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## PARKVISION SW-190

# PARKVISION SW-190 Multi-View Camera

Instruction Manual

Model: SW-190 | Brand: PARKVISION

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PARKVISION SW-190 Multi-View Camera. Please read this manual thoroughly before use to ensure proper functionality and safety. Keep this manual for future reference.

## 2. KEY FEATURES

- **180° Super Wide-Angle View:** This camera offers a horizontal 180° and vertical 120° ultra-wide-angle lens, suitable for both front and rear vehicle applications. It helps eliminate blind spots, preventing collisions and enhancing safety, especially for large SUVs or low-profile sports cars. Featuring an HD CMOS sensor for 600,000 pixel high-definition images, it incorporates distortion correction technology for a natural 180° view with minimal distortion.
- **Six Display Modes:** The camera features six multi-view modes to suit various driving scenarios: 180° Super Wide View, 130° Normal View, Corner Enlarged View, Top View, Corner View + 180° View, and Top View + 180° View. These modes are particularly useful for navigating T-junctions, avoiding parking stoppers with low-clearance vehicles, and enhancing overall front/rear visibility.
- **Multi-functional Operation:** This camera supports both normal and mirror image switching, allowing it to function as either a front or rear camera. It also offers the option to enable or disable parking guidelines, which project the vehicle's predicted path.
- **Multi-Angle Adjustment:** The camera's mounting bracket allows for position adjustment to suit various installation locations. After installation, the camera angle can be further fine-tuned to achieve the optimal viewing perspective.
- **6-Layer Glass Lens:** Utilizes a 6-layer glass lens for superior heat resistance and blur prevention, offering better performance than plastic lenses.

## 3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

1. Camera Unit (2m cable)
2. Mounting Hardware (Screws, 3M Tape, Wrench)
3. Extension Cable (0.5m)
4. Video Cable (6m)
5. Power Cable (1.2m)
6. Control Switch (6m)
7. Instruction Manual
8. Cable Tube

## ① カメラ本体 (2m)

## ② 部品 (ネジ・3Mテープ・レンチ)

## ③ 中継ケーブル (0.5m)

## ④ 映像ケーブル (6m)

## ⑤ 電源ケーブル (1.2m)

## ⑥ コントロールスイッチ (6m)

# 内容物一覧



180°スーパーワイドレンズマルチビューカメラ



○ SW-190

ワンポイント：カメラの取り付け位置は、撮影範囲に必ずカメラを接続してから、画像が正常に取得できるまで調整してください。カメラの取り付け位置は、撮影範囲の中心に調整してください。調整が完了したら、画像が正常に取得できるまで調整してください。もしも正常に取得できず、画像が正常に取得できない場合は、カメラの取り付け位置を調整してください。



チューブ



Image: All components included in the package. From left to right, bottom row: Camera, mounting hardware, extension cable, video cable, power cable, control switch. Top right: Cable tube and instruction manual.

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation of your PARKVISION SW-190 camera:

1. **Mounting the Camera:** Choose a suitable location for the camera, either at the front or rear of your vehicle. Use the provided screws or 3M tape to securely attach the camera bracket. Ensure the camera has a clear line

of sight.

2. **Adjusting the Camera Angle:** The camera features an adjustable bracket. Loosen the screw on the bracket with the provided wrench to adjust the camera's vertical and rotational angle for the optimal viewing perspective. Tighten the screw once the desired angle is achieved.
3. **Wiring Connection:** Refer to the wiring diagram below. Connect the power cable to a 12V DC power source (e.g., reverse light for rear camera, ACC for front camera). Connect the video cable to your monitor's RCA input. Ensure all connections are secure.
4. **Control Switch Connection:** Connect the control switch to the designated port on the camera's wiring harness. This switch allows you to change display modes and settings.



