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PROVISION ISR DMA-320IPE-28

PROVISION ISR 2MP IP PoE Camera Instruction Manual

Model: DMA-320IPE-28

1. Product Overview

This manual provides detailed instructions for the installation, operation, and maintenance of your PROVISION ISR 2MP IP PoE Camera. This camera is designed for both indoor and outdoor surveillance, offering high-definition video and robust features for security applications.

Key Features:

- **High-Resolution Imaging:** 2MP video capture for clear and detailed surveillance.
- **Power over Ethernet (PoE):** Simplifies installation by providing power and data over a single Ethernet cable.
- **Advanced Night Vision:** Infrared (IR) illumination up to 10 meters for clear imaging in low-light or total darkness.
- **Weatherproof Design:** IP67 rated for protection against dust and water, suitable for outdoor use.
- **Smart Motion Detection:** AI-based alerts for precise human movement detection.
- **H.265+ Compression:** Efficient video compression to reduce storage requirements while maintaining video quality.
- **Built-in Microphone:** For audio monitoring capabilities.
- **3-Axis Adjustment:** Allows flexible positioning of the camera lens.

Figure 1: Front view of the PROVISION ISR 2MP IP PoE Dome Camera.

Figure 2: Bottom view of the PROVISION ISR 2MP IP PoE Dome Camera, showing the lens and mounting points.

2. Setup and Installation

2.1 Package Contents

- PROVISION ISR 2MP IP PoE Camera
- Instruction Manual (this document)
- Mounting Screws and Anchors

2.2 Camera Components and Connections

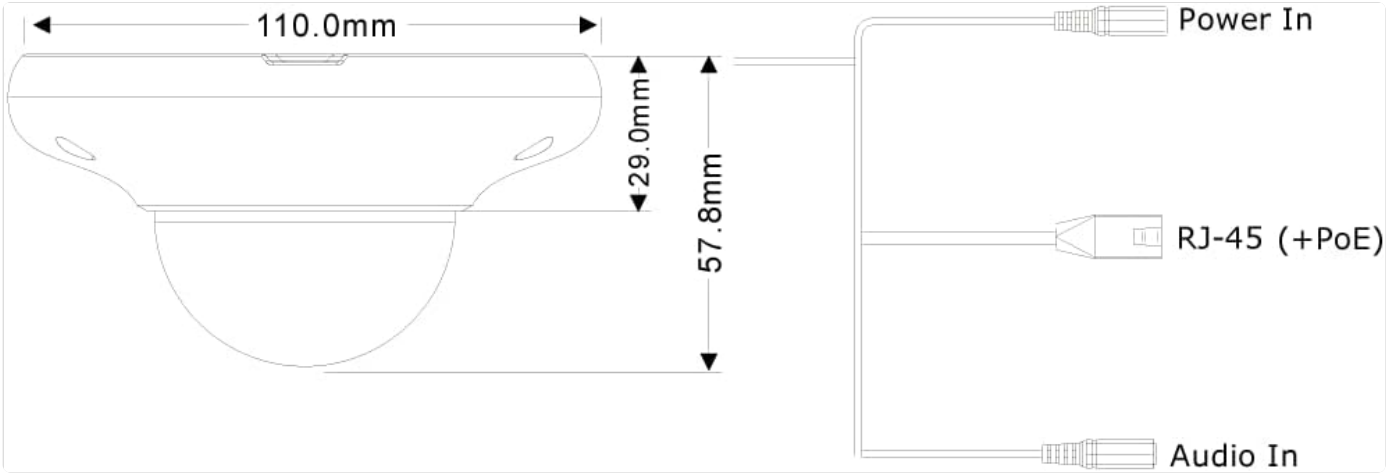

Figure 3: Camera dimensions and connection interfaces. The camera features a Power In port, an RJ-45 port for Ethernet and Power over Ethernet (PoE), and an Audio In port.

Figure 4: Location of the built-in microphone and the SD card slot for local storage.

2.3 Mounting the Camera

1. **Choose a Location:** Select a suitable indoor or outdoor location, ensuring a clear field of view and access to network cabling. The camera is designed for ceiling mount installation.
2. **Prepare the Surface:** Use the provided mounting template (if applicable, or measure the camera base) to mark the drill holes on the mounting surface.

3. **Drill Holes:** Drill pilot holes for the mounting screws. Insert wall anchors if mounting on drywall or other soft materials.
4. **Secure the Camera:** Align the camera base with the drilled holes and secure it using the provided screws.
5. **Adjust Angle:** Loosen the adjustment screws (if present) to position the camera lens for the desired viewing angle. Tighten the screws once adjusted.

