

SOLAR PTZ CAMERA SYSTEM

Model:	BRSC-80A2008MX50
Camera Effective pixels	8MP 4K (3840*2160)
Special Features:	Motion Detect, Cruise Zoom, Night Vision
	AI Human Motion Tracking & Vehicle Detect
CMOS Sensor	1/2.8"
Lens	50X Zoom Auto Focus Lens (4.7-141mm 30X Optical +20X Digital) About 350-meter Zoom
View angle	68.5°-4.2°
Min illumination	0.05 Lux / 0 Lux (IR on)
Day & Night mode	Auto IR-CUT
Night vision distance	6pcs Array Infrared LEDs (2pcs auto-adjusting laser infrared LEDs).
	4pcs White LEDs, Support full color night vision
Video compression Standard	H.265
Network protocol	TCP/IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, SMTP
	FTP, DHCP, DNS, DDNS, NTP, UPNP, RTSP, P2P.
Connection protocol	ONVIF Compatible 2.1 Version (backward compatible) Support NVR's (Static IP needed)
Audio	Audio compression standard: G.726/G.711
	Audio code rate: Rate adaptive
	Audio Input: Support, built-in Microphone (Effective Range 10 Meters)
	Audio Output: Support Two Way Audio Talk Back Loudspeaker (Effective Range 10~20 Meters)
Image settings	Brightness, saturation, contrast, Sharpness, Exposure, flip, mirror
Image enhancement	Backlight compensation, Automatic white balance, Digital WDR, 3D digital noise reduction
Audio function	Built in Audio Microphone, Support Two Way Audio Talk Back (RCA Speaker)
Motion detecting	Can set 4 independent detection region (1-100 sensitivity can be set)
Alarm linkage	Alarm sends pictures to the specified mailbox,
	alarm upload pictures and videos to the FTP server,
	alarm write pictures and videos to Micro TF card, alarm message push
Privacy mask	Maximum support 4 users to simultaneously browse
OSD	Support camera name, date and time information superimposed
User management	Supports user and rights management
Simultaneous viewers	maximum support 12 users to simultaneously browse (each stream supports 4 users)
Network Support	GSM 900/1800 MHz 4G FDD-LTE Band 1/3/7/8/20 4G TDD-LTE Band 38/40/41 3G WCDMA Band 1/8
Rotation angle	Horizon: 355°. Vertical: 0° to 90°
Horizontal speed	1° to 30°/S
Vertical speed	1° to 15°/S
Power interface	1* DC φ2.1*5.5mm power interface
TF card Slot	1 * MicroSD card slot. up to 256GB (NOT included TF Card)
Reset button	Support
Power	Day: 2W; Night: 12W
continuous operation time	~100 Hours in bad weather conditions
Operating temperature	-20 to +60 degree
Operating humidity	10% to 95%
Material & Waterproof Level	Side Housing, Outdoor Use, Waterproof IP66

POWER UNIT

Solar Panel Cell Process	Monocrystalline Silicon Whole cells	
Rated Maximum Power (Pmax) [W]	2 100w Solar Panels Total 200w	
Open Circuit Voltage (Voc) [V]	21.6	
Maximum Power Voltage (Vmp) [V]	18	
Short Circuit Current (Isc) [A]	5.17	
Maximum Power Current (Imp) [A]	5.8	
Module Efficiency [%]	21.9	
Max system voltage [V]	1000	
Panel Dimension [mm]	915*670*30 per	
Power Tolerance	0~+3W	
Temperature Coefficient of Isc(α_{Isc})	+0.048%/°C	
Temperature Coefficient of Voc(β_{Voc})	-0.27%/°C	
Temperature Coefficient of Pmax(γ_{Pmp})	-0.35%/°C	
Operating Temperature	-25°C~70°C	
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G	
Battery Type	Ternary Lithium Batteries	
Nominal Capacity	80Ah	
Power Management Controller	Built-in PWM	
Power and voltage display	Real-time Battery Voltage LED Display	
DC IN	12.6V	
Solar Power Input	DC-18V 2 Pin Aviation Cable Plug	
DC OUT	12V 10A	
Protective Features	Overload, reverse connection, over discharge, over charge, short circuit, backflow prevention, etc.	
Operating Temperature	-25°C~50°C	
Nominal Voltage	11.1V	
Internal Resistance	Full Charged Battery 25°C	
Capacity Affected by Temperature (10 hour)	40°C(104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	90%
	-15°C (5°F)	70%
Self-Discharge 25°C Capacity	after 3-month storage	92%
	after 6-month storage	84%
	after 12-month storage	65%
Charge constant Voltage 25°C (77°F) Float	Initial charging current less than 10A Voltage 12.3-12.6V	

PRODUCT PACKAGING

Package Size(mm)	1440*144*173
Package Weight(kg)	35Kg



100Wx2

Solar Panel **200W**

lithium Battery **80Ah**



4K 8MP

200W
Solar Panel

80Ah
lithium Battery

360°
Endless Psn

4G



Camera



Power supply



Metal Hoop



Waterproof Cap



Solar Panel



Lithium Battery



QC



User Manual



Mounting Screws Bag



Anti-drop hook

