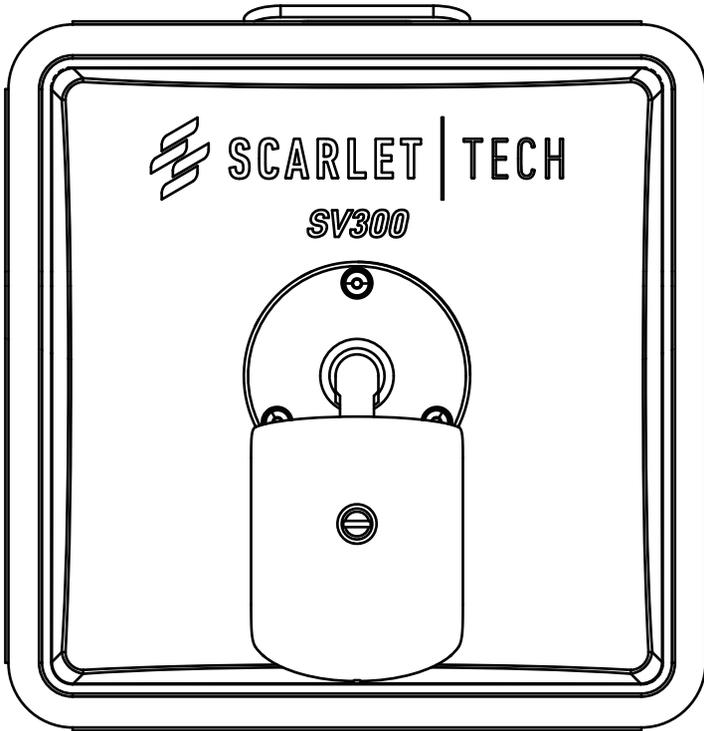




SCARLET | TECH



# SV300

Wireless Crane Cameras

User Guide

# Page Contents

---

<b>Packing List</b>	<b>2</b>
<b>Product Specification</b>	<b>3</b>
SV300 Wireless Camera	3
Streambox	5
Tablet	6
(Optional) External Power Bank	7
Placement	8
SV300 Wireless Camera	8
Streambox & Tablet	9
<b>LED Indicator</b>	<b>11</b>
Wireless Status Indicator	11
SV300 Wireless Camera Power Status	11
SV300 Embedded Battery & External Power Bank Power Status	11
<b>Remote Camera Power On/Off Management</b>	<b>12</b>
<b>Camera Playback</b>	<b>13</b>

# **| 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

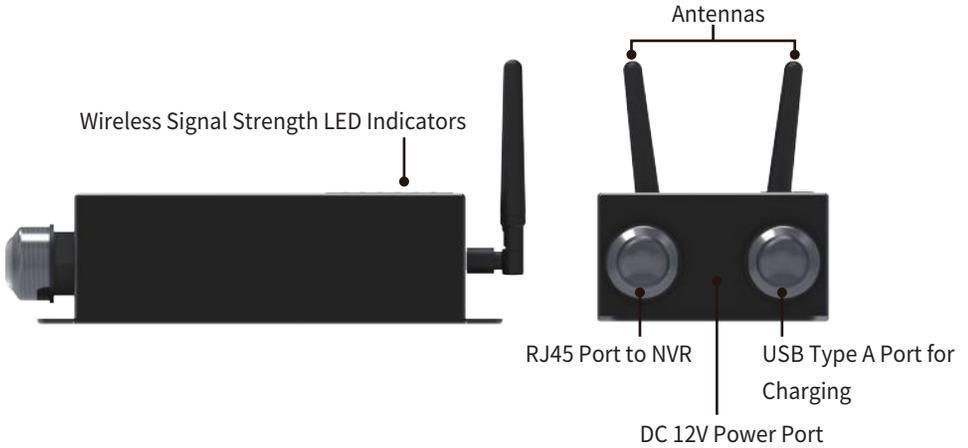
# Product Specification

## 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°
	Resolution & Pixels	2K QHD 2304 x 1296, 3MP
	Night Vision	Starlight technology
	SD Card	Yes, 128GB
	MIC & Speaker	N/A
Battery	Type	Molicel 26700 LiFePO4
	Capacity	160Wh
	Battery Life	20hrs
	Charging Time	4hrs
	Power Input (Charging by power charger or battery)	DC 14.6V4A
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	
<b>Dimension</b>	150 x 100 x 48 mm
<b>Weight</b>	0.5kg
<b>Wireless Technology</b>	Wi-Fi 5GHz
<b>Antenna</b>	Omnidirectional 5GHz x2
<b>I/O port</b>	RJ45 port x1, USB Type A port x1, Power Jack x1
<b>LED Indicator</b>	Power status x1, LAN connection status x1, Signal strength x4
<b>Power Supply</b>	DC 12V
<b>Waterproof</b>	IP65