## 配線図

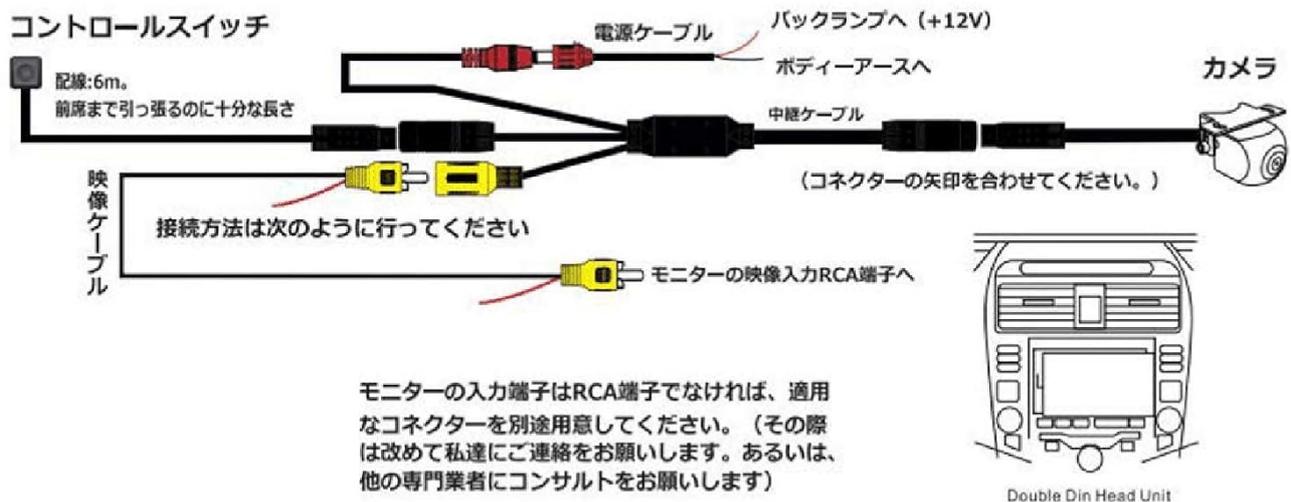


Image: Wiring diagram for the camera system. It illustrates connecting the camera to the power cable (to +12V backup lamp and body ground), the video cable to the monitor's RCA input, and the control switch.



Image: Camera angle adjustment. The top image shows vertical (up/down) adjustment, and the bottom image shows rotational adjustment.

## 5. OPERATING INSTRUCTIONS

The PARKVISION SW-190 camera offers multiple display modes and adjustable settings via the control switch.

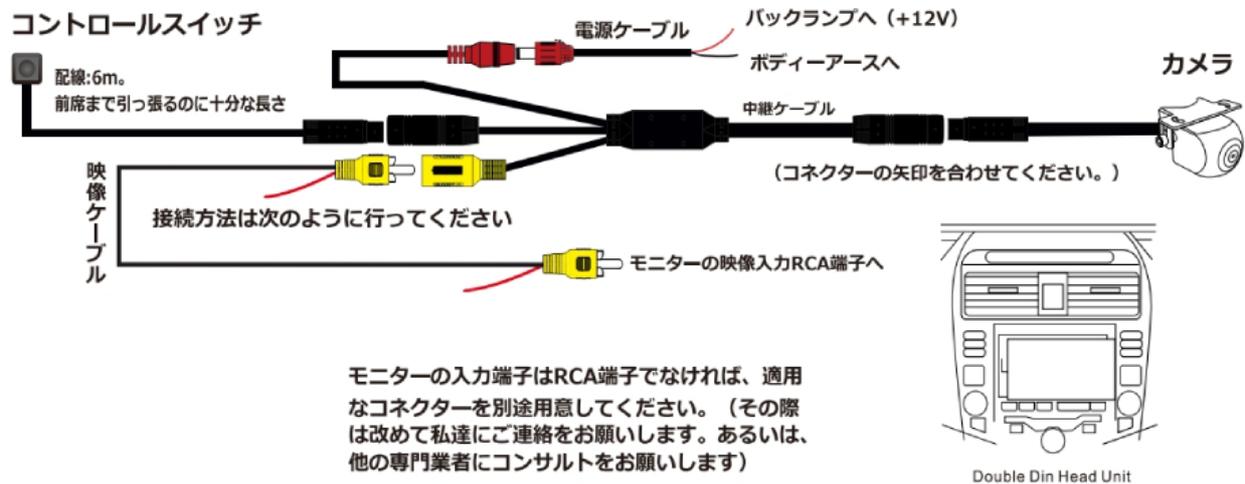
### 5.1 Switching Display Modes

Use the control switch to cycle through the six available display modes:

- 180° Super Wide View
- 130° Normal View
- Corner Enlarged View

- Top View
- Corner View + 180° View
- Top View + 180° View

## 取付説明 製品が不具合の場合は、必ずご連絡ください。



車両ごとにモニターの解像度が異なるため  
カメラとモニターを適合させた後、ユーザーはモニターの表示効果を調整する必要があります  
(設定 → ディスプレイ → 明るさ調整/コントラスト/彩度など)

Image: Six display modes. This image illustrates the various viewing options available, such as 180° wide, 130° normal, corner views, and top views.

