

ASC Manual for Housing Model A-ODW7-300

Note: This unit is designed for installation of Remote Camera Only.

Prior to installation, both camera's manual and this manual must be read and understood completely.

Also prior to installation, check damage, defects, lack of accessories of this unit.

Installation shall be done by the qualified installer only.

Prior to installation, if questions arises regarding the installation, please consult and confirm with us.

This unit must be installed at the place/height where only skilled person or authorized instructed person can be access.

Step 1 Accessories

3 pcs of 3/4" Nylon Cable Gland and 2 pcs of Closure Plugs are provided.

Regarding Screws(e.g. 4 pcs of M4 Screws or 1/4-20x3/8 etc.) for mounting camera(Camera's ceiling bracket) is attached to Camera Bracket inside of Housing.



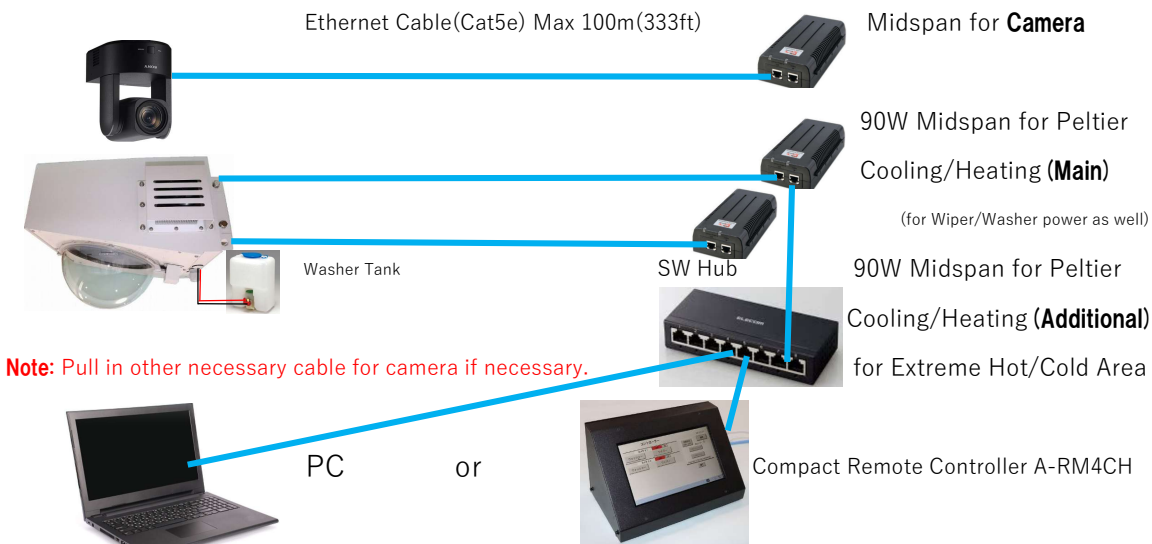
Step 2 90W POE Midspan is needed for Peltier Cooling/Heating

90W Midspan is necessary for Housing Cooling/Heating Device .

Use Microchip 90W Midspan Model PD-9601GC or equivalent to this model.

See and understand outline of our Housing System below before installation.

Note: You need separate Midspan for Camera.(or any separate power for camera)



Step 3 Wiper & Washer Control Software

Download Wiper & Washer Control Software by using CD provided or from our web.

* Software is already installed in Compact Remote Controller A-RM4CH(Optional).

Step 4 Specifications

Specifications	
Operating Environment	Outdoor
Operating Temperature	-20°C ~ 50°C (-4°F~122°F) * Additional Cooling/Heating Device will be needed for Extreme Hot/Cold Area.
IP Rate	IP66
Max Wind Load	66m/sec
Materials	Housing: Stainless(SUS304) (* Steel Body is optional.) Capsule: Clear Acrylic
Color	Offwhite (RAL9002 similar) Powder Coat Finish
Weight	Approx.23.6kg(52 lbs)including optional peltier cooling/heating device in case of Stainless Steel Body
Recommended Screw	3/8" or M10 Stainless Screws x 4 (Not included in product)
Peltier Operation Temperature	Cooling 35°C(ON) 32°C (OFF) 95°F(ON) 89.6°F(OFF) Heater 4.5°C(ON) 6.5°C(OFF) 40°F(ON) 43.7°F(OFF)
Input Power for Housing (Cool/Heat/Wiper/Washer)	Standard Peltier Cooling/Heater device : IEEE802.3bt(Class 8, POE++ standard) 42~57V,71.3W x 1 unit
*Need Separate Power for camera	Additional Peltier Cooling/Heater device : IEEE802.3bt(Class 8, POE++ standard) (Optional) 42~57V,71.3W x 1 unit * Input Power Requirement of 90W Midspan MICROCHIP Model PD-9601GC AC Input Voltage 100 to 240VAC, AC Input Current: 1.35A AC Frequency: 50/60Hz
Maximum Weight of Camera	7 kg (15.5 lbs)
Maximum Power of Camera	71.3W
Control Method of Wiper/Washer	LAN by Windows Base PC(or our Windows Base Remote Controller)
Electromagnetic Emission and Immunity	EN 55032, EN 55035, EN 50130-4, FCC Part 15 Class A,
Immunity	ICES-003 Issue 7
Compliance & Standard	RoHS, REACH, CE, RCM, UL/IEC/EN 62368-1(UL File# E313815) * Stainless Body only UL Registered.