**Table**



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

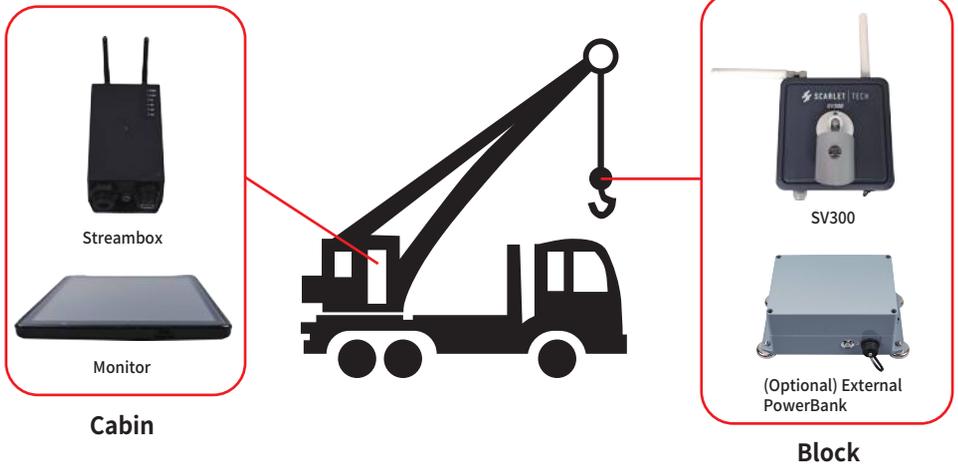
## ■ (Optional) External Power Bank



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

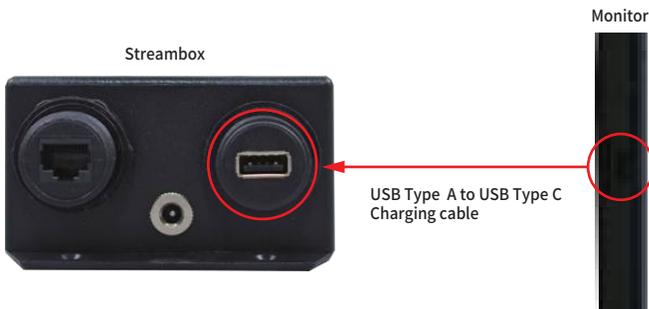


2. Connect the Streambox to cigarette lighter connector of cabin by using power cord with cigarette lighter.



Connect to cigarette lighter connector of cabin

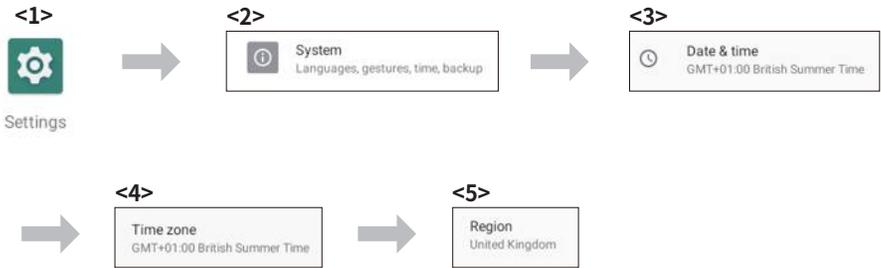
3. Connect the monitor to Streambox by using USB charging cable.



