

Turing EVC5FD256-1Y

Turing EVC5FD256-1Y 5MP Edge+ Cloud Dome Camera User Manual

Model: EVC5FD256-1Y

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Turing EVC5FD256-1Y 5MP Edge+ Cloud Dome Camera. This advanced security camera features 5MP resolution, edge-based object detection, and seamless integration with the