* This device complies with Part 15 Class A of the FCC rules.

Step 5 How to open Housing



Do not peel off Protective Film on Capsule !

1) Loosen 3 pcs of M4 Screws 5~8mm on the back.

2) Loosen the rest of M4 Screws(9 pcs)

* Do not remove these 3 screws.

* You cannot remove Fall Prevention Screws.



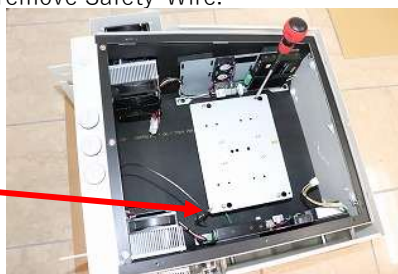
3) Disconnect 5 pin **Connector** and 2 **Safety-Wires**.

4) Remove Camera Bracket by **loosening** approx. **3mm** of 10-32x1/2 Screws 4 pcs and remove Safety-Wire.



Connector

Safety-Wire



5) Remove Wall Bracket.



CAUTION: Do not loosen 10-32x1/2 Screws 4pcs more than 3mm !

*1/2inch = 12.7mm

Step 6 How to install Housing on Pole/Wall

1) Install Wall Bracket on Pole/Wall by using 4 pcs of Stainless 3/8" or M10 Screws.

(Screws are not provided.)

* Designated Torque: 24N · m

You can use max 8 pcs of screws.



2) Install Housing on Wall Bracket.

Designated Torque:



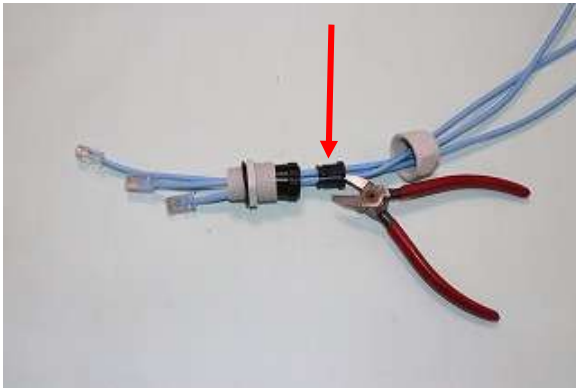
Hole(φ 20mm) for Safety-Wire.

(Safety-Wire for Housing is not provided.) Oval Hole for handling Housing.

Step 7 Pull in Necessary Cables

For example, in case of the above Step 2 outline of our Housing System, pull in 3 Ethernet Cables(Cat5e).

Pull Washer Power Cable(RED/BLK) in Housing.



Cut Rubber Gasket for Ethernet Cable with RJ45 Connector

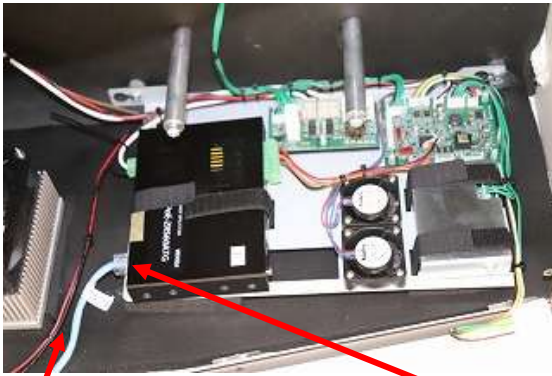


Bridge the gap between Cable and Conduit Pipe to prevent the entry of moisture and dust by using Fire-Resistant Putty(not provided).

