



## GMGA MEASURING

No. 33 Alley 99/120 Dinh Cong Ha, Dinh Cong Ward,  
Hoang Mai District, 10000 Hanoi City, Vietnam

Telephone: **+84 845 969 336**

Email: **[info@gmga.vn](mailto:info@gmga.vn)**

Website: **<https://gmga.vn/>**

# CJ

# 9INCH

PIPE inspection System

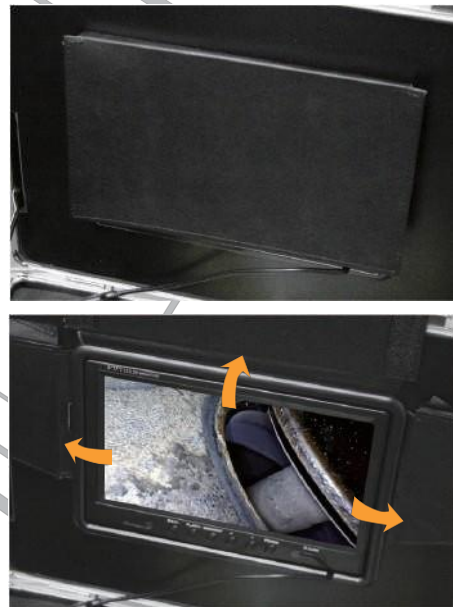


## Key Features

- Ø17mm / 23mm can adapt to smaller diameter pipes.
- 9 inches color TFT LCD monitor with a sun-visor for outdoor inspections.
- 1000TVL high-definition resolution.
- waterproof IP68 #304 stainless steel tip camera.
- 12V 4500mAh li-battery supports approximate 6hrs of continuous use.
- Ø4.8mm fiberglass probe, anti-corrosion/coiled/tensile.
- WiFi LIVE inspection with app.

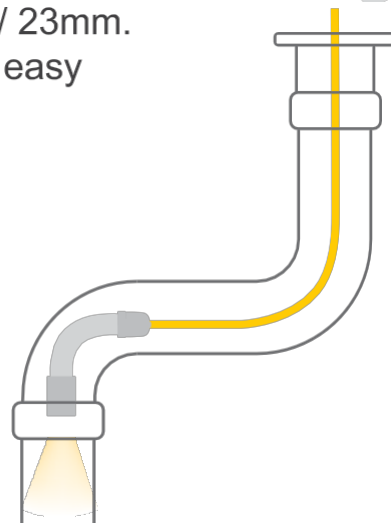
## 9" TFT LCD Monitor

Upgrade 9" larger screen display more realistic and delicate. Monitor designed with a sunshade visor for clear viewing in outdoor inspections.



## Smaller & Clearer Camera

Detachable camera head only 17mm / 23mm. Its can adapt to smaller pipelines and easy passed through 90° sharp curves.



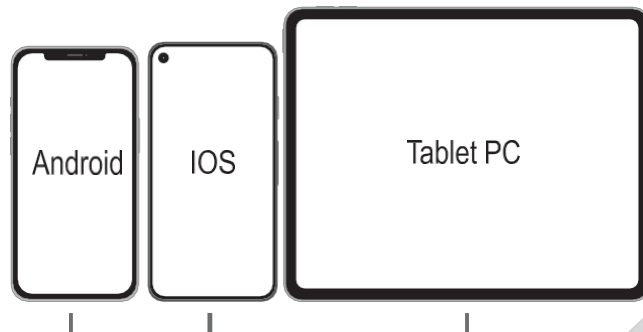
## High capacity 4500mAh Rechargeable Battery

Battery capacity indicator function, which can real-time display the remaining battery power.



## Wireless Wi-Fi app connection

Support 3 smart devices viewing simultaneously.



## Night Vision

With 12 pcs adjustable LEDs to illuminate the hard-to-reach inspection area, inspections will be seen more clearly in the dark environment.

12pcs White LEDs



## Waterproof

The Drain Sewer Pipeline Industrial Endoscope System with waterproof IP68 #304 stainless steel camera can submerge into water freely.



