Achieve remote monitoring by DVR GPS tracking/4G/ WiFi, convenient vehicle management on PC
- H.264/H.265-Support dual coding, improving the usage of storage space and wireless network traffic
- 1080P FHD image; Support 512G large-capacity SD card video recording

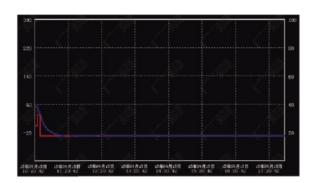
Product Parameters		
11000	1 Toddot Talameters	
Video output	1CH mixed video output (VGA output can be customized)	
Sensor	Support built-in acceleration sensor	
Network	Support 4G. Optional WiFi	
SD Card	Maximum support 512G SD card	
File format	H.265/H.264	
Input voltage	DC: 8 ~ 36V	
Temperature	-20 to +70	
Humidity	20% to 80%	
Size	153(W) x35(H) x121(L) mm	





Internal Lab Test

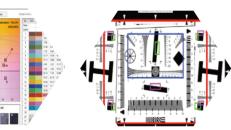




Environmental test (High and low temperature test)

High & low temperature cycling test, all products must pass -20°C to 70°C working temperature, products for special projects pass - 40°C to +85°C working temperature test.







Dark Room

Camera software related tests are conducted in the dark room, such as resolution, colour reproduction, low illumination, white balance, wide dynamic, signal to noise ratio, geometric distortion, etc.

Internal Lab Test







Waterproof test:

Soak test: products are soaked in water @ 1-meter-deep water for 1 hr Air pressure test: products are put into special chamber to run air pressure test

Aging test:

4-8 hours continuous power on test at room temp.



Vibration test:

Vibrate chipsets, PCBA, finished products etc. for 8 hours per axial



Swing Test



Salt Spray Test Condition: 5% Temperature: 35°C



ESD Test & Modification

1. Electro-contact discharge: ±4kv/8KV

2. Air discharge: ±8kv/15kv



LCD Brightness test

Verify the brightness of the LCD monitor



FR Chamber

EMC Pre-scan

 $oldsymbol{45}$