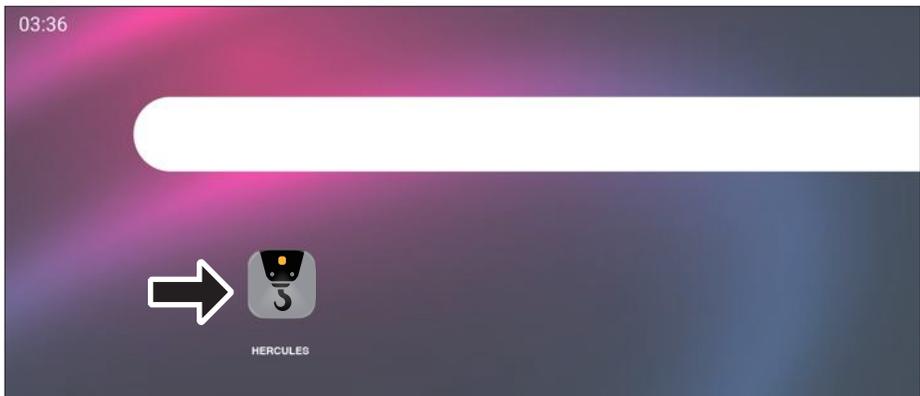
4. Press the power button to boot up the monitor.
5. After monitor boot-up, check the status of Wi-Fi.  
Once the SSID "5G\_SV300\_XXX" (XXX=001~999) is connected, the monitor can receive the video streaming from the SV300 Wireless Camera



6. Set the date and time of monitor 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.

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

## 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.



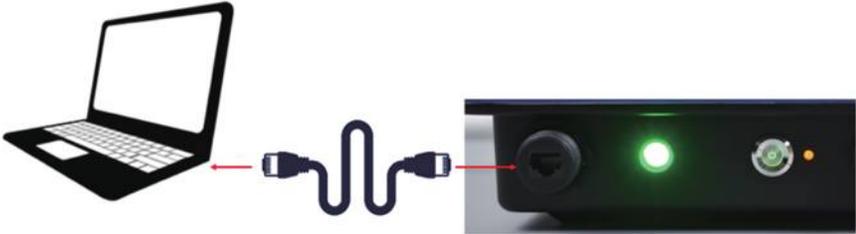
Note: Before using remote key fob, please make sure the power button of SV300 Wireless Camera is pressed to show the green light.



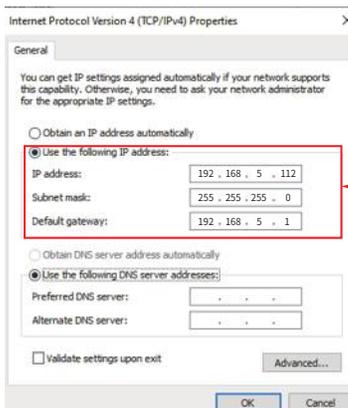
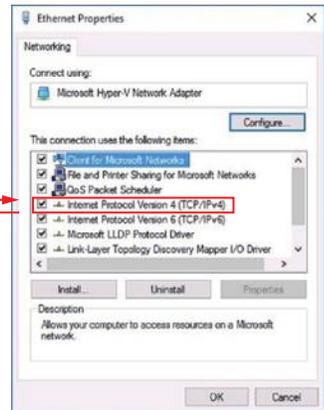
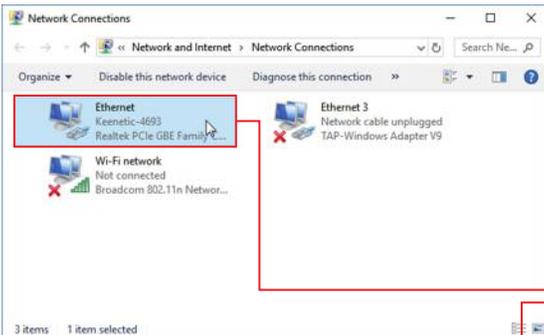
Power button lits GREEN when pressed.