# Accessories



# Specification

Series Number		CJ9-17 Series	CJ9-23 Series
Display	LCD Monitor	9 inches color TFT LCD monitor with a sun-visor	
	Resoulution	1280 x 720 (720P)	
Camera	Diameter	Ø 17mm	Ø 23mm
	F.O.V.	Wide angle field of view 110°	
	D.O.F.	Auto focus 2cm ~ 2meters	Auto focus 3cm ~ 3 meters
	Resoulution	1000 TV Lines	
	Illumination	6pcs White LED	12pcs White LED
Camera Head		Interchangeable camera head 23mm & 17mm switchable	
Cable	Meterial	Fiberglass Cable	
	Length	20M ~ 100M	
Data Storage Format	mage	JPEG ( 640*480)	
	Video	AVI ( 640*480 ), 30fps	
Data Storage		Micro SD card, Support Maximum 32G	
Battery	Capacity	2V4AH , 4500 mAh Lithium-ion Battery	
	Operating Time	6hrs ~ 8hrs (full charging)	
Power Supply		Charger AC100V-240V / DC12.6V 1000mA	
Temperature	Working	-20°C ~ 60°C	
	Store	-50°C ~ 60°C	
Waterproof		Camera & Cable water proof grade:IP67	
Wifi Connection		2.4G Wi-Fi Connection. Support Android & IOS. Simultaneously Connecting	
Language		English / French / German / Spanish / Japanese / Traditional Chinese SimplifiedChinese / Russian / Korean/ Polish/ Italian	

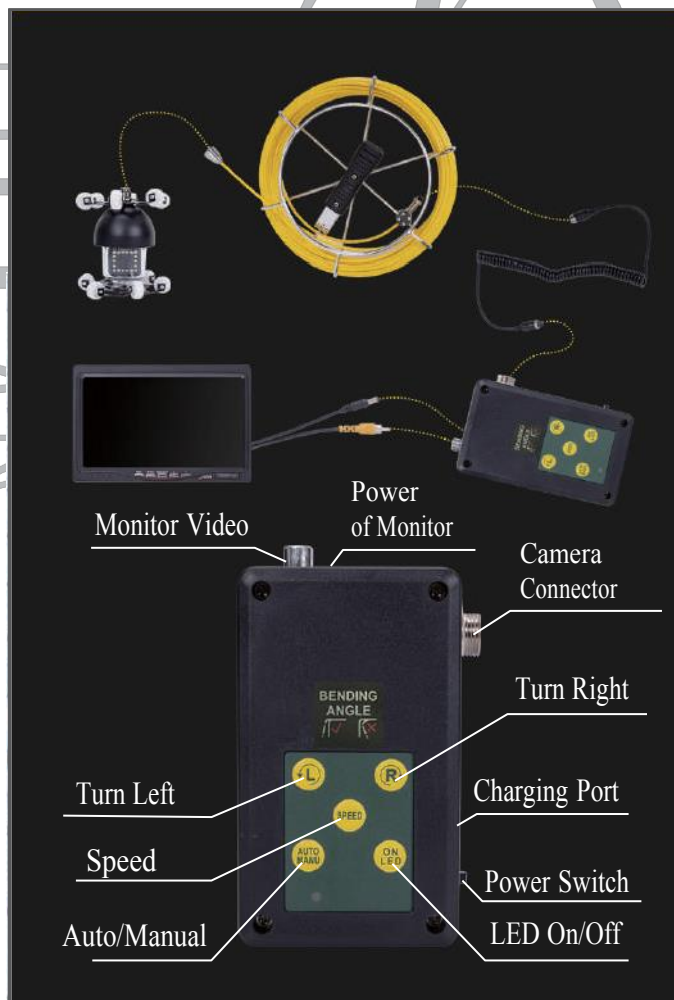


## 360° Panning Camera

With 360° rotating camera controlled by the cell box, it will not miss any corner when you inspect some places hard to watch.