Step 8 Connect Ethernet Cable to Part No. POE-ZRS60ATG

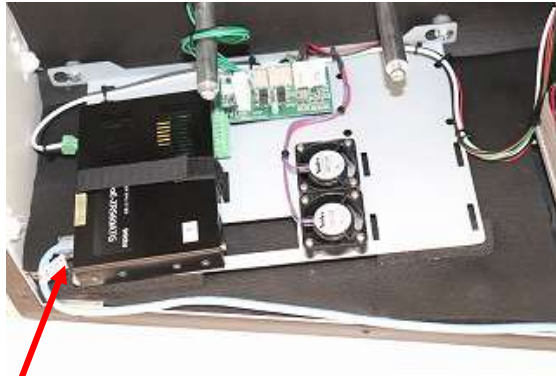
Main Unit for Cool/Heat/Wiper/Washer

Additional Unit Cool/Heat (Optional)



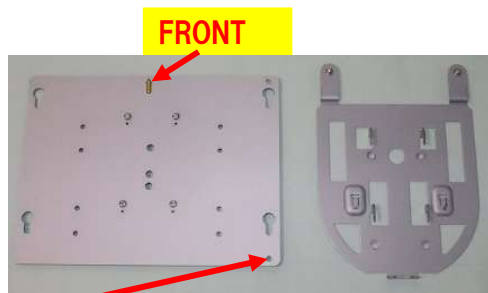
Washer(RED/BLK)

Ethernet Cable(Cat5e)



Step 9 Installation of Camera (Example of SONY BRC-AM7)

Install Camera by using Ceiling Bracket. Pay Attention to FRONT mark on bracket.
Connector side should come in FRONT.



Hole for Safety Wire



Slide Camera Bracket and tighten 10-32 screw.

(Designated Torque: 3.0N · m)

Hook Safety-Wire !



Connect Ethernet Cable to Camera.



Connect **Washer Cable**(RED/BLK)

Step 10 Closing Housing (Do not peel off Protective Film !)

Hook Safety-Wire and connect Wiper connector



Slide Capsule Unit in 3 pcs of M4 Screws on the back first. **Push in Wire/Connector!**



Then, tighten this front M4 Screw by 80% of designated torque.



Then, tighten the rest of all M4 Screws gently by 80% of designated torque.
(Do not tighten each screw by 100% of designated torque from the beginning !)
⚠ CAUTION: Push M4 Screw at right angle!
(Photo is standard slant 10 degree type.)

Designated Torque of M4 Screw: $0.3\text{N} \cdot \text{m}$

⚠ Do not use Electric Screw Driver !



Step 11 Washer



Connect Washer Cable(RED/BLK) and Washer Tube.
* Windshield Washer Fluid is User Provided Item.



Do not use Water !

Plastic Nozzle might be broken when water freezes due to expansion of ice.

Adjust the direction and height of Washer Nozzle if the original setting is not good.



At the beginning Washer Tube is empty.
So click Washer Button 3-4 times quickly.

Step 12 Maintenance and Trouble Shooting (Required Tool: Phillips Screwdriver only)

Basically consult with us by clicking "CONTACT US".

<http://www.kk-asc.com>



Check **GREEN LIGHT** of Midspan first !



You can replace whole Electronics Unit by just losing 2 screws.

MAIN



ADDITIONAL



Capsule is made of Acrylic.

Please use Windshield Fluid and soft material such as micro-fiber to clean capsule.

Maintenance Parts:

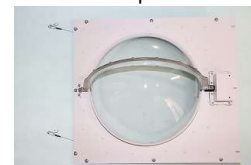
Replacement Capsule for Wiper: A-RCP300C-H

Replacement Capsule for Non-Wiper: A-RCP300C

Replacement Capsule & Wiper Whole Unit(See Photo): A-RCW300WU

Replacement Wiper Blade: A-RWB300

Regarding other parts, please contact us.



Peltier Cooling/Heating

90W Splitter POE-ZRS60ATG

Cooling/Heating CPU

Wiper/Washer CPU

Condenser Unit for Washer

Fan: EUDC12D8



<http://www.kk-asc.com>

Manufactured by

ASC

ASC Corporation
3-16-9, Toranomon, Minato-ku, Tokyo 105-0001, Japan

(Wholesale for U.S.A Market only)

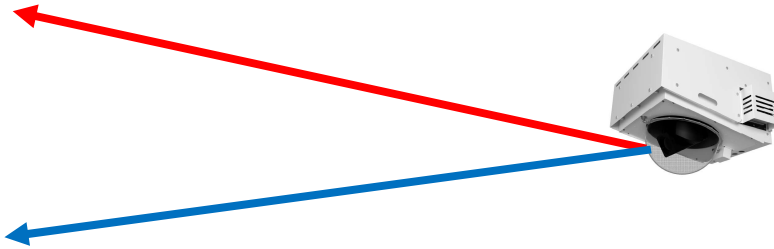
ASC-USA, INC.
5975 Shiloh Road, Suite 103, Alpharetta, GA 30005

APPENDIX

1) Do not use this Housing by Flipping it.



2)  Do not see SUN directly.



After operation, direct Camera Lens **DOWNWARD** to
PROTECT IMAGE SENSOR of Camera.

