



# SV300 Wireless Crane Cameras User Guide

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## Packing List

- 1. SV300 Wireless Camera
- 2. Streambox
- 3. Monitor
- 4. SV300 5GHz Omnidirectional Antenna (White. N-type) x 2pcs
- 5. SV300 Power Adapter (with Waterproof 3-pin Connector)
- 6. SV300 Wireless Camera Remote Key Fob
- 7. Streambox 5GHz Omnidirectional Antenna (Black, SMA) x 2pcs
- 8. Streambox Power Cord (with Cigarette Lighter)
- 9. Monitor Charging Cable (USB Type C to Type A)
- 10. Monitor Holder
- 11. Magnetic Cable Collector x 2pcs
- 12. Safety Lanyard
- 13. 90-degree angle antenna transmitter

### Product Specification

#### SV300 Wireless Camera



Name	Name	Description				
Camera	Image Sensor	1/2.8" CMOS				
	Electronic Shutter	1/25s - 1/10,000s				
	Lens	2.8mm				
	AOV	105°				
	<b>Resolution &amp; Pixels</b>	2K QHD 2304 x 1296, 3MP				
	Night Vision	Starlight technology				
	SD Card	Yes, 128GB				
	MIC & Speaker	N/A				
Battery	Туре	Molicel 26700 LiFePO4				
	Capacity	160Wh				
	Battery Life	20hrs				
	Charging Time	4hrs				
	Power Input (Charging by	DC 14.6V4A				
	power charger or battery)					
Wireless Technology	Video Streaming	Wi-Fi 802.11 a/n/ac				
Others	Dimension	Camera: 152 (L) x 65 (Ø)				
		AP/Battery: 230 (L) x 230 (W) x 78.5 mm (H)				
	Weight	2.7kg				
	Antenna	Omnidirectional 5GHz x2				
	I/O Port	RJ45 port x1, 3-pin power jack x1, N-type				
		connector x2				
	LED Indicator	Wireless status status x6, Camera status x1,				
		Battery status x1				
	Button	Battery power on/off x1				

#### Streambox



Streambox	
Dimension	150 x 100 x 48 mm
Weight	0.5kg
Wireless Technology	Wi-Fi 5GHz
Antenna	Omnidirectional 5GHz x2
I/O port	RJ45 port x1, USB Type A port x1, Power Jack x1
LED Indicator	Power status x1, LAN connection status x1, Signal strength x4
Power Supply	DC 12V
Waterproof	IP65



Power On/Off Button

Table

HERCULES APP

USB Charging Port

Table	
Dimension	250 (L) x 155 (W) x 8(H) mm
Weight	0.5kg
OS	Android 12
Display	10.37" IPS Touch Screen
Resolution	2000 x 1200
Wireless Connectivity	Wi-Fi 802.11 a/b/g/n/ac
CPU	Octa-core processors
Memory	4G DDR
Power Supply	DC 5V

#### (Optional) External Power Bank



Battery type	Molicel 26700 LiFePO4
Capacity	160Wh
Battery Life	20 hours
Charging Time	4 hours
Power Charger	DC 14.6V4A
Installation	Mounting by magnets
Waterproof	IP67
Operation Temperature	0 ~ 60°C
Dimension	201 (L) x 123 (W) x 80 (H) mm
Weight	1.6kg

#### Placement

For the SV300 Wireless Camera system installation, there are two places to install different device as following figure to watch real-time 2K QHD video streaming in the cabin.



#### SV300 Wireless Camera

- 1. Attach one 5 GHz omnidirectional antenna (white) on the N-type port of SV300 Wireless Camera.
- 2. Attach another 5 GHz omnidirectional antenna (white) on the 90-degree angle antenna transmitter which is pre-installed on the N-type port of SV300 Wireless Camera.



- 3. Wipe clean the hook surface of the crane.
- 4. Attach the SV300 Wireless Camera on the crane's hook surface magnetically, and then use safety lanyard to lock it to the crane for safety.
- 5. Press the power button to turn on the Camera.

