

WIREFATH

SURVEILLANCE



WPS-350-DOM-A-WH
WPS-350-DOM-A-BL

DOME
CAMERA



PACKAGE CONTENTS

- (1) WPS-350-DOM-A
- (1) AC/DC Plug
- (1) BNC Test Port Adapter
- (3) Screws
- (3) Wall Fasteners
- (1) 3mm Allen key
- (1) Foam gasket
- (1) Installation Manual
- (1) Spare Silica Pack in Vacuum sealed bag

NOTE 1: A POWER SUPPLY IS NOT INCLUDED WITH THIS CAMERA.

The PS-12DC-1A or WPS-PS multiple output power supplies are recommended.

NOTE 2: *A Silica Gel package is mounted inside the dome housing. This package should remain inside the housing after installation.*



OPTIONAL ACCESSORIES

Wirepath Surveillance offers a wide range of accessories that provide power to the cameras, allow for various mounting options, and make connection to the head end quick and easy.

MOUNTS

- **WPS-MNT-EXT-DOM Dome Camera Extension Mount**
Use to extend the camera away from the ceiling, and to hide wires for locations where wires cannot be placed into the ceiling.
- **WPS-MNT-FLUSH-DOM Dome Camera Flush Mount**
Use to mount the camera ceiling for flush clean appearance.
- **WPS-MNT-L-DOM-WH Dome Camera L Mount**
Use when the dome is to be mounted away from the wall, and to hide wires for locations where wires cannot be placed into the wall.
- **WPS-MNT-ARM-DOM-WH Dome Camera Arm Mount**
Use when the dome is to be mounted away from the wall, and to hide wires for locations where wires cannot be placed into the wall.

Power Supplies

Local Power Supplies

- **PS-12DC-1A**
12 Volt 1 Amp Power Supply for Cameras & IR Systems

Remote Power Supplies

Use these remote power supplies to power all the cameras in the system from a remote location.

- **WPS-PS9-12VDC-10A**
9 Output Power Supply - 12V DC, 10A - PTC Fuses
- **WPS-PS9-24VAC-12A**
9 Output Power Supply - 24V AC, 12A - PTC Fuses
- **WPS-PS18-12VDC-18A**
18 Output Power Supply - 12V DC, 18A - PTC Fuses



WIRING ACCESSORIES

In addition to mounts and power supplies, Wirepath offers a full line of accessories to easily send power, audio, and video over 2 conductors of Cat5 wiring back to the head end.

Visit www.SnapAV.com for a complete listing of accessories.

- **WPS-BAL-V-PIGTAIL**
Mini Passive Video Balun with Pigtail and Screw Terminals
- **WPS-BAL-V-MINI**
Mini Passive Video Balun with Pigtail and Screw Terminals
- **WPS-BAL-V-COMBO**
Mini Passive Video Balun with Screw Terminals Combo Pack Contains: 1 WPS-BAL-V-PIGTAIL and 1 WPS-BAL-V-MINI
- **WPS-BAL-VP**
Passive Video and Power Balun with RJ45
- **WPS-BAL-VPA**
Passive Video, Power, Audio Balun with RJ45
- **WPS-BAL-VPD**
Passive Video, Power, PTZ Balun with RJ45
- **WPS-ACC-PWR-F & WPS-ACC-PWR-M**
DC Power Plug with Screw Terminals Available in Male and Female version 10packs.
- **WPS-ACC-PWR-1X2**
DC Power Splitter Cable - 1 Female to 2 Male Connectors
- **WPS-ACC-PWR-1X4**
DC Power Splitter Cable - 1 Female to 4 Male Connectors
- **WPS-ACC-MIC**
Mini Microphone 12V DC Amplified
- **WPS-ACC-GND-ISO**
Ground Loop Isolator Male to Female BNCs



FEATURES

- **1/3" Sony Super HAD II CCD**

The Sony Super Had II CCD is ideal for low lux illumination resulting in a clear and crisp image.

- **Varifocal Auto-Iris Lens**

This camera features a varifocal lens with a focal length of 4-9mm to offer flexibility during installation. The auto-iris function intuitively manages the amount of light passing through the lens for consistent image brightness in varying lighting conditions.

- **Built-In Infrared with Smart IR**

IR LEDs provide the ability to capture images during night and low light conditions. Smart IR prevents IR over-exposure when an object is close to the camera

- **3-Axis Gimbal**

A 3-axis gimbal design provides for a wide range of camera positioning angles through mechanical adjustment for both wall and ceiling mount applications.

