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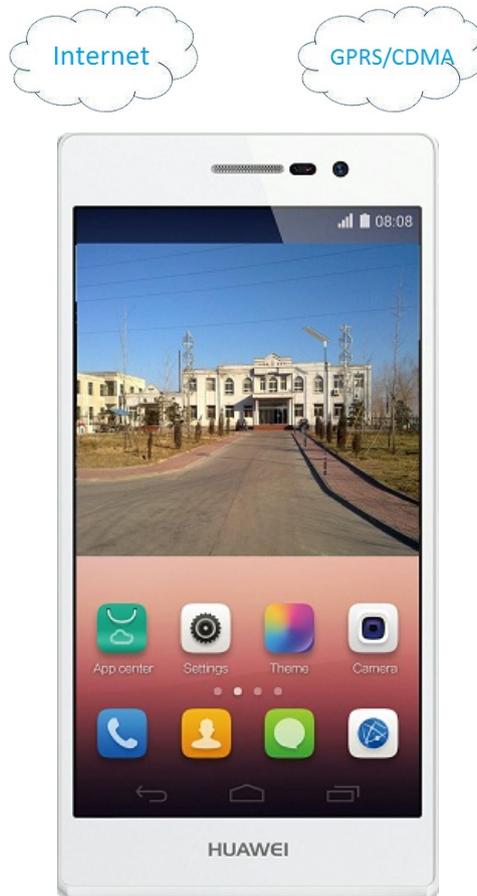
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Instruction Manual

SNF302 series of intelligent monitoring led street light with HD camera by remote online control

(Model: SNF302 powered by grid and SNF302A powered by separated solar panel)



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APPLICATIONS

SNF302 is powered by grid and has light sensor, PIR sensor, HD camera with WiFi and dimming led driver.

SNF302A is powered by separated solar panel and built-in lithium iron phosphate battery, and has PIR sensor, HD camera with WiFi and intelligent controller.

SNF302 and SNF302A series of intelligent monitoring led street lights are widely used as lighting and remote security monitoring by WiFi and internet in urban roads, local roads, rural roads, factory roads, public garden, residential area, villa and private residence, car parking, shopping center, etc., and it can also video and store what happened on the site under the light in built-in TF card which is help for providing the direct evidences for the investigation of the truth of the incidents by police department.

MAIN FEATURES

- Integrated HD camera which doesn't need to lay fiber optic cable and broadband wire, can automatically record a video of the situations on the site under the light and store video data in built-in TF card.
- By integrated camera with WiFi connecting with wireless router, internet or 3G/4G SIM card, the monitor screen can be seen online at any time and the stored video data can be downloaded from TF card remotely in monitoring center by APP of mobile phone or computer.
- For SNF302, light can automatically turn on or turn off controlled by built-in light sensor detecting ambient luminance.
- PIR infrared motion sensor, automatically dimming the brightness of light to save more energy.
- Built-in lithium iron phosphate battery with more than 3000 cycles and more than 8 years' lifespan.
- Separated solar panel has high charging efficiency which can reach more than 75% and can save a lot of cost of laying cables.
- Built-in TF card with capacity of 32G, it can store video data about half a month and cover the most front data by cycle video automatically when it is full of storage data.
- The tilt of light can be adjusted from -90° to +90° .
- IP protection: IP65

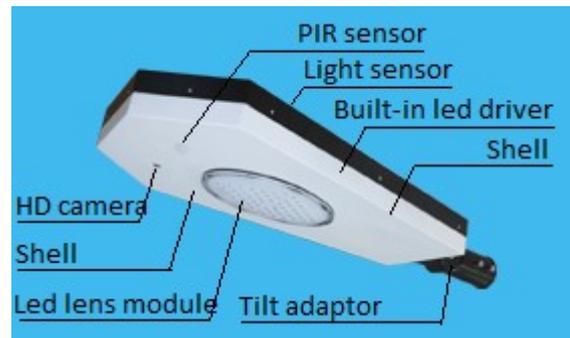
PRODUCT PHOTOS



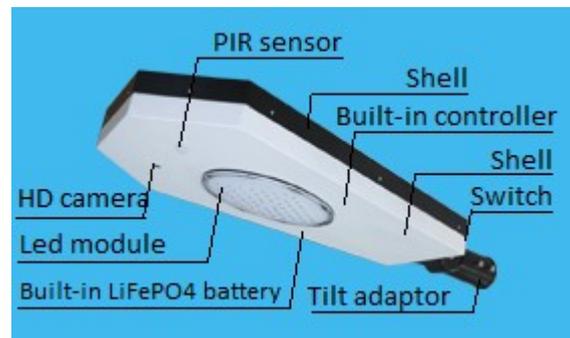
SNF302 (Powered by grid)



