

User Manual - Dahua DH-PFM942I-20-5

1. Introduction

The Dahua DH-PFM942I-20-5 is a 20-meter pre-made Siamese cable designed to transmit both video and power in surveillance systems. This high-quality cable is equipped with BNC connectors and power connectors, suitable for both indoor and outdoor use. It is compatible with cameras supporting resolutions up to 4K and technologies such as AHD, CVI, TVI, and CVBS.

2. Key Features

- **Length:** 20 meters, ideal for medium-sized installations.
 - **Cable Type:** Pre-made Siamese cable, combining video and power in one cable.
 - **Connectors:** BNC for video and pre-installed power connectors for easy installation.
 - **Compatibility:** Supports AHD, CVI, TVI, and CVBS technologies, and cameras with up to 4K resolution.
 - **Material:** High-purity copper, ensuring excellent conductivity and durability.
 - **Application:** Suitable for both indoor and outdoor use, thanks to its robust construction.
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3. User Guide

3.1 Installation

- **Preparation:** Identify the location of the camera and DVR/NVR before installing the cable.
- **Cable Connection:** Connect the BNC connector to the video port of the camera and DVR/NVR. Then, connect the power cables to the camera and power source.
- **Securing:** Secure the cable in place using clips or clamps to prevent pulling or damage.

3.2 Configuration

- **Signal Verification:** Once connected, ensure that the video signal and power are transmitted correctly from the camera to the recording system.
 - **Final Adjustment:** Make final adjustments to the cable position to optimize the path and avoid interference.
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4. Maintenance

- **Regular Inspection:** Periodically check the cable to ensure there are no physical damages, especially in outdoor installations.
 - **Protection:** If the cable is exposed to sun or rain, ensure it is protected to extend its lifespan.
 - **Cleaning:** Clean any dirt or debris that accumulates on the cable, especially at the connections.
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5. Applications

The Dahua DH-PFM942I-20-5 is ideal for:

- **Surveillance Cameras:** Connecting and supplying power to security cameras in residential and commercial applications.
 - **4K Systems:** Transmitting high-resolution video up to 4K without signal loss.
 - **Outdoor Installations:** Weather-resistant, perfect for outdoor setups.
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6. Safety

- **Precautions:** Avoid twisting or excessively bending the cable to prevent internal damage.
 - **Handling:** Handle carefully during installation to avoid damaging the connectors.
 - **Warnings:** Do not attempt to modify the cable or connectors, as this could compromise functionality.
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7. Troubleshooting

7.1 Common Issues

- **No Video Signal:** Ensure that the BNC connectors are firmly connected and that the cable is not damaged.
- **Power Interruptions:** Make sure the power cables are correctly connected and the power source is functioning.

7.2 Technical Support

For issues not covered in this guide, contact Dahua technical support, providing the product's serial number for further assistance.