UNV UN-IPC3618SB-ADF28KM-I0

UNV UN-IPC3618SB-ADF28KM-I0 4K 8MP Turret IP Camera Instruction Manual

Model: UN-IPC3618SB-ADF28KM-I0

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of the UNV UN-IPC3618SB-ADF28KM-I0 4K 8MP Turret IP Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The UNV UN-IPC3618SB-ADF28KM-I0 is a high-resolution 4K (8MP) turret camera designed for advanced surveillance. It features a 1/2.7" CMOS sensor, delivering clear images up to 3840 x 2160 pixels. Key features include advanced video compression (Ultra 265, H.265), intelligent perimeter protection, 120dB True WDR for challenging lighting, a built-in microphone, and an IR range of up to 30m (98ft). The camera is IP67 rated for outdoor use.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the product:

- Ensure power supply voltage is correct before connecting the camera.
- Do not expose the camera to extreme temperatures, humidity, or corrosive environments.
- Avoid pointing the lens directly at strong light sources, as this may damage the image sensor.
- Handle the camera with care. Do not drop or subject it to strong impact.
- Only use accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- UNV UN-IPC3618SB-ADF28KM-I0 4K 8MP Turret IP Camera
- Installation Hardware
- Quick Start Guide (not included in this manual, but typically provided)

4. PRODUCT OVERVIEW

The UNV UN-IPC3618SB-ADF28KM-I0 is a robust surveillance camera designed for both indoor and outdoor applications. Its turret form factor allows for flexible positioning and discreet monitoring.

This image displays the front view of the UNV UN-IPC3618SB-ADF28KM-I0 4K 8MP Turret IP Camera, highlighting its lens, IR illuminator, and microphone.

Key Features:

- **High Resolution:** 8MP imaging (3840 x 2160) for detailed video.
- **Fixed Lens:** 2.8mm for wide-area coverage.
- **Intelligent Perimeter Protection:** Features cross line, intrusion, and area detection.
- **Smart Intrusion Prevention:** Reduces false alarms by focusing on humans and vehicles.
- **True WDR Technology:** 120dB for clarity in varied lighting conditions.
- **Built-in Microphone:** Captures audio alongside video.
- **Smart IR Capability:** Night vision up to 30m (98ft).
- **Micro SD Card Support:** Up to 256GB for local storage with ANR.
- **Durable Construction:** IP67 rated for weatherproofing.

5. SETUP AND INSTALLATION

5.1 Mounting

The camera is designed for ceiling mount installation. Ensure the mounting surface is strong enough to support the camera's weight.

1. Choose a suitable mounting location that provides the desired field of view and is within reach of power and network cables.
2. Use the provided mounting template (if applicable) to mark drill holes on the ceiling.
3. Drill pilot holes and insert wall anchors if necessary.
4. Secure the camera base to the mounting surface using the provided screws.
5. Adjust the camera's angle and orientation as needed.

5.2 Wiring and Connectivity

The camera uses a wired connection and supports Power over Ethernet (PoE) for simplified installation.

- **Power:** Connect a 12V DC power adapter (not included) or a PoE-enabled network switch/NVR to the camera's Ethernet port.
- **Network:** Connect an Ethernet cable from your network switch/router/NVR to the camera's RJ45 port. The camera supports ONVIF protocol for compatibility with various NVRs and VMS.
- **Micro SD Card:** Insert a Micro SD card (up to 256GB, not included) into the designated slot for local storage and ANR (Automatic Network Replenishment).

5.3 Initial Configuration

After physical installation, access the camera's web interface or connect it to a compatible NVR for initial setup.

- Use the manufacturer's IP search tool to find the camera's IP address on your network.
- Access the camera via a web browser using its IP address.
- Log in with the default username and password (refer to the quick start guide or manufacturer's documentation for default credentials).
- Change the default password immediately for security.
- Configure network settings, video parameters, and recording schedules as required.

6. OPERATING INSTRUCTIONS

This section outlines the primary operational features of the UNV UN-IPC3618SB-ADF28KM-I0 camera.

6.1 Video Monitoring

View live video feeds through a compatible NVR, VMS software, or the camera's web interface. Adjust video resolution, frame rate, and image quality settings as needed.

6.2 Audio Monitoring

The built-in microphone captures audio. Ensure audio recording is enabled in the camera's settings if required for comprehensive surveillance.

6.3 Night Vision (Smart IR)

The camera automatically switches to infrared (IR) mode in low-light conditions, providing clear black and white images up to 30m (98ft). Smart IR technology adjusts IR intensity to prevent overexposure of objects closer to the camera.

6.4 Wide Dynamic Range (WDR)

The 120dB True WDR feature balances exposure in scenes with both very bright and very dark areas, ensuring details are visible across the entire image. This is particularly useful for entrances or areas with strong backlighting.

