

Specifications

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| Model: | SVA023-S |
| Picture Type: | Day / Night (Color & B/W) |
| Image Sensor: | 1/4" CCD Sensor |
| Resolution: | 420 TVL |
| Lens Viewing Angle: | 120° |
| Infra Red Night Vision: | 2 Metres Infra-red Nightvision |
| Minimum Illumination: | 0 Lux (IR on) |
| DSP Functions | BLC (Back Light Compensation) Automatic Gain Control Automatic Shutter |
| Power: | DC 5V |
| Weatherproofing | Yes, IP 68 |
| Operating Temperature: | -30°C~75°C |
| Dimensions: | 19 x 13 x 19 (WHD) mm |

Warranty

TECHNICAL SUPPORT

For Technical Support please contact your local distributor.

LIMITED WARRANTY

This product is supplied with a 1 Year warranty. The Warranty excludes products that have been misused (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.

Manufactured exclusively for:  **SMARTWITNESS**
VEHICLE CCTV AND SAFETY SYSTEMS

www.smartwitness.com

Telephone: + 44(0) 8449 471 000

SVA023-S

Mini Ball Camera with IR Night Vision



BEFORE YOU BEGIN

- Please unpack the box carefully and identify that all the parts are present.
- The camera is suitable for indoor or outdoor use.
- Make sure you use the recommended power input. Damage caused to the camera by incorrect voltage is not covered by the warranty.
- Do not attempt to open the casing to access the camera. Damage caused to the camera by tampering with the camera casing is not covered by the warranty.

Product Description

The SVA023-S is a high quality Day/Night camera with 120° viewing angle and 2 metres IR night vision. It is designed for internal mounting inside a vehicle to watch the contents / occupants during the day or night. The camera can also be mounted externally and is ideal for viewing the rear of a vehicle.

It features a heavy duty casing for extra durability. Supplied complete with 8 metres of cable for easy installation.

The SVA023-S can be used with the Smart Witness 4 Camera Vehicle Journey Recorder (Model:SVC400GPS).

Features

- High quality Day/Night camera
- 120° viewing angle
- IR LEDs for 2M IR Night Vision
- Heavy Duty casing for extra durability
- Powered by a mobile DVR SVC400GPS
- Designed for internal / external mounting
- Supplied with 8 metres of cable
- 4 Holders included for Multi-Installations

Package Content

- Camera SVA023-S
- Video & power extension cable
- Screw pack
- Holders

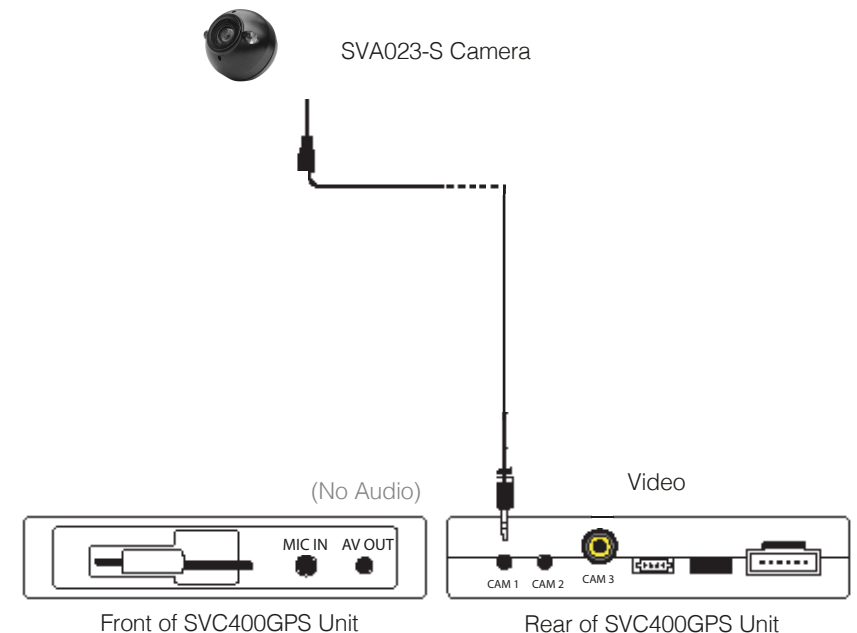
Holder Combination



J holder: (C+J) Flush mount upon rear mirror

- 1 Disassemble the rear mirror .
- 2 Use hollow saw to make a hole 21mm upon the shell.
- 3 Uninstall the metal ring from B rubber holder, then re-install the metal ring upon J rubber holder.
- 4 ~ 6 Same as steps 4~6 of A holder.
- 7 You may use the rubber ring 17mm to fill the gap between the rubber holder and the shell.