- **Video Test Port**

Adjust angle, zoom, and focus at the camera for fast and easy installation.



INSTALLATION

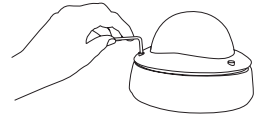
1. Prepare Camera for Mounting

Prior to mounting to the Camera, we recommend that the position and angles be preset in order to speed installation. These settings can be fine-tuned once the Camera is mounted.

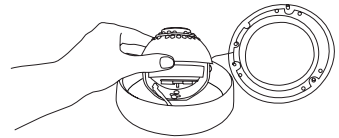
Important Note: To avoid damaging the dome surface during installation, keep the dome surface away from walls and other objects. Do not remove the protective coating from the dome until after the camera is mounted and the dome installed.

Microfiber or similar cloths can be abrasive, only use a dry eyeglasses cloth when cleaning the lens to avoid damage that can blur the cameras image.

- A. Open the camera by using the provided 3mm Allen key to remove the three screws on the dome cover.



- B. Pre-adjust the camera's 3-axis angle so the lens points in the desired direction. The lens angle should not exceed 50° off the center axis.

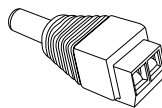
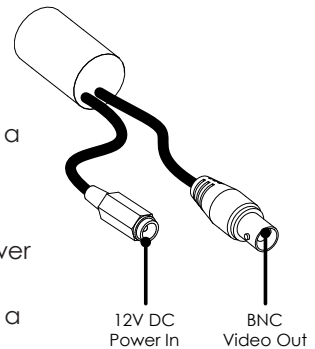


1. Connect The Camera to the System

Recommended Cabling

Video RG59 or RG6
Power 18/2 or Cat5e/6

- A. Connect the BNC video output to the video in of a DVR or monitor.
- B. Connect the DC Power In to a 12V DC 1A power supply using the included WPS-ACC-PWR DC power adapter on the wire. The power supply can be located at the head end of system if you prewire a power wire.



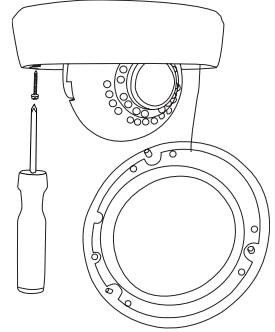
Important Note! Be sure that the polarity and the voltage of the power supply connection is correct before attempting to power the camera. Backward polarity or any more than a 12 volt DC power supply will damage the camera. The power supply used must be rated to 1 amp per output minimum.



2. Mount the Camera

Important Note: To avoid damaging the dome surface during installation, keep the dome surface away from walls and other objects. Do not remove the protective coating from the dome until after the camera is mounted and the dome installed.

- A. Mounting directly to a wall or eve:
 - A.1 - Use the provided foam gasket as a template to pre-mark mounting hole locations.
 - A.2 - Pre-drill holes in the marked locations.
 - A.3 - Connect the wires from the wall to the Camera Pigtail and insert them into wall.
 - A.4 - Position the Camera base over the marked holes from step 3-A-1.
 - A.5 - Secure the Camera with the provided screws
- B. Mounting to a Single gang Junction Box

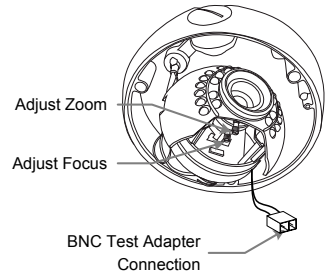


If using one of the optional Wirepath Mounts (see Optional Accessories). Follow the instructions in the manual that is supplied with the mount and then proceed to step 4.

3. Fine-Tuning Camera Adjustments

The camera is supplied with a BNC Test Adapter that allows for viewing the output of the camera on a monitor or the WPS-CCTV-TESTER (not included). Use this connection to adjust the camera directly from the installed location.

- A. Connect the BNC Test Adapter Connection to a monitor or WPS-CCTV-TESTER video in.
- B. Adjust the camera's 3-axis angle so the lens points in the desired direction. The lens angle should not exceed 67° off the center axis.
- C. Loosen, but do not remove the zoom and focus set screws on the lens.
- D. Rotate the lens until you achieve the desired setting.
- E. Once the Zoom and Focus are adjusted, disconnect the WPS-CCTV-TESTER or Monitor from the Local Test Connections.