# Camera Playback

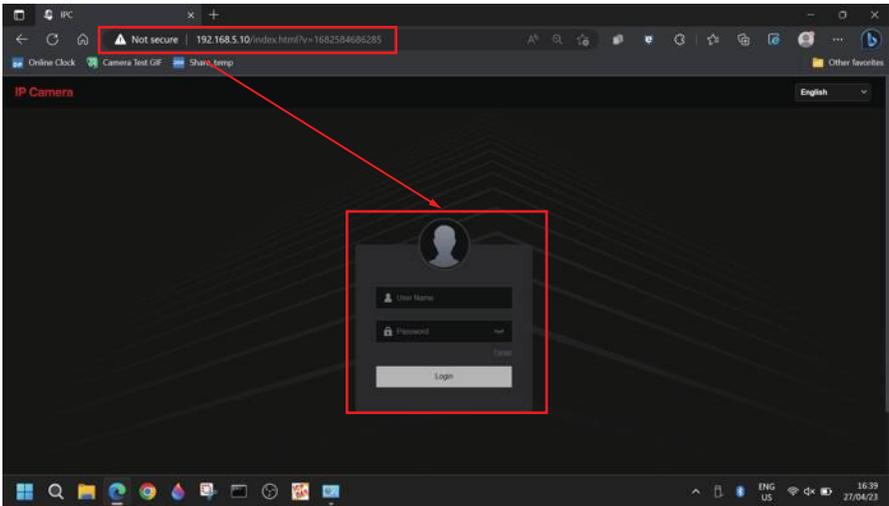
1. Prepare a LAN cable and a Windows PC/laptop with an RJ45 port to proceed with the following steps.
2. Press the power button to turn on the SV300 Wireless Camera.
3. Use the LAN cable to connect the SV300 Wireless Camera and PC.



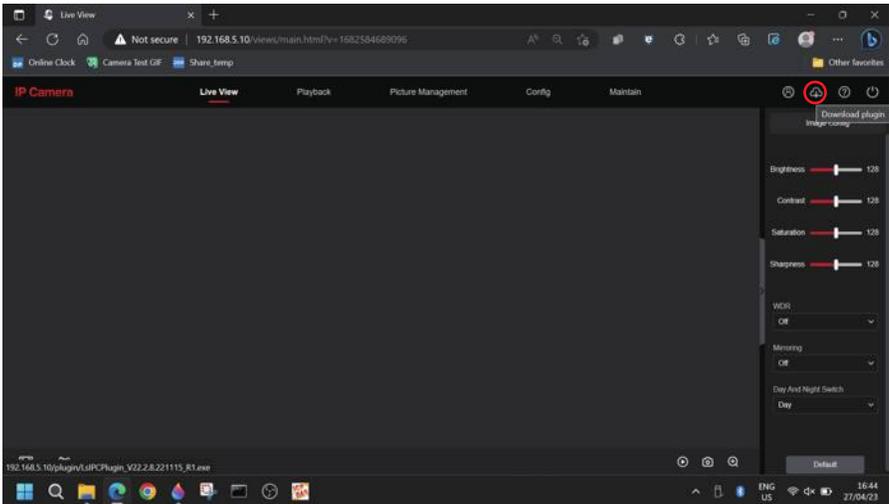
4. Manually set the IP address for your PC or laptop to connect the SV300 Wireless Camera:
  - a. PC/laptop IP address: 192.168.XXX.XXX (e.g. 192.168.5.112)
  - b. Subnet Mask: 255.255.255.0
  - c. Gateway: 192.168.XXX.1 (e.g. 192.168.5.1)



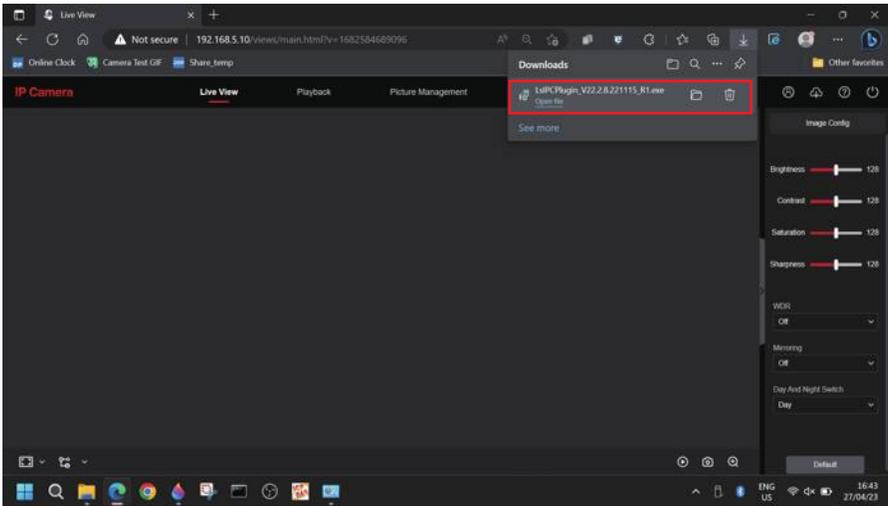
5. Launch your browser Chrome or Edge. Input the IP address of your SV300 Wireless Camera, and then input the camera account “admin” and password “Scarlet@5355” to login camera.