SNF302A (Powered by separated solar panel)

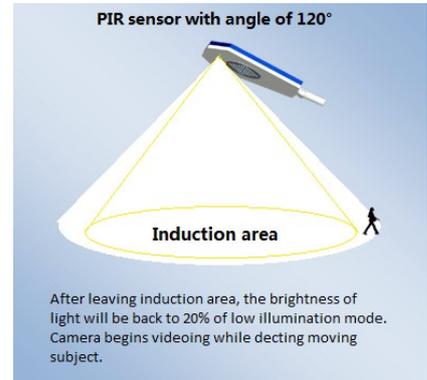
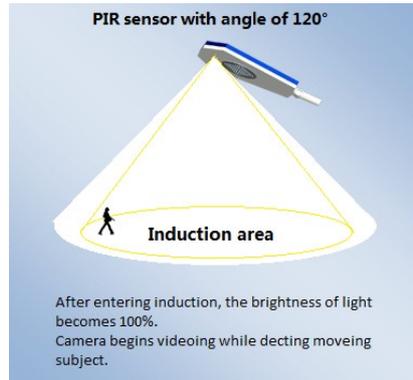
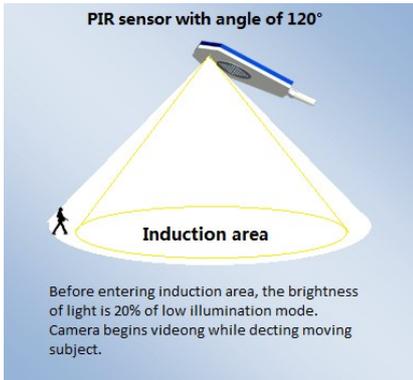


SNF302 (Powered by grid)



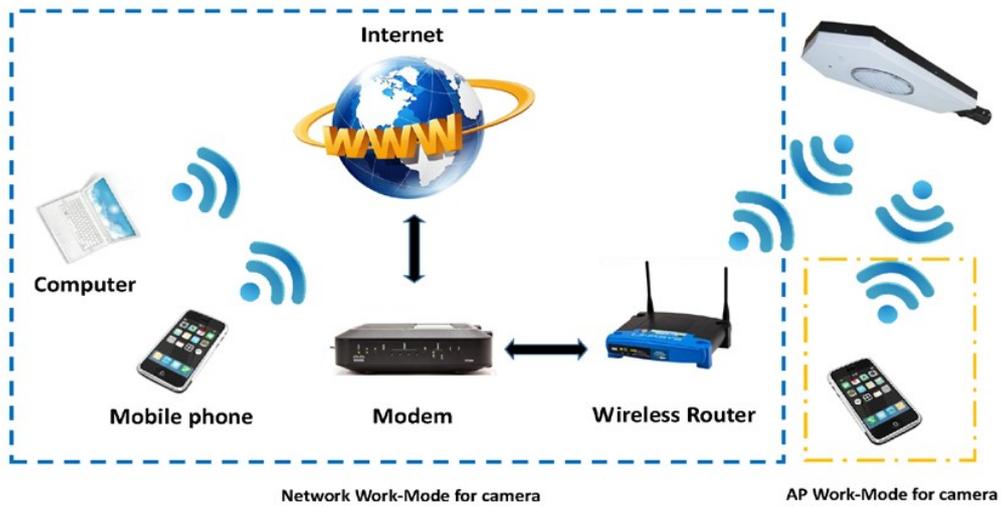
SNF302A (Powered by separated solar panel)

