



high-definition **wireless** camera

CA42Kit 2.0

Specification (Version 1.0)



- Wireless cameras and receivers support auto pairing
- Built-in identification code transmission function
- Supports automatic frequency hopping
- Wireless vehicle transmission distance up to 120 meters
- 1/2.9" 2.0M pixel CMOS
- Infrared illumination up to 10 m
- IP69K-rated for dust and water resistance
- Supports upright, hanging, and overhead mounting
- Typical application: large tractor-trailer blind spot scene

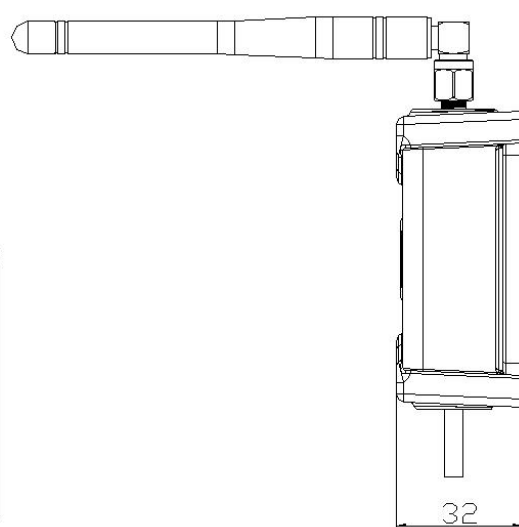
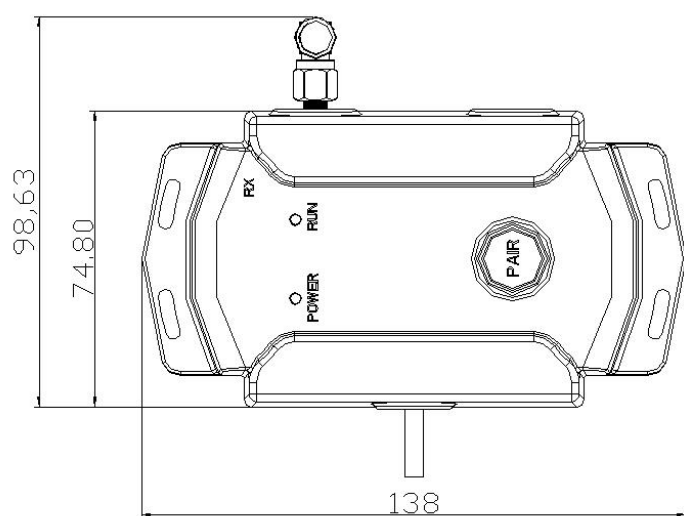
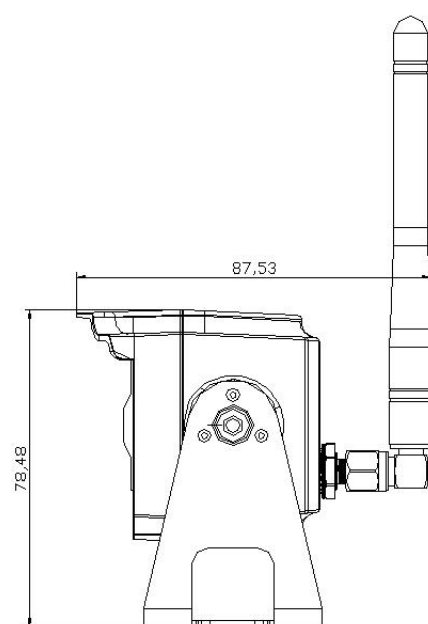
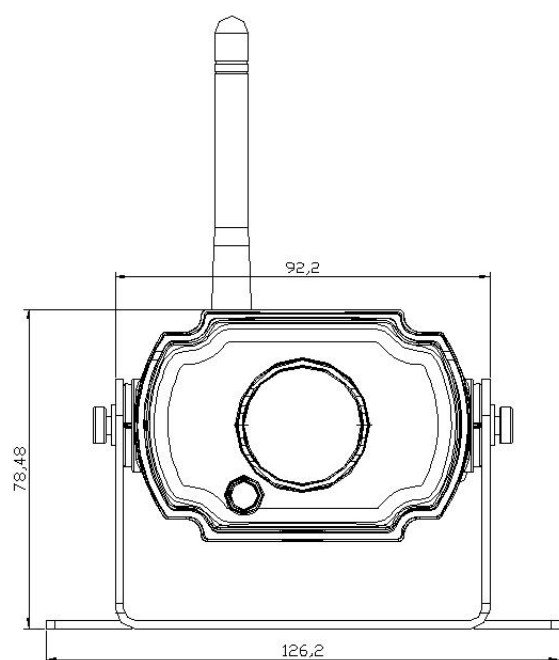
Specifications