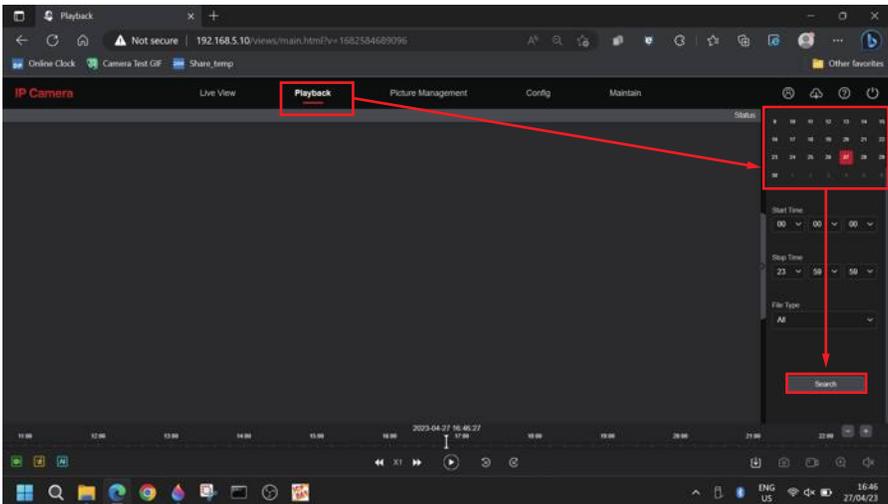
6. Select the “Download plugin” to download plugin file if you visit this page first time.



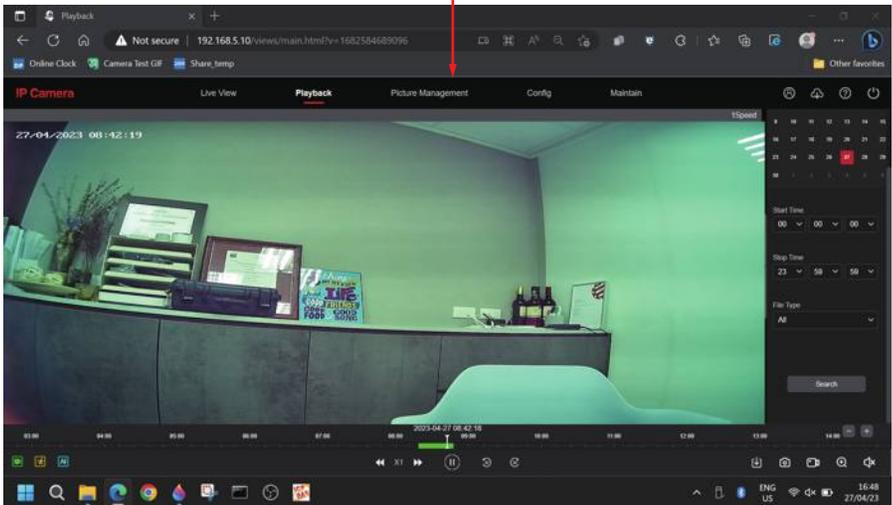
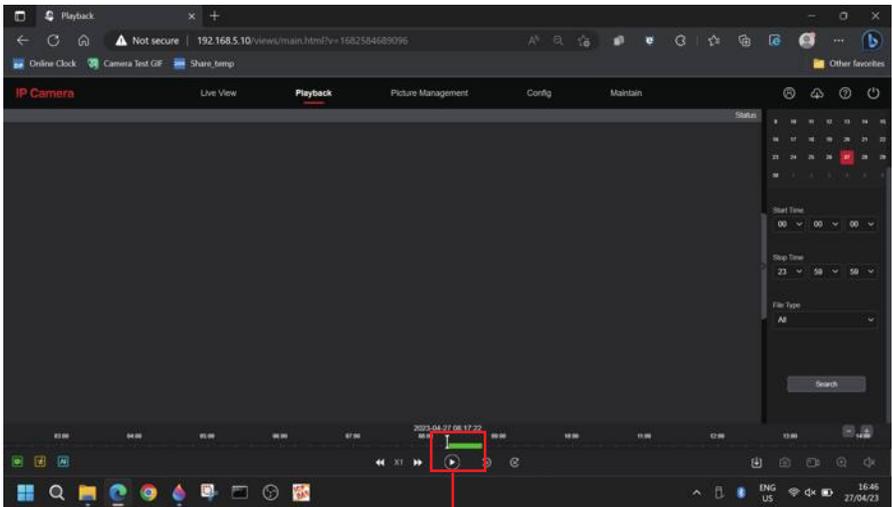
7. Open this file to install this plugin file on your PC or laptop.