SCHEMATIC DIAGRAM OF INDUCTION

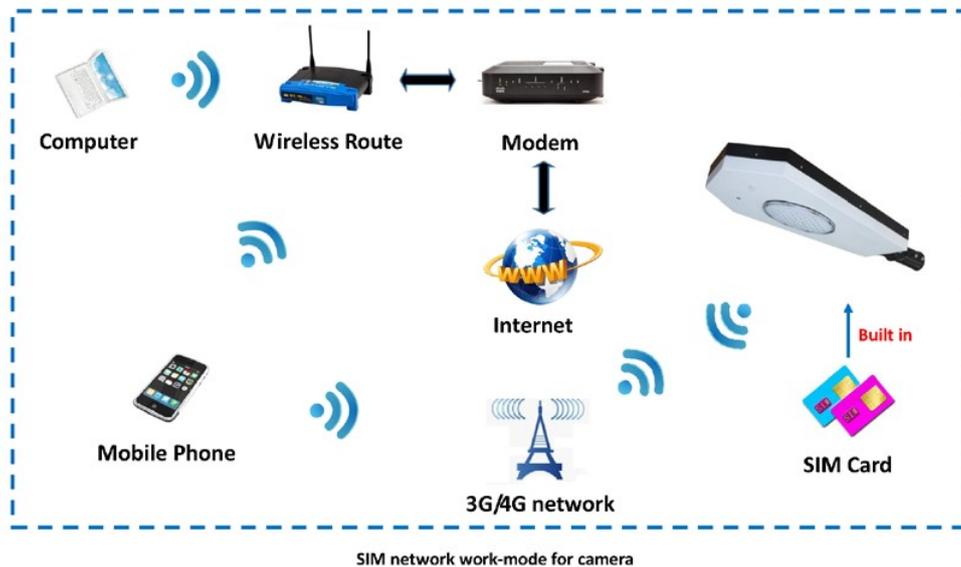


WORKING MODE FOR CAMERA

1. WiFi remote network work-mode and WiFi AP work-mode



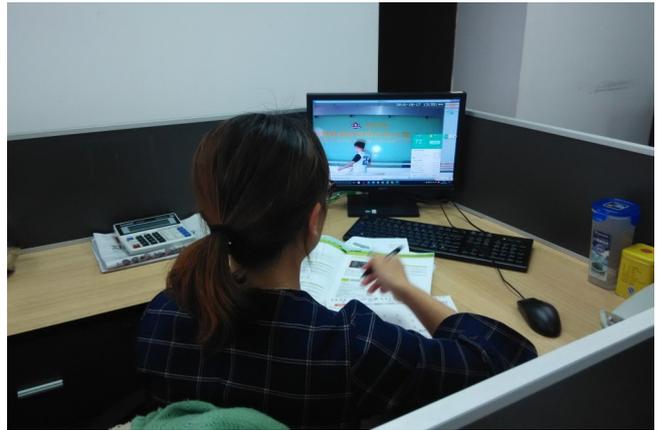
2. SIM card remote network work-mode



3. Schematic photos of remote network work-mode and AP work-mode for camera



AP work-mode for camera



Remote network work-mode for camera

SETUP AND OPERATION

STEP 1:

According to operating system of mobile phone or computer, download corresponding application software in mobile phone or computer.

STEP 2:

Install application software in mobile phone or computer according to corresponding tips.

STEP 3:

Run application software in mobile phone or computer and enter the interface of equipment management.

STEP 4:

Select manual addition, and then input equipment name, ID number of equipment, network port, user, password and channel, and then click "confirmation".

STEP 5:

Enter operation interface, see monitor screen and carry out corresponding operations.

