

## Dahua PFA135

# Dahua PFA135 Junction Box User Manual

Model: PFA135

## 1. OVERVIEW

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The Dahua PFA135 Junction Box is designed to provide a secure and organized enclosure for wiring connections of compatible Dahua security cameras. Constructed from durable aluminum, this junction box offers protection for cable connections against environmental elements, ensuring a clean and professional installation. Its compact design integrates seamlessly with various camera models, facilitating both wall and ceiling mounting applications.



**Figure 1:** Dahua PFA135 Junction Box. This image shows the white, circular aluminum enclosure. The interior features multiple screw mounting points for camera attachment and cable routing. A side port with a removable cover is visible for cable entry, allowing for discreet cable management.

## 2. COMPATIBILITY

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The PFA135 Junction Box is specifically designed for use with various Dahua IP and HDCVI camera series. Ensure your camera model is listed below for proper fit and function.

- **IP Camera Series:** HFWxxR-VF/Z, HFWxxB, HFWxxD
- **Specific IP Camera Models:** HFW2200R, HFW2300R-VF, HFW2300R-Z
- **HDCVI Camera Models:** HFW1200R-VF, HFW2220R-Z, HFW1100/1200/2120/2220B/-D, HFW4120/4220/4221/4421B/-D

## 3. SETUP AND INSTALLATION

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Proper installation of the Dahua PFA135 Junction Box is crucial for optimal performance and protection of your security camera's wiring. Follow these steps carefully.

### 3.1. Tools Required

- Drill
- Screwdriver (Phillips head recommended)

- Pencil or marker
- Measuring tape
- Safety glasses
- Appropriate wall anchors/screws (not included)

### 3.2. Installation Steps

1. **Select Mounting Location:** Choose a flat, stable surface suitable for mounting the junction box and camera. Ensure the location provides adequate cable access and camera coverage.
2. **Mark Drilling Points:** Position the junction box against the mounting surface. Use a pencil or marker to mark the locations for the mounting screws through the designated holes on the back of the junction box.
3. **Drill Pilot Holes:** Using an appropriate drill bit for your mounting surface (e.g., masonry bit for brick, wood bit for wood), drill pilot holes at the marked locations. If mounting to drywall, install suitable wall anchors.
4. **Attach Junction Box:** Secure the junction box to the mounting surface using screws. Ensure it is firmly attached and level.
5. **Cable Management:** Route the necessary camera cables (power, video, network) into the junction box through the side cable entry port. Remove the cover from the side port if needed.
6. **Mount Camera:** Align the camera's mounting base with the screw holes inside the junction box. Secure the camera to the junction box using the provided camera mounting screws.
7. **Connect Wiring:** Make all necessary electrical and data connections for the camera inside the junction box. Ensure connections are secure and properly insulated.
8. **Close and Seal:** Carefully arrange the cables within the junction box to avoid pinching. Close the camera base onto the junction box, ensuring a tight seal to protect internal components from environmental factors.

## 4. OPERATING INSTRUCTIONS

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The Dahua PFA135 Junction Box is a passive component designed to house and protect camera wiring. Once installed, no further operational steps are required beyond ensuring the camera is functioning correctly and its connections are secure within the box. Regular visual inspection is recommended to confirm the integrity of the installation.

## 5. MAINTENANCE

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To ensure the longevity and continued protection offered by your PFA135 Junction Box, periodic maintenance is recommended.

- **Annual Inspection:** Annually inspect the junction box for any signs of physical damage, corrosion, or loose mounting screws.
- **Seal Integrity:** Check the integrity of the seal between the camera and the junction box, especially in outdoor environments, to prevent moisture ingress.
- **Cleaning:** If necessary, gently clean the exterior of the junction box with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.

## 6. TROUBLESHOOTING

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This section addresses common issues related to the installation and function of the PFA135 Junction Box.

- **Issue: Junction box is not securely mounted.**

**Solution:** Ensure appropriate screws and wall anchors are used for the mounting surface. Re-tighten screws or relocate if the mounting surface is compromised.

- **Issue: Water or moisture inside the junction box.**

**Solution:** This indicates a compromised seal. Disassemble, inspect the sealing surfaces of both the camera and the junction box for debris or damage. Reassemble carefully, ensuring a tight fit.

- **Issue: Cables are pinched or damaged.**

**Solution:** During installation, ensure cables are routed without excessive bending or pressure. Re-open the box, inspect cables, and re-route if necessary to prevent damage.

## 7. SPECIFICATIONS

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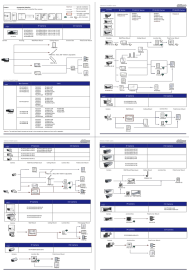

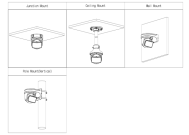


Material	Aluminum
Dimension	φ90x33.7mm
Thread	M20(G1/2")
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Humidity	0~90% RH
Load Bearing	1.0 Kg (2.2 lbs)
Weight	0.14 Kg (0.31 lbs)
Color	White

## 8. WARRANTY AND SUPPORT

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For warranty information and technical support regarding your Dahua PFA135 Junction Box, please refer to the official Dahua website or contact your authorized Dahua dealer. Keep your purchase receipt for warranty claims. Do not attempt to repair the product yourself, as this may void the warranty.

### Related Documents - PFA135

	<p><a href="#">Dahua Camera Accessories Selection Guide</a></p> <p>A comprehensive guide to selecting Dahua camera accessories, including various camera types, mounts, and junction boxes.</p>
	<p><a href="#">Dahua DHI-KTP01(S) IP Video Intercom Kit Datasheet</a></p> <p>Comprehensive datasheet for the Dahua DHI-KTP01(S) IP Video Intercom Kit, detailing its components: video intercom station, surface box, SIP monitor, and PoE switch, along with their specifications and features.</p>
	<p><a href="#">Dahua IPC-PDW5849-A180-E2-ASTE-0360B Mounting Options and Installation Methods</a></p> <p>Explore the various mounting solutions for the Dahua IPC-PDW5849-A180-E2-ASTE-0360B surveillance camera, including junction, ceiling, wall, and vertical pole mounting configurations.</p>
	<p><a href="#">Dahua Bullet Network Camera Quick Start Guide</a></p> <p>This Quick Start Guide provides essential information for setting up and operating Dahua Bullet Network Cameras. It covers safety instructions, network configuration, installation procedures, operation with the DMSS app, and maintenance tips.</p>
	<p><a href="#">Dahua LCS-M600 LED System Control Box User Manual</a></p> <p>User manual for the Dahua LCS-M600 LED System Control Box, detailing its technical specifications, dimensions, and operating parameters for LED video wall control.</p>



**Eyeball Network Camera**  
Quick Start Guide



ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD. 91500

[Dahua Eyeball Network Camera Quick Start Guide](#)

Quick start guide for Dahua Eyeball Network Cameras, covering installation, network configuration, safety precautions, and maintenance. Learn how to set up and operate your device.