#### Streambox & Tablet

1. Attach two 5 GHz omnidirectional antennas (black) on the SMA ports of Streambox.



2. Connect the Streambox to cigarette lighter connector of cabin by using power cord with cigarette lighter.



3. Connect the monitor to Streambox by using USB charging cable.



- 4. Press the power button to boot up the monitor.
- 5. After monitor boot-up, check the status of Wi-Fi.
- Once the SSID "5G\_SV300\_XXX" (XXX=001~999) is connected, the monitor can receive the video streaming from the SV300 Wireless Camera



6. Set the date and time of monior to your local time before using HERCULES APP: Swipe up -> Select "SETTINGS" icon -> Go to "SYSTEM" -> Set your local time in "DATE & TIME".



7. Default login information Admin account: Admin Operator account: Operator Password: 1234



# LED Indicator

#### Wireless Status Indicator

There are 6 LED indicators on the SV300 AP and Streambox indicate the wireless connection status.

Description	Definition
Power status of SV300	OFF: No power
AP/Streambox	Steady Green: Power ON
Data transmission status	OFF: No data transmission
of RJ45 configuration port	Flashing Green: Data transmission on-going
Wireless signal strength	OFF: No signal
between SV300 AP and	S1 Steady Green: Signal strength very bad
Streambox	S2 Steady Green: Signal strength bad
	S3 Steady Green: Signal strength normal
	S4 Steady Green: Signal strength good
	Description Power status of SV300 AP/Streambox Data transmission status of RJ45 configuration port Wireless signal strength between SV300 AP and Streambox

#### SV300 Wireless Camera Power Status

There is one LED indicator on the SV300 Wireless Camera indicates the power status of SV300 Wireless Camera.

Status	Definition
On	SV300 Wireless Camera and is POWER-ON.
Off	SV300 Wireless Camera and is POWER-OFF.

#### SV300 Embedded Battery & External Power Bank Power Status

There is one LED indicator on the SV300 embedded battery and external power bank indicates the their battery life status.

LED Color	Definition
Green	Battery life > 95%
Orange	Battery life < 95% & >20%
Red	Battery life < 20%
Off	No power



### Remote Camera Power On/Off Management

Using the remote key fob, you can remotely turn ON/OFF the SV300 Wireless Camera to prolong its operating time and decrease the need for frequent power charging.



Note: Before using remote key fob, please make sure the power button of SV300 Wireless Camera is pressed to show the green light.



Power button lits GREEN when pressed.

## Camera Playback

- 1. Preparea LAN cable and a Windows PC/laptop with an RJ45 port to proceed with the following steps.
- 2. Press the power button to turn on the SV300 Wireless Camera.
- 3. Use the LAN cable to connect the SV300 Wireless Camera and PC.



- 4. Manually set the IP address for your PC or laptop to connect the SV300 Wireless Camera: a. PC/laptop IP address: **192.168.XXX.XXX (e.g. 192.168.5.112)** 
  - b. Subnet Mask: 255.255.255.0
  - c. Gateway: 192.168.XXX.1 (e.g. 192.168.5.1)

Network Connections			-		×	
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	Obtain an IP address auto	matically				OK Cancel
	Use the following IP addre	55:				
	IP address:	192,168,5	. 112		J	
	Default gateway:	192 , 168 , 5	, 1			
	Obtain DNS server addres	s automatically		-		
	Use the following DNS ser	ver addresses:				
	Preferred DNS server: Alternate DNS server:					
	Validate settings upon ex	t	Advanced.			
		ОК	Can	cel		

5. Launch your browser Chrome or Edge. Input the IP address of yourSV300 Wireless Camera, and then input the camera account "admin" and password "Scarlet@5355" to login camera.



6. Select the "Download plugin" to download plugin file if you visit this page first time.

4 Live View									
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7. Open this file to install this plugin file on your PC or laptop.



8. After installation process, launch the browser to login the SV300 Wireless Camera again. Select the page "Playback", select the date and then click the search icon.



9. The green time bar with the video recording will appear at the bottom screen.

Press "Play" to watch the recorded video.



10. The video recording can also be download to your PC or laptop to press the icon "Download". The video file format will be MP4 file.





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