1. SNF302

Model and Power	SNF302-20W	SNF302-30W	SNF302-60W	SNF302-80W
Input working voltage (V)	220ac	220ac	220ac	220ac
Rated frequency (Hz)	50-60	50-60	50-60	50-60
Total power of led chips (W)	20	30	60	80
Brand of led chips	Bridgelux	Bridgelux	Bridgelux	Bridgelux
Luminous efficiency (lm/W @350mA)	130-140	130-140	130-140	130-140
Total luminous flux (lm)	2800	4200	8400	11200
Light efficiency of luminaire (lm/W)	100-105	100-105	100-105	100-105
Beam angle (°)	140°*60°	140°*60°	140°*60°	140°*60°
Correlated color temperature (K)	3000-6500	3000-6500	3000-6500	3000-6500
Color Rendering Index (Ra)	75	75	75	75
Period of operational hours (h)	≥50000	≥50000	≥50000	≥50000
Light sensor	Yes	Yes	Yes	Yes
Dimming of brightness of luminaire	20% (PIR not activated) /100% (PIR activated)			
Passive infrared detector (PIR)	Yes	Yes	Yes	Yes
PIR induction angle (°)	120°	120°	120°	120°
High definition video	960P	960P	960P	960P
TF card capacity (G)	32G	32G	32G	32G
Stored days of data (d)	15	15	15	15
Angle of camera lens (°)	90°	90°	90°	90°
Operation time of camera (hrs/d)	24	24	24	24
Video format	Avi	Avi	Avi	Avi
Communication mode for remote monitor	WiFi/Internet/GPRS/CDMA	WiFi/Internet/GPRS/CDMA	WiFi/Internet/GPRS/CDMA	WiFi/Internet/GPRS/CDMA
Monitoring mode	Remote online monitor /AP mode	Remote online monitor /AP mode	Remote online monitor /AP mode	Remote online monitor /AP mode
Operating control mode	APP of mobile phone /computer			
Operating system of mobile	IOS system /Android system	IOS system /Android system	IOS system /Android system	IOS system /Android system
Working temperature (°C)	-20~+55°C	-20~+55°C	-20~+55°C	-20~+55°C
IP protection	IP65	IP65	IP65	IP65
Dimensions (mm)	750*360*70	750*360*70	900*400*70	900*400*70
Weight (Kg)	12.5	12.5	17.0	17.0
Installation (mm)	φ 60	φ 60	φ 60	φ 60
Recommended installation height (m)	3-4	4-6	6-8	8-9
Working time per day (h)	Light sensor control	Light sensor control	Light sensor control	Light sensor control
Average effective sunshine time (hrs per day)	/	/	/	/
Continuous rainy days (d)	/	/	/	/

Note: SIM card remote network work-mode can be customized.

2. SNF302A

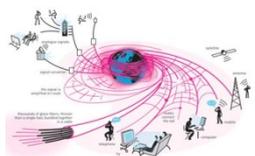
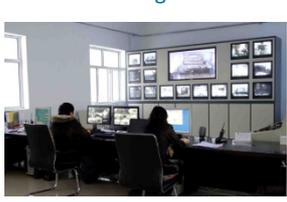
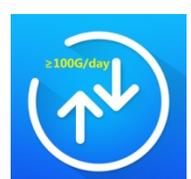
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Model and Power	SNF302A-20W	SNF302A-30W	SNF302A-60W	SNF302A-80W
Total power of led chips (W)	20	30	60	80
Brand of led chips	Bridgelux	Bridgelux	Bridgelux	Bridgelux
Luminous efficiency (lm/W @350mA)	130-140	130-140	130-140	130-140
Total luminous flux (lm)	2800	4200	8400	11200
Light efficiency of luminaire (lm/W)	100-105	100-105	100-105	100-105
Beam angle (°)	140°*60°	140°*60°	140°*60°	140°*60°
Correlated color temperature (K)	3000-6500	3000-6500	3000-6500	3000-6500
Color Rendering Index (Ra)	75	75	75	75
Period of operational hours (h)	≥50000	≥50000	≥50000	≥50000
Type of solar battery	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate
Specification of solar battery	12.8V24Ah	12.8V30Ah	12.8V48Ah	25.6V30Ah
Cycle life of battery (cycle)	≥3000	≥3000	≥3000	≥3000
Light sensor	No	No	No	No
Dimming of brightness of luminaire	20% (PIR not activated) /100% (PIR activated)			
Passive infrared detector (PIR)	Yes	Yes	Yes	Yes
PIR induction angle (°)	120°	120°	120°	120°
Type of solar panel	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon	Monocrystalline silicon
Power of separated solar panel (W)	18V60Wp	18V70Wp	18V120Wp	30V150Wp
High definition video	960P	960P	960P	960P
TF card capacity (G)	32G	32G	32G	32G
Stored days of data (d)	15	15	15	15
Angle of camera lens (°)	90°	90°	90°	90°
Operation time of camera (hrs/d)	24	24	24	24
Video format	Avi	Avi	Avi	Avi
Communication mode for remote monitor	WiFi/Internet/GPRS/CDMA	WiFi/Internet/GPRS/CDMA	WiFi/Internet/GPRS/CDMA	WiFi/Internet/GPRS/CDMA
Monitoring mode	Remote online monitor/AP mode	Remote online monitor/AP mode	Remote online monitor/AP mode	Remote online monitor/AP mode
Operating control mode	APP of mobile phone/computer			
Operating system of mobile	IOS system/Android system	IOS system/Android system	IOS system/Android system	IOS system/Android system
Working temperature (°C)	-20~+55°C	-20~+55°C	-20~+55°C	-20~+55°C
IP protection	IP65	IP65	IP65	IP65
Dimensions (mm)	750*360*70	750*360*70	900*400*70	900*400*70
Weight (Kg)	15.0	15.5	20.0	22.0
Installation (mm)	φ 60	φ 60	φ 60	φ 60
Recommended installation height (m)	3-4	4-6	6-8	8-9
Working time per day (h)	10-11	10-11	10-11	10-11
Average effective sunshine time (hrs per day)	5	5	5	5
Continuous rainy days (d)	3-4	3-4	3-4	3-4