6.5 Intelligent Perimeter Protection

Configure advanced detection rules to enhance security:

- **Cross Line Detection:** Triggers an alarm when an object crosses a predefined virtual line.
- **Intrusion Detection:** Triggers an alarm when an object enters or exits a specified virtual area.
- **Area Detection:** Monitors a specific area for changes or presence.

6.6 Smart Intrusion Prevention (SIP)

SIP technology differentiates between humans and vehicles from other moving objects (e.g., animals, falling leaves), significantly reducing false alarms. Configure SIP rules in the camera's web interface to specify detection targets and actions.

6.7 Local Storage (Micro SD Card)

If a Micro SD card is installed, the camera can record video locally. ANR (Automatic Network Replenishment) ensures that if the network connection is lost, recordings are stored on the SD card and automatically uploaded to the NVR once the connection is restored.

7. MAINTENANCE

7.1 Cleaning

- Regularly clean the camera lens with a soft, dry cloth. Avoid abrasive cleaners.
- Wipe the camera body with a damp cloth if necessary.

7.2 Firmware Updates

Periodically check the manufacturer's website for firmware updates. Firmware updates can provide new features, performance improvements, and security enhancements. Follow the manufacturer's instructions carefully when performing firmware updates.

7.3 Environmental Considerations

While IP67 rated, extreme weather conditions can still impact performance. Ensure proper drainage around outdoor installations and protect from direct lightning strikes.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image/video feed	No power; Network cable disconnected; Incorrect IP address; Camera malfunction.	Check power connection; Verify network cable is securely connected; Ensure correct IP address and network settings; Restart camera; Contact support if issue persists.

Problem	Possible Cause	Solution
Poor image quality	Dirty lens; Incorrect focus (for varifocal lenses, not applicable here); Low bandwidth; Improper lighting.	Clean the lens; Check network bandwidth; Adjust camera position or add supplementary lighting; Enable WDR.
False alarms from intelligent detection	Sensitivity too high; Environmental factors (e.g., moving trees, shadows); SIP not configured correctly.	Adjust detection sensitivity; Refine detection zones; Ensure SIP is enabled and configured to detect only humans/vehicles.
Cannot access web interface	Incorrect IP address; Network connectivity issue; Firewall blocking access.	Verify camera's IP address; Check network cable and router; Temporarily disable firewall for testing; Ensure PC is on the same network segment.

9. SPECIFICATIONS

Feature	Detail
Model Name	UN-IPC3618SB-ADF28KM-I0
Brand	UNV (Uniview)
Video Capture Resolution	8MP (3840 x 2160)
Frame Rate	4K at 20fps (and lower resolutions)
Lens	2.8mm Fixed
Indoor/Outdoor Usage	Indoor, Outdoor
Power Source	Corded Electric (PoE compatible)
Connectivity Protocol	ONVIF
Mounting Type	Ceiling Mount
Form Factor	Turret
Material	Titanium
Item Dimensions (L x W x H)	6 x 5 x 5 inches
Item Weight	10.6 ounces
Special Features	2-Way Audio (via built-in mic), HD Resolution, Image Sensor, Local Recording (Micro SD), Night Vision (Smart IR), True WDR (120dB), Intelligent Perimeter Protection, Smart Intrusion Prevention, IP67 Weatherproof.
Micro SD Card Support	Up to 256GB
IR Range	Up to 30m (98ft)

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Uniview website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

Note: Specific warranty terms may vary by region and retailer.

Related Documents - UN-IPC3618SB-ADF28KM-I0

	[UNV Network Video Recorder Quick Guide	Installation & Setup](#) Comprehensive quick guide for UNV Network Video Recorders (NVRs). Learn about packing list, interfaces, installation, device connection, app setup, and important safety warnings. Includes model 0235C9KR.
	[UNV IPC326SS-ADF28(40)K-I1-BK: 6MP HD Intelligent LightHunter IR Fixed Dome Network Camera Datasheet](#) Detailed specifications and features for the UNV IPC326SS-ADF28(40)K-I1-BK, a 6MP HD Intelligent LightHunter IR Fixed Dome Network Camera. Includes information on image quality, intrusion prevention, WDR, and more.
	[Troubleshoot EZView Live View Issues When Disconnected from Local Wi-Fi	UNV](#) Learn how to resolve live view problems in the UNV EZView application when your device is disconnected from local Wi-Fi. This guide covers checking device status, deleting and re-adding devices, and using cellular data for remote access.
	[UNV Network Eyeball Cameras: Safety and Usage Guide](#) This document provides essential safety warnings, usage guidelines, and regulatory compliance information for UNV Network Eyeball Cameras. It covers installation, operation, battery handling, and FCC/CE compliance.

ネットワークカメラ 取扱説明書 バージョン : V1.06	[UNV　　　　　V1.06](#) UNV (　　　)　　　 V1.06
Deployment Guide for 4MP Bullet LPR Camera Version V1.0.0	[UNV 4MP Bullet LPR Camera Deployment Guide](#) Comprehensive deployment guide for the UNV 4MP Bullet LPR Camera, covering installation, configuration, and network integration for effective license plate recognition.