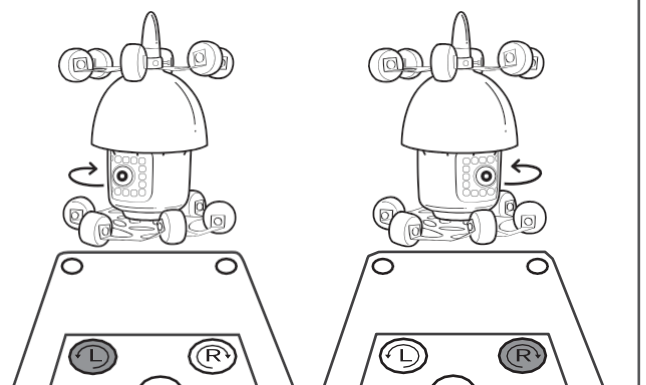


## WiFi LCD 360° Panning Rotation Camera Sewer Drain Videoscope



## Features

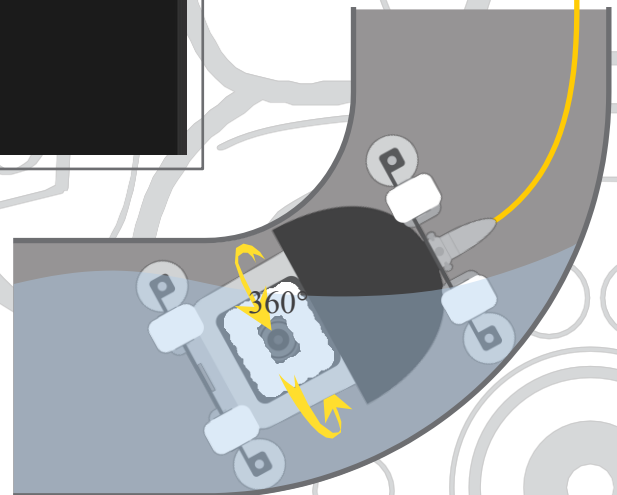
- 360° wide viewing angle. ★
- 9 inches color TFT LCD monitor with sun-visor for outdoor inspections.
- 1000TVL high-definition resolution.
- waterproof IP68 #304 stainless steel camera.
- 12V 4500mAh li-battery supports approximate 6hrs of continuous use.
- Ø4.8mm fiberglass probe, anti-corrosion/coiled/tensile.
- WiFi LIVE inspection with app.



The waterproof IP68 #304 stainless steel camera mounted 18 pcs adjustable LEDs makes viewing more clearly in the dark and water logging environment.



Equip with 10 castors at both ends makes the camera easier and more convenient to slide in the pipeline.



## Accessories

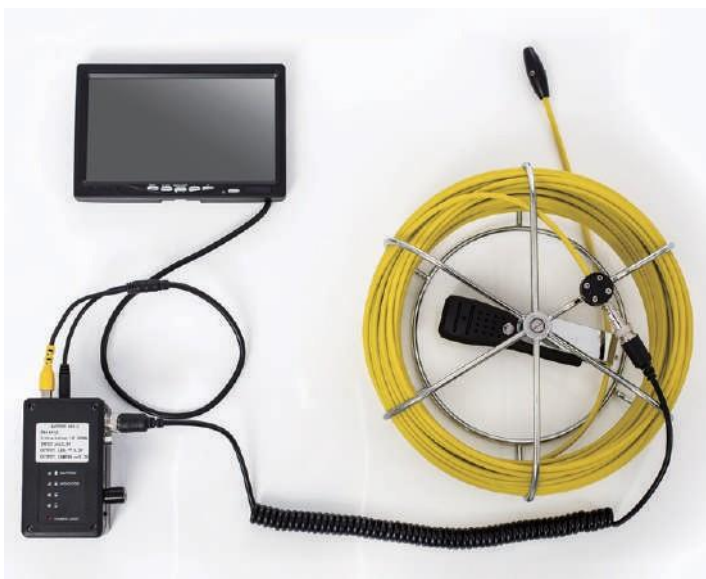
- 1.Cell Box
- 2.Coil
- 3.ABS Box
- 4.Charger
- 5.Connecting Line
- 6.Monitor
- 7.Camera