Note: 1. Lithium ion battery can be optional.

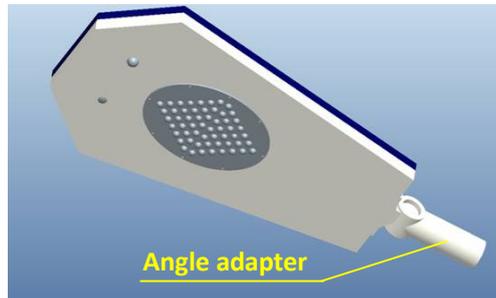
2. SIM card network mode can be custom-made.

COMPARISON WITH CCTV MONITOR

 <p>SNF302 intelligent monitoring led street light by 960P HD camera with wifi</p>	No need	<p>Communication optical cable</p> 	Need	 <p>CCTV monitor camera</p>
	No need	<p>Electric power cable</p> 	Need	
	No need	<p>Monitoring center</p> 	Need	
	No need	<p>Monitoring system storage room</p> 	Need	
	Yes	<p>Cryptic camera</p> 	No	
	Zero flow /Zero charge	<p>Communication flow and cost</p> 	Large flow /High cost	
	≥15 days	<p>Video data storage time</p> 	≥30 days	

INSTALLATION MODES

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WARRANTY

Our company provides 3 years' warranty (not including TF card and SIM card). We will offer free parts within the period of warranty if light has any failure under normal use and correct installation.

PRECAUTIONS

- The main technical parameters are suitable for our standard factory products. Different sunshine radiation, working time per day, car and person flow, and tilt of angle of light will have influence on discharging time or brightness of light and working time. Please select the suitable product model and configurations according to the local sunshine radiation and the annual total radiation.
- Please mounting the light and the lamp pole in the place with plenty of sunlight and adjusting the suitable angle of light for accepting the most sunlight.
- The suitable working temperature for lithium iron phosphate battery is $-15^{\circ}\text{C} \sim +60^{\circ}\text{C}$, low temperature and high temperature will affect the charge and discharge current and efficiency, working time, the life of battery and even damage the battery. Please check your local extreme temperature while selecting products or communicating with us.
- Please download the required video data asap if needed.
- Battery must be charged and discharged for one or two cycles in half a year to extend battery life if not used long time.
- While installed in Northern Hemisphere, please make sure the surface of solar panel to be facing the South to collect maximum sunshine radiation. While installed in Southern Hemisphere, please make sure the surface of solar panel to be facing the North to collect maximum sunshine radiation. At the same time, please keep it away from any shadow of houses, trees, etc.
- Because the sunshine time and sunshine direction are much different due to different seasons, different weather and temperature in different regions, the work efficiency of the solar panel, charging and discharging efficiency of battery will be much different. Therefore, the brightness and working time of luminaire will exist certain difference, this is a normal phenomenon.

CONTACT US

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