Figure 5: The 3-Axis Mechanism allows for flexible adjustment of the camera's viewing angle (350° pan, 50° tilt, 355° rotation).

2.4 Connecting the Camera

1. **Network Connection (PoE):** Connect an Ethernet cable from a PoE-enabled switch or NVR directly to the camera's RJ-45 port. This will provide both power and network connectivity.
2. **Network Connection (Non-PoE):** If your network device does not support PoE, connect an Ethernet cable to the camera's RJ-45 port and connect a 12V DC power adapter (sold separately) to the camera's Power In port.
3. **Audio Input:** If external audio input is required, connect an audio source to the Audio In port.

3. Operating the Camera

3.1 Initial Access and Configuration

1. **Network Discovery:** Use the manufacturer's provided software tool (e.g., IP Scanner) to discover the camera's IP address on your network.
2. **Web Interface Access:** Open a web browser and enter the camera's IP address. Log in using the default username and password (refer to the camera's quick start guide or manufacturer's documentation for default credentials).

3. **Change Default Credentials:** For security purposes, immediately change the default username and password upon first login.
4. **Network Settings:** Configure network settings such as static IP address (if desired), subnet mask, and gateway.

3.2 Video Monitoring and Recording

- **Live View:** Access the camera's live video feed through the web interface, NVR, or compatible mobile application.
- **Recording:** Configure recording schedules, motion-triggered recording, or continuous recording via the NVR or camera's web interface. The camera supports H.265+ compression for efficient storage.
- **SD Card Storage:** Insert a compatible microSD card (up to specified capacity, typically 128GB or 256GB, not included) into the SD card slot for local video storage. Format the SD card through the camera's web interface before use.

3.3 Motion Detection and Alerts

- **Configuration:** Access the motion detection settings in the camera's web interface. Define detection zones, sensitivity levels, and trigger actions (e.g., record, send email notification).
- **AI-based Detection:** Utilize the camera's AI capabilities for more accurate human movement detection, reducing false alarms.

3.4 Night Vision

The camera automatically switches to infrared (IR) night vision mode in low-light conditions. The IR illuminators provide clear black-and-white video up to 10 meters. Ensure no obstructions block the IR LEDs for optimal performance.

4. Maintenance

4.1 Cleaning

- **Lens:** Gently wipe the camera lens with a soft, lint-free cloth. For stubborn dirt, use a lens cleaning solution designed for optical surfaces.
- **Housing:** Clean the camera housing with a damp cloth. Avoid using harsh chemicals or abrasive cleaners.

4.2 Firmware Updates

Periodically check the PROVISION ISR official website for firmware updates. Firmware updates can improve camera performance, add new features, and address security vulnerabilities. Follow the instructions provided with the firmware update package carefully.

5. Troubleshooting

5.1 No Power/No Video

- **Check Power:** Ensure the camera is receiving power. If using PoE, verify the PoE switch/NVR port is active. If using a power adapter, ensure it is correctly connected and functional.
- **Network Cable:** Verify the Ethernet cable is securely connected at both ends and is not damaged. Try a different cable.
- **Reboot:** Disconnect and reconnect power to the camera to perform a reboot.

5.2 Cannot Access Camera via Network

- **IP Address:** Confirm the camera's IP address using the discovery tool. Ensure your computer is on the same network segment as the camera.
- **Firewall:** Check if your computer's firewall or network security settings are blocking access to the camera.
- **Default Settings:** If you have forgotten the password, you may need to reset the camera to factory defaults (refer to manufacturer's documentation for reset procedure).

5.3 Poor Image Quality

- **Clean Lens:** Ensure the camera lens is clean and free from dust or smudges.
- **Lighting:** Verify adequate lighting in the surveillance area. For night vision, ensure IR LEDs are not obstructed.
- **Resolution Settings:** Check the video resolution settings in the camera's web interface to ensure it is set to 2MP or desired quality.

6. Specifications

Figure 6: Visual summary of key camera specifications and features.