## 6.5mm Wifi LCD Pipe Inspection Camera Sewer Drain Videoscope

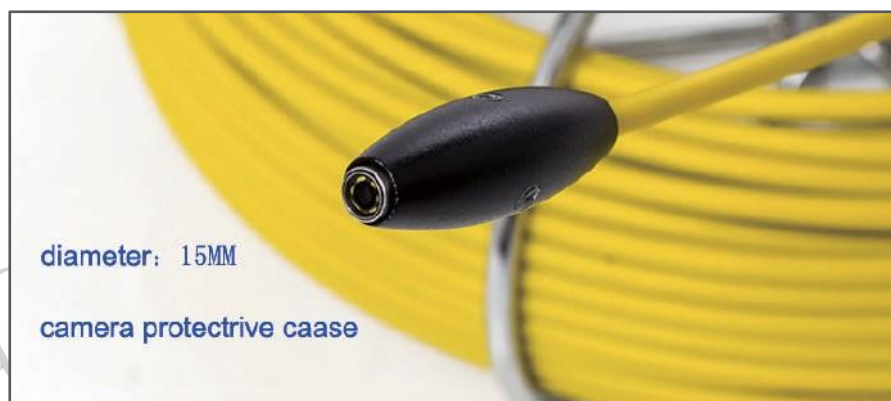
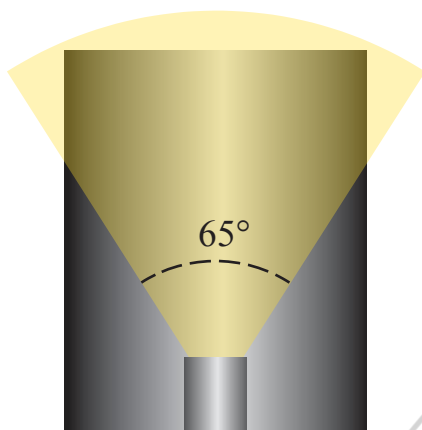


### Features

- Ø6.5mm can adapt to smaller diameter pipes. ★
- 9 inches color TFT LCD monitor with a sun-visor for outdoor inspections.
- 1000TVL high-definition resolution.
- waterproof IP68 #304 stainless steel tip camera.
- 12V 4500mAh li-battery supports approximate 6hrs of continuous use.
- Ø6.5mm fiberglass probe, anti-corrosion/coiled/tensile.
- WiFi LIVE inspection with app★

## 6.5mm Front Camera

Diameter 6.5 camera head can be passed through at least 8mm diameter tube. With six adjustable LEDs and a 65° viewing angle, it can still perform excellent inspection functions in small and dark spaces.



## Accessories

1. Aluminum Box
2. Camera Protective Case
3. Monitor
4. Charger
5. Cell box
6. Connecting Line
7. Coil
8. Camera







## 42mm Dual Lens Pipe Inspection Camera Sewer Drain Videoscope

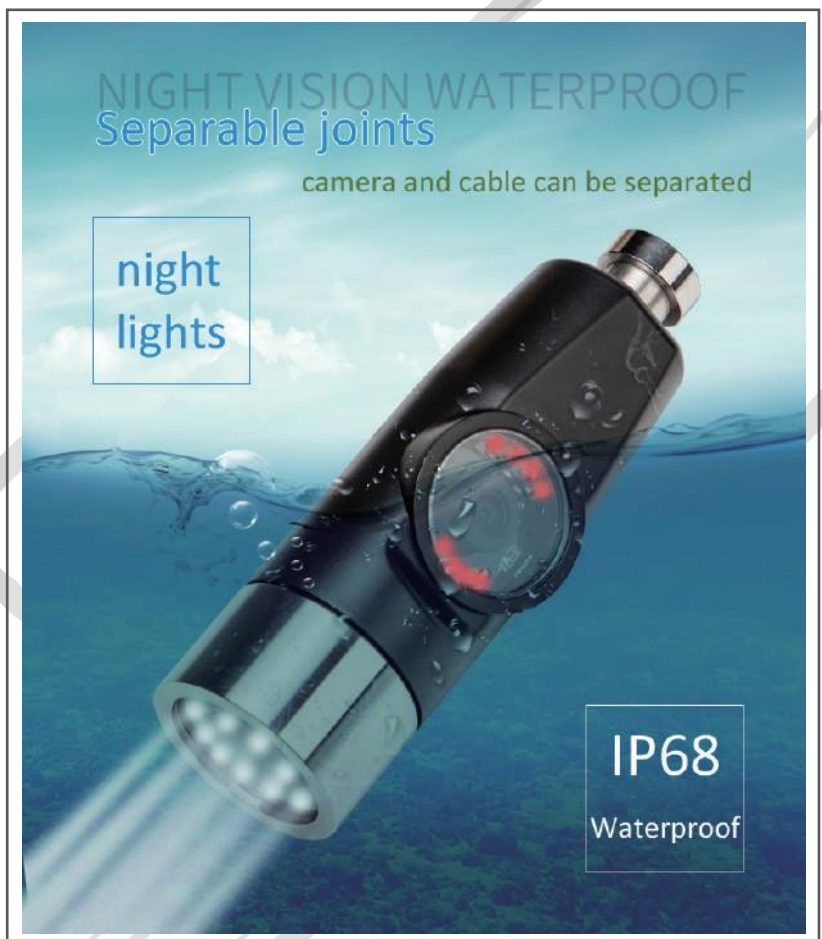
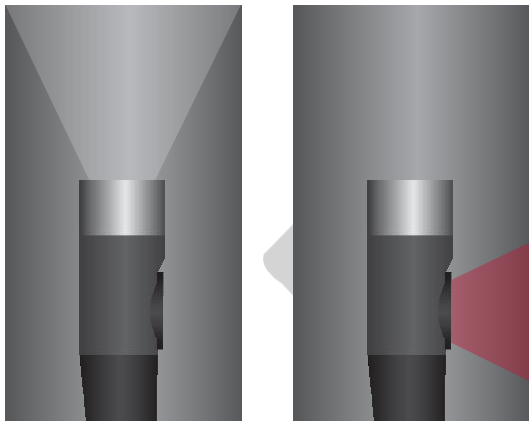
### Features