Name	Parameter
Product Model	CA42Kit 2.0
Resolution	1920H*1080V
Sensor Type	1/2.9 " 2M pixel CMOS
Minimum Illumination	0.0lux (IR on)/0.1lux (colour)
Lens/FOV	2.1mm/HFOV: 140° VFOV: 75° ±5° error
Infrared Detection Range	Infrared light can reach up to 10m
Shutter Speed	1/60s to 1/50,000s (automatic shutter)
Standard	P type / N type
Signal-to-Noise Ratio	≥ 42dB
Day and Night Mode	ICR filter
Scanning System	Line by line scan
Synchronization System	Inter-sync
White Balance	Automatic tracking of white balance
Automatic Gain	Supported
3D Noise Deduction	Supported
Backlight Compensation	Supported
Digital Wide Dynamic	Supported

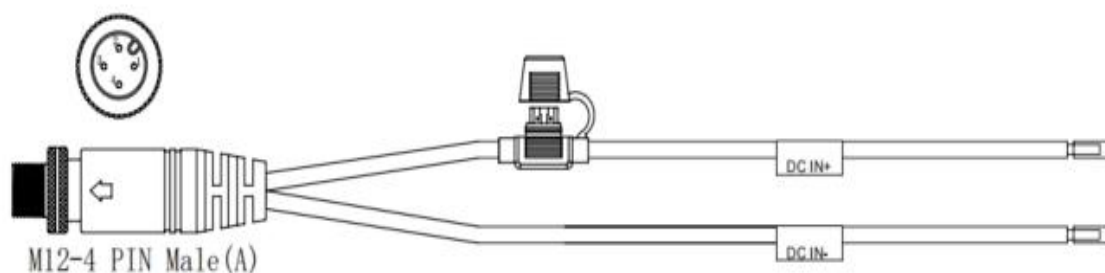
Wireless Operating	2412Mhz--2472Mhz
Transmission Distance	300m (open field)
Output Power	20dbm±1
Receiver sensitivity	-86DB
RF Spectrum Efficiency	12Mbps
Spread-Spectrum	Pwifi OFDM
Video Latency	
Power Source	CA42: DC9-32V CA42B: DC 9-16V
Power Consumption	CA42: <3.3W (IR off) ; <4.2W (IR on) CA42B: <5.6W
Operating Temperature	CA42: -30°C~+70°C
Operating Humidity	Less than 90% (no condensation)
Protection Rating	IP69K
Product Dimension	CA42: L126.5mm × W92.5mm × H78.5mm (L4.98" × W3.64" × H3.09") CA42B: L138mm × W98.5mm × H32mm
Package Dimension	L280*W80*H80mm
Net weight	CA42: 431g (0.95 lb)

Gross weight	1160g (2.56 lb)
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Dimension Diagram



Cable Details

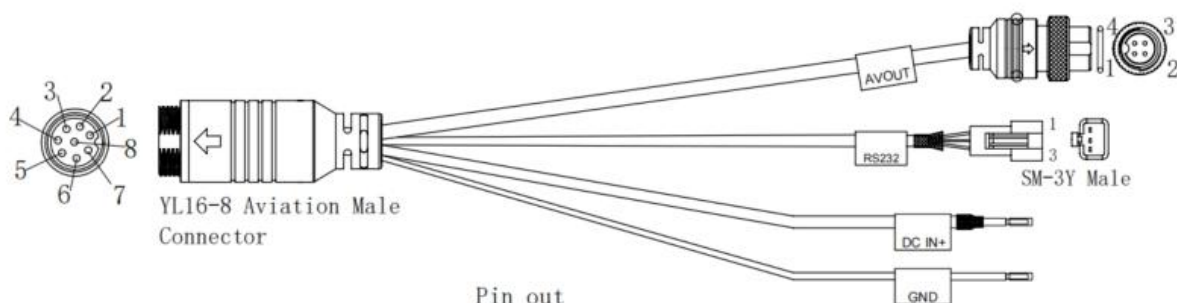


Pin out

M12-4 Male Loose Line

Red 1 ————— DC IN+

Black 2 ————— DC IN-



Pin out

YL16-8 Aviation Male	RS765-4 Aviation Female
3 —————	1 +12V Red
2 —————	4 VIDEO Original
8 —————	2 GND Black+Shield
1 —————	3 AUDIO White
YL16-8 Aviation Male	SM-3Y Male
7 —————	1 GND Black

Cable interface description