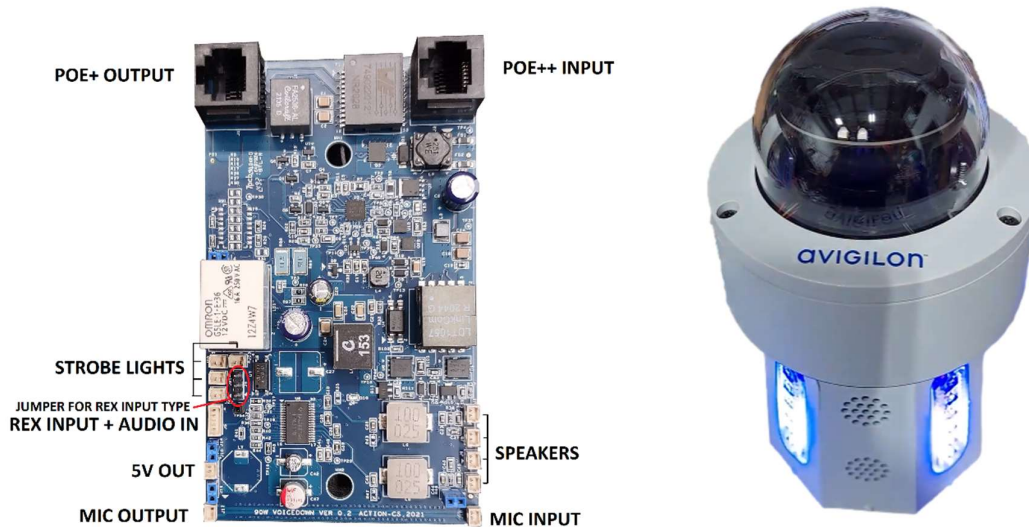


## Voice Down Specifications & Install Guide for Avigilon

### Product Pinouts:



### Product Specifications:

Upstream Ethernet	IEEE 802.3-Compliant up to Class 4 90W POE++ PD. Supports 10/100/1000BASE-T Ethernet connections
Downstream Ethernet	IEEE 802.3at POE PSE Interface. Supports 10/100/1000BASE-T Ethernet connections.
Power Inputs	PoE++ 90 watt
Aux Input	Auxiliary adapter support (48 V to 57 V) 1.57A
Strobe Lights	(3) Strobe Lights triggered by Rex Input controlled by Digital/Alarm Out on the IP Camera
Rex Input	Supports both High and Low trigger configurable by a Jumper
Audio Input	Input from Audio Out on the IP Camera, controlled by VMS
Audio Output	Maximum power output is 60-W mono Class-D audio amplifier
Onboard Speakers	(4) 12W full-range speakers
Mic Input	Connects to Audio in on the IP Cameras

Questions? – Email: [Support@action-cs.com](mailto:Support@action-cs.com) OR Call: 206.237.7250

### Installation and Wiring Guide

1. Feed the cameras cables up through the voice down and out the top.
2. Secure the camera to the housing with at least 1 screw but leave it loose so the camera can be rotated out of the way. This will be needed to get a long ball end Allen key/screwdriver up to the mounting screws to secure them.
3. Connect an ethernet cable from the outbound port to the cameras ethernet port.
4. Connect the cameras “alarm out/Digital out” to the REX input on the voice down. Take note of the polarity in the wiring chart below. NOTE: If lights don’t turn off or on, please move the jumper.
5. Connect the Mic cables from the voice down to the camera, taking care of the polarity in the chart below.
6. Connect the “audio out” of the camera to the voice down audio in wires, per the wiring chart below, taking care to wire them with the correct polarity.
7. Head to the mounting location and crimp on an RJ45 without a boot and connect it to the “POE++” input of the voice down.
8. Mount the assembly to the wall and ceiling and secure it by itself or with the OPTIONAL: Heavy Duty wall mount.
9. Secure the camera to the voice down, and tighten the antitamper screw.
10. Test the unit.

### Wiring Color Key

Wire Color	Purpose
Blue	Alarm Out/Digital out (Low)
White	Digital Out/Alarm Out (Hi)
Yellow	Alarm Out/Digital Out Ground
Red	Audio Out
Black	Blue Audio Out Ground
Orange	Mic
Brown	Mic Ground

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## Wiring Diagram for Avigilon Cameras



Wire	Color	Description
1	Blue	AUX1 Power, accepts either polarity
2	Brown	AUX2 Power, accepts either polarity
3	White	Audio IN
4	Yellow	Audio GND
5	Green	Audio OUT
6	Purple	Relay OUT
7	Gray	Relay GND
8	Red	Relay IN

### Wiring Color Key

Action-CS Wire Color	Avigilon Wire Color
Blue	Purple (6)
White	Black
Yellow	Gray (7)
Red	Green (5)
Black	Yellow (4)
Orange	White (3)
Brown	Yellow (4)