TROUBLESHOOTING

If you have trouble operating the camera, first refer to the following guidelines. If the problem persists, contact Technical Support at 866.838.5052.

Nothing appears on the display

- Check if the power for camera and monitor is ON.
- Check if the VIDEO cable is connected to the camera BNC video output jack.
- Check if the VIDEO cable is connected to the monitor VIDEO input jack.

Image appears dim on the display

- Check the monitor contrast setting.
- Check the monitor brightness setting.
- Check the lens. If necessary, clean with a soft, clean cloth.
- Check if the camera is facing towards a bright light. If so, change the camera position.
- If a device exists between the camera and screen, confirm the signal accepted by the screen is strong enough – 75 Ohm.

Image appears blurry on the display

- Check the inside and outside of the lens for scratches and dirt. Clean the lens using a dry eyeglasses cloth.
- Verify that the lens is no more than 50° off center axis.
- Check the focus of the lens.
- Check the lens. If necessary, clean the inside of the dome to remove these smudges using a dry eyeglasses cloth.
- Confirm the rubber gasket is sealed against the inside of the dome housing
- The camera is not working properly and the camera housing is hot

The camera is not working properly and the camera housing is hot

- Check if camera is connected to the correct power source.

Condensation Appears on Camera Lens Cover

- Check the color of the beads in the Silica pack under the lens cover.
 - If the blue crystals have turned pink indicating that the pack has absorbed moisture, replace the pack with the spare provided with the camera.

Camera Power Cycles Intermittently

- Check voltage at camera for proper voltage level.
- Connect camera locally with a different power supply to test.

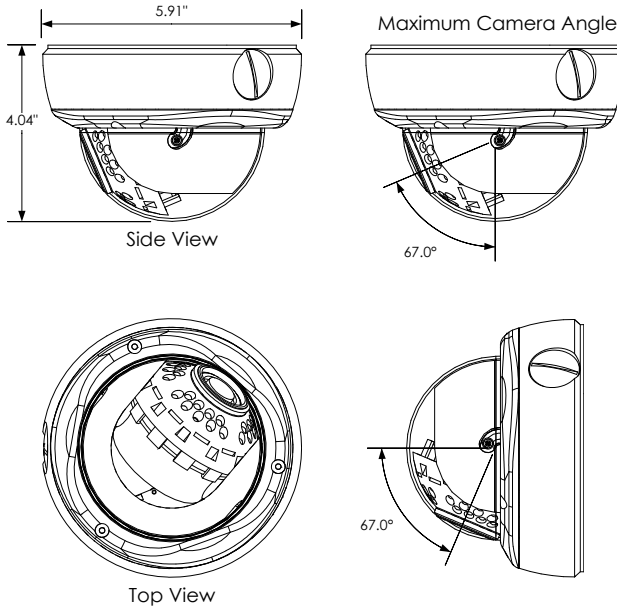


SPECIFICATIONS

Image Sensor	1/3" Color Sony Super HAD II
Number of Pixels	NTSC:768(H)x494(V)
Lens	4~9mm Auto Iris Vari-Focal Lens, Horizontal FOV 60°(W)~30°(T)
Shutter Control	60~1/100,000 sec
Video Test Port	Yes
Auto IRIS	Yes
Auto Electronic Shutter	ON
Auto Gain Control	ON
Back Light Compensation	ON
Auto White Balance	ON
Sync. Mode	Internal Sync
Scanning System	2:1 Interlace
Resolution	550 TV Lines
S/N Ratio	>48dB
Gamma	0.45
Minimum illumination	0.01 Lux color, 0 Lux IR on
IR LED Count	24
IR Range	65ft
Smart IR	Yes
Horizontal Sync. Frequency	NTSC: 15.734KHz
Video Output	1.0Vp-p,75ohm
Power Source	12 VDC (500 mA) – Not included
Power Consumption	3.6W 300mA
Operating Temperature	14F-140F
Weather Proof	IP66 Grade
Certifications	CE, FCC, ROHS
Dimensions	4.04" H x 5.91" W



DIMENSIONS



WARRANTY

5-Year Limited Warranty

This camera has a 5-Year Limited Warranty. The warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified, disassembled or improperly installed. Products to be repaired under this warranty must be returned to Wirepath™ Surveillance or a designated service center with prior notification and an assigned return authorization number (RA).

CONTACTING TECHNICAL SUPPORT

Phone: (866) 838-5052 (704) 909-5229

Email: TechSupport@SnapAV.com

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