## 5.2 Guide Line Adjustment and Image Switching

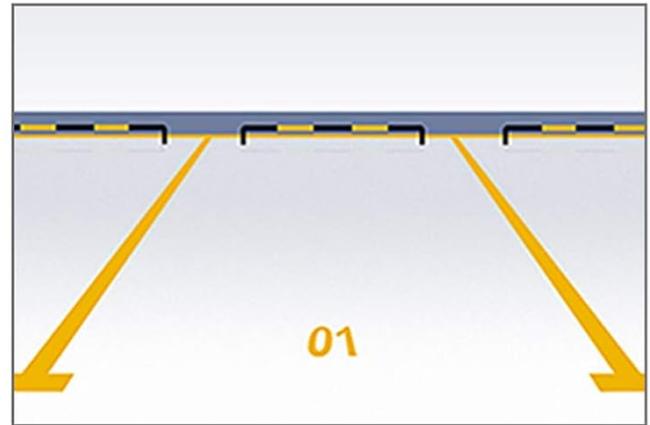
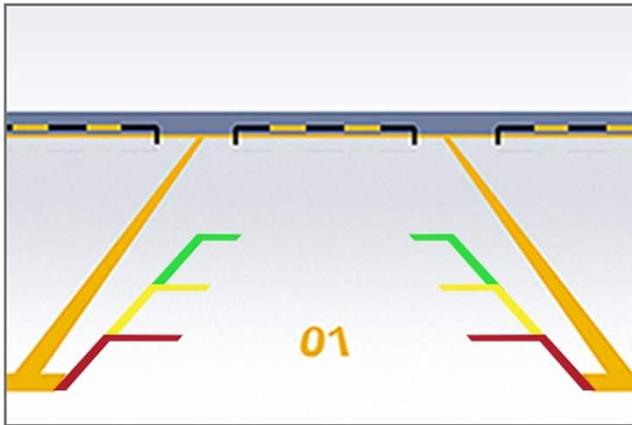
The control switch also allows you to:

- **Toggle Parking Guidelines:** Enable or disable the parking guidelines that appear on the screen.
- **Switch Image Orientation:** Change between normal image (for front camera use) and mirror image (for rear camera use).

# ボタン1つで多機能実現



## ガイド線ON&OFFの切替



## モードの削除&復帰

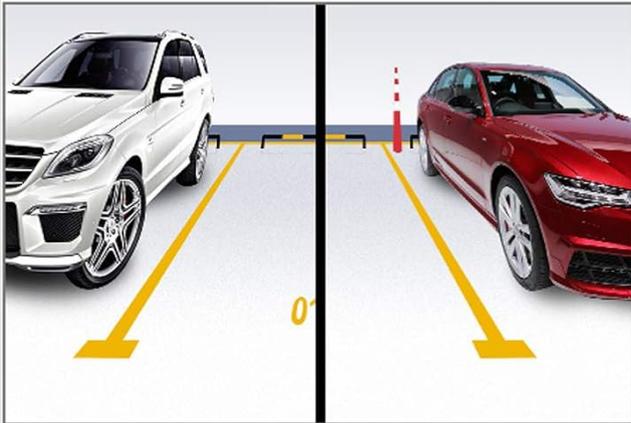


Image: Guide line ON/OFF switching and mode deletion/restoration. The top row shows guidelines enabled and disabled. The bottom row shows a 'deleted' pattern, indicating a mode change or setting adjustment.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your PARKVISION SW-190 camera, follow these maintenance guidelines:

- **Cleaning the Lens:** Regularly clean the camera lens with a soft, damp cloth. Avoid abrasive materials or harsh chemicals that could scratch the lens.
- **Cable Inspection:** Periodically check all cables for any signs of wear, damage, or loose connections. Secure or replace any compromised cables to prevent signal loss or power issues.
- **Mounting Security:** Ensure the camera remains securely mounted. Tighten any loose screws on the bracket as needed.
- **Environmental Protection:** While the camera is IP69 waterproof and dustproof, extreme temperatures or prolonged exposure to direct sunlight can affect its performance. Park your vehicle in shaded areas when possible.

## 7. TROUBLESHOOTING

If you encounter issues with your PARKVISION SW-190 camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	Loose power or video cable connection; No power to camera; Incorrect monitor input selected.	Check all cable connections. Ensure camera is receiving 12V power. Select the correct video input on your monitor.
Image is distorted or blurry	Dirty lens; Incorrect camera angle; Signal interference.	Clean the camera lens. Adjust the camera angle. Check for strong electromagnetic interference near cables.
Guidelines not appearing/incorrect	Guidelines disabled; Camera angle not optimal.	Use the control switch to enable guidelines. Adjust camera angle for proper guideline alignment.
Image is reversed (mirror/normal)	Incorrect image orientation setting.	Use the control switch to toggle between normal and mirror image.

If the problem persists after trying these solutions, please contact customer support.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	SW-190
Brand	PARKVISION
Color	Black
Optical Sensor Technology	CMOS
Optical Sensor Size	1/3 Inch
Lens Type	Wide Angle
Actual Angle of View	180 Degrees (Horizontal), 120 Degrees (Vertical)
Voltage	12 Volts DC
Mounting Type	Bracket
Waterproof/Dustproof Rating	IP69
Item Weight	0.36 Kilograms
UPC	705604427689

## 9. WARRANTY AND SUPPORT

**Warranty:** PARKVISION offers a 12-month quality warranty from the date of purchase. This warranty covers manufacturing defects and ensures product quality. Please retain your proof of purchase for warranty claims.

**Customer Support:** For product inquiries, technical support, exchanges, or returns, please contact PARKVISION-JP customer support via email. Our support team is available 24 hours a day to assist you.

**Email Address:** [b2c-jp@pjauto.com.cn](mailto:b2c-jp@pjauto.com.cn)

When requesting an exchange or return, please ensure you contact us via email first.