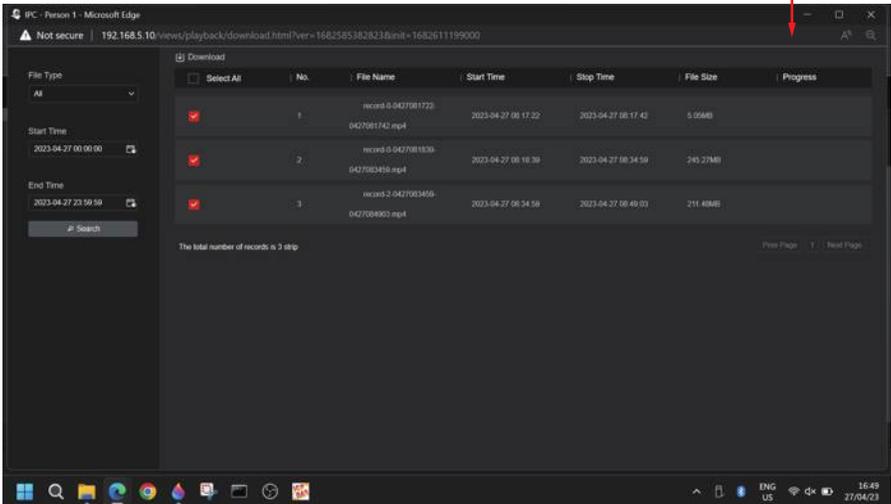
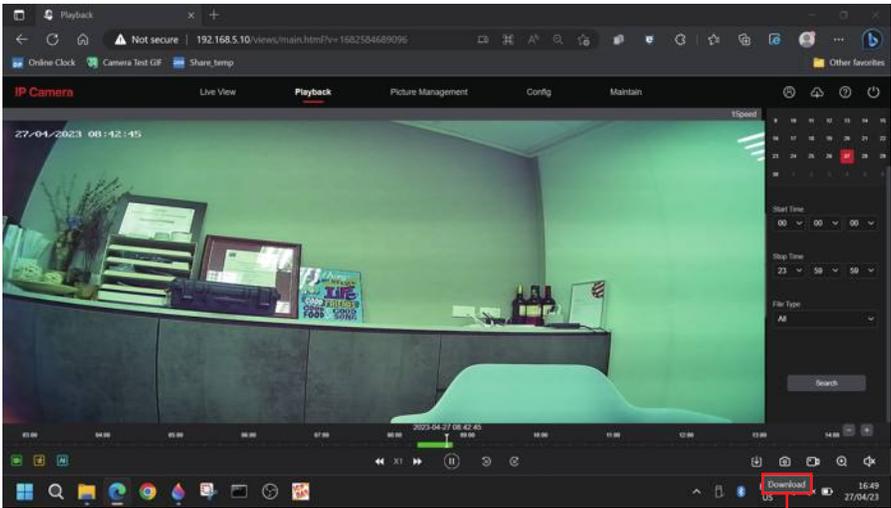
8. After installation process, launch the browser to login the SV300 Wireless Camera again. Select the page “Playback”, select the date and then click the search icon.



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.





Scarlet Tech Co., Ltd.  
© 2023 Scarlet Tech Co., Ltd. All rights reserved.  
4F.-3, No. 347, Sec. 2, Heping E. Rd., Da'an Dist., Taipei City 100, Taiwan  
info@scarlet.com.tw  
www.scarlet-tech.com

version 230619