Feature	Specification
Model Number	DMA-320IPE-28
Indoor/Outdoor Usage	Indoor, Outdoor
Video Capture Resolution	2MP
Connectivity Protocol	Ethernet
Power Source	Corded Electric (PoE or 12V DC)
Night Vision Range	10 Meters
International Protection Rating	IP66 (Note: Product description states IP67, specification states IP66. Refer to product packaging for definitive rating.)
Form Factor	Dome
Viewing Angle	108 Degrees
Mounting Type	Ceiling Mount
Controller Type	NVR
Dimensions (L x W x H)	6.25 x 5.5 x 5.5 inches
Included Components	Instruction Manual
Special Feature	HD Resolution

7. Warranty and Support

7.1 Product Warranty

PROVISION ISR products typically come with a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official PROVISION ISR website for detailed warranty terms and conditions specific to your region and model.

7.2 Technical Support

For technical assistance, troubleshooting, or further inquiries, please contact PROVISION ISR customer support. Contact information can usually be found on the official PROVISION ISR website or in the product packaging.
You can visit the PROVISION ISR store on Amazon for more information: PROVISION ISR Store

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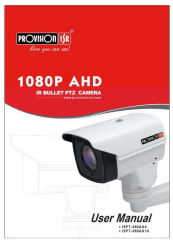
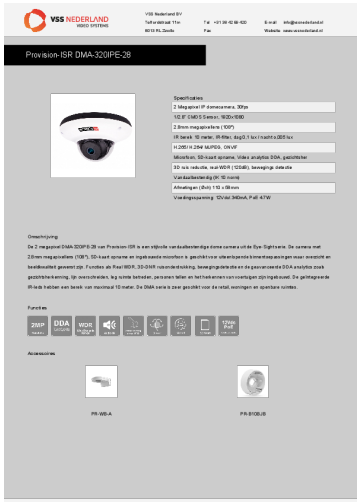
Related Documents - DMA-320IPE-28

	Provision-ISR IP Camera User Manual: Eye-Sight v2 Series Comprehensive user manual for Provision-ISR Eye-Sight v2 IP cameras, covering setup, configuration, remote access, live preview, analytics, and troubleshooting for models like 320IPE 2MP and 340IPE 4MP.
	PROVISION ISR IP Camera User Manual: DW-320FR-MVF2, TW-320FR-MVF2, BX-321FR Setup and Configuration Comprehensive user manual for PROVISION ISR IP cameras, including models DW-320FR-MVF2, TW-320FR-MVF2, and BX-321FR. Covers installation, network configuration, live preview, advanced analytics like face recognition, and troubleshooting.
	Provision ISR IP Camera User Manual: Setup, Configuration, and Operation Comprehensive user manual for Provision ISR IP cameras (IP Series, Eye-Sight, Dark-sight). Learn how to set up, configure, and operate your camera for high-performance CCTV solutions.

	[Provision ISR NVR8-8200N: 8MP 8CH NVR with Check Point & NDAA Compliance] Detailed specifications for the Provision ISR NVR8-8200N, an 8MP 8-channel Network Video Recorder featuring Check Point Quantum IoT Nano agent for advanced cyber protection and NDAA compliance. Includes video, audio, analytics, storage, and network specifications.
	[PROVISION ISR SMART PLATE License Plate Recognition Cameras Installation Guide] Comprehensive installation guide for PROVISION ISR SMART PLATE License Plate Recognition Cameras, covering setup, configuration, and application examples for gate control and street monitoring. Includes technical specifications and NVR integration details.
	[Provision-ISR I5PT-390AX4/X10 1080P AHD IR Bullet PTZ Camera User Manual] Quick installation guide and user manual for the Provision-ISR I5PT-390AX4/X10 1080P AHD IR Bullet PTZ Camera, covering setup, safety, specifications, and commands.

Documents - PROVISION ISR – DMA-320IPE-28



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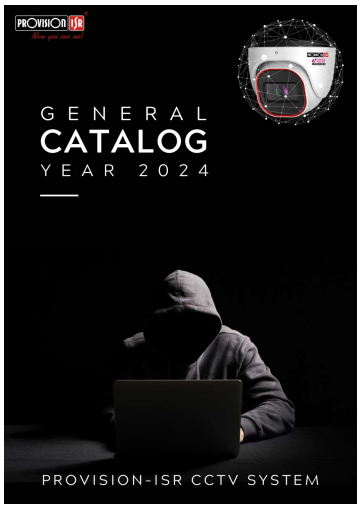

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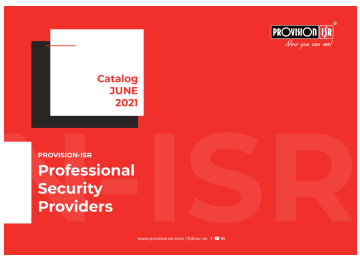

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