SVA023-S: Connection to a Mobile DVR



Holder Combination



H holder: (C+B+H)

- 1 B->H Insert rubber B to H holder, be aware of this is metal.
- 2 Place ring upon the rubber ring B.
- 3 C->B Insert the ball camera C into rubber ring B.
You may trim the bottom edge of the holder to cope with the curvature of the rear mirror.
- 4 ~ 6 Same as steps 4~6 of A holder.
- 7 Drill a hole ψ 5mm allow the cable to pass through vehicle.
- 8 Fix the H holder with stainless screws ψ 2.6 x 8/10mm.

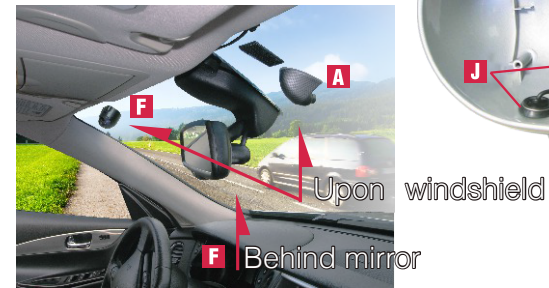
Holder Combination

There are 4 methods to install the ball camera, you may choose between A/F/H/J holder.

Please be aware that the groove width on B & J are different.



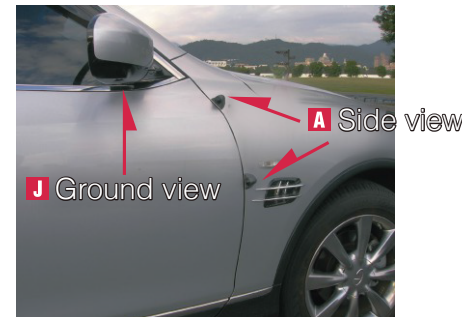
For Front View



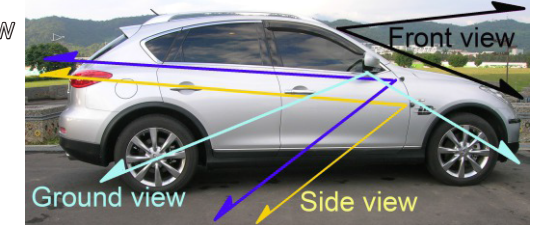
For Rear View



For Side View



For Surround View



Holder Combination



A holder: (C+B+A+E)

- 1 B->A Insert rubber B to A holder, please note there is a metal ring upon the rubber ring B.
- 2 C->B Insert the ball camera C into rubber ring B.
- 3 E->A Use 2x4mm screws to attach the E plate to A holder.
- 4 Fix the holder to the place you would like to place the camera using sticky tape.
- 5 Connect all the necessary cables, and try to test the image on a suitable monitor.
- 6 Use "U" shape tool D to adjust the camera to the right direction.
- 7 Use 3M double sided sticker (not provided) to permanently fix the holder. Be sure to clean both surface you would like to apply.

Holder Combination



F holder: (C+B+F+G)

- 1 B->F Insert rubber B to F holder, be aware of there is a metal ring upon the rubber ring B.
- 2 C->B Insert the ball camera C into rubber ring B.
- 3 G->F Use ϕ 2x4mm screws to attach the G plate to F holder.
- 4 ~ 6 Same as steps 4~6 of A holder.
- 7 Drill a hole ϕ 5mm to allow the cable to pass through the vehicle.
- 8 Attach the F holder to the vehicle with a 3M sticker (not provided) or reinforce with 2.6mm screws. If you want to fix the holder with screws, please be sure not to push in the B holder and camera before you install the screws. Be sure to clean both surface if you apply the sticker.
- 9 Please be aware that uninstalling the camera will be harder if you fix with screws.