- dual lens with 140° wide viewing angle. ★
- 9 inches color TFT LCD monitor with a sun-visor for outdoor inspections.
- 1200TVL high-definition resolution. ★
- waterproof IP68 #304 stainless steel tip camera.
- 12V 4500mAh li-battery supports approximate 6hrs of continuous use.
- Ø4.8mm fiberglass probe, anti-corrosion/coiled/tensile.
- WiFi LIVE inspection with app.



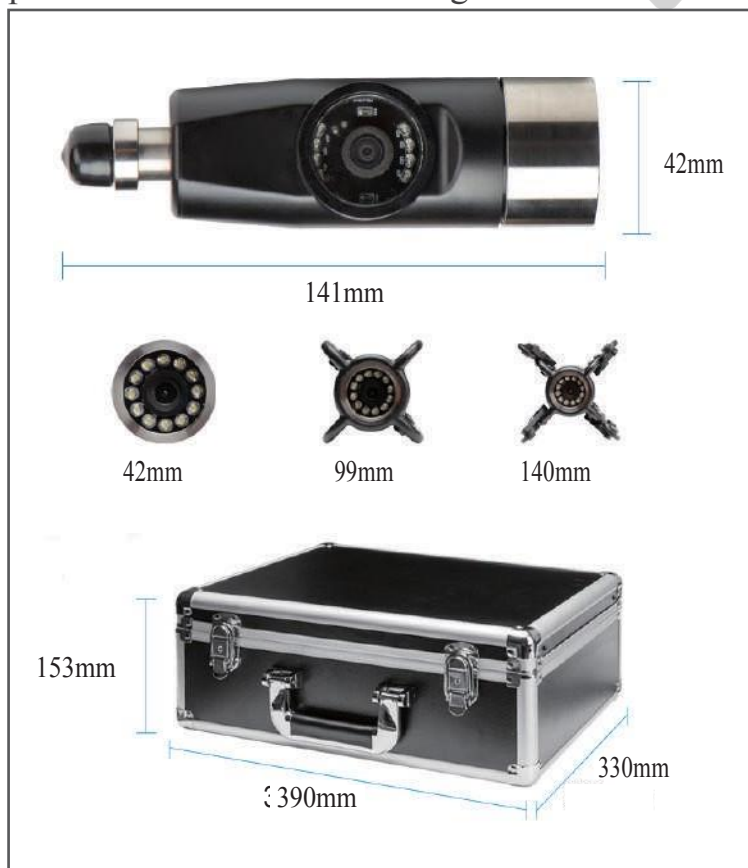
## Dual Lens

The camera with two lenses and 12 front LED lights + 8 side IR LED lights that can switch between front and side views at anytime, two kinds of light sources can adjust the lighting status to meet the environmental requirements to obtain a clear vision.

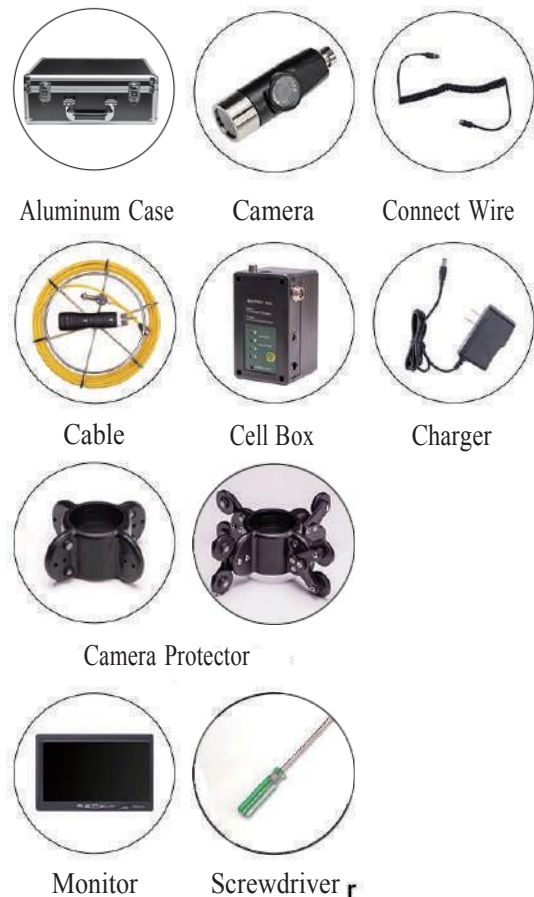


## Product Size

The product comes with a retractable protector to prevent the lens from colliding.



## Accessories



Series Number		CJ9-06 Series	CJ9-17 Series	CJ9-23 series
Display	LCD Monitor	9 inches color TFT LCD monitor with a sun-visor		
	Resoulution	1280 x 720 (720P)		
Camera	Diameter	Ø6.5mm	Ø17mm	Ø23mm
	F.O.V.	65°	Wide angle field of view 110°	
	D.O.F.	Auto focus 1cm ~ 8cm	Auto focus 2cm ~ 2meters	Auto focus 3cm ~ 3 meters
	Resoulution	1000 TV Lines		
	Illumination	6pcs White LED		12pcs White LED
Camera Head		Non Detacheable	Interchangeable camera head 23mm & 17mm switchable	
Cable	Meterial	Fiberglass Cable		
	Length	20M ~ 150M		
Data Storage	mage	JPEG ( 640*480)		
Format	Video	AVI ( 640*480 ), 30fps		
Data Storage		Micro SD card 8G, Support Maximum 32G		
Battery	Capacity	12V4AH , 4500 mAh Lithium-ion Battery		
	Operating Time	6hrs~8hrs (full charging)		
Power Supply		Charger AC100V-240V / DC12.6V 1000mA		
Temperature	Working	-20°C ~ 60°C		
	Store	-50°C ~ 60°C		
Waterproof		Camera & Cable water proof grade: IP68		
Wifi Connection		2.4G Wi-Fi Connection. Support Android & IOS. Simultaneously Connecting		
Language		English / French / German / Spanish / Japanese / Traditional Chinese Simplified / Chinese / Russian / Korean/ Polish/ Italian		

Series Number		CJ9-42D Series	CJ9-145R Series
Display	LCD Monitor	9 inches color TFT LCD monitor with a sun-visor	
	Resoulution	1280 x 720 (720P)	
Camera	Diameter	Ø42mm	Ø145mm with wheel
	F.O.V.	Wide angle field of view 140°	Wide angle field of view 110°
	D.O.F.	Auto focus 2cm ~ 2meters	
	Resoulution	1200 TV Lines	1000 TV Lines
	Illumination	12 front LED lights +8 side IR LED lights	18pcs White LED
Camera Head		Detacheable camera head for self-replacement only,not support 17mm&23mm camera	
Cable	Meterial	Fiberglass Cable	
	Length	20M ~ 150M	
Data Storage Format	mage	JPEG ( 640*480)	
	Video	AVI ( 640*480 ), 30fps	
Data Storage		Micro SD card 8G, Support Maximum 32G	
Battery	Capacity	12V4AH , 4500 mAh Lithium-ion Battery	
	Operating Time	6hrs~8hrs (full charging)	
Power Supply		Charger AC100V-240V / DC12.6V 1000mA	
Temperature	Working	-20°C ~ 60°C	
	Store	-30°C ~ 70°C	-50°C ~ 60°C
Waterproof		Camera & Cable water proof grade: IP68	
Wifi Connection		2.4G Wi-Fi Connection. Support Android & IOS. Simultaneously Connecting	
Language		English / French / German / Spanish / Japanese / Traditional Chinese Simplified / Chinese / Russian / Korean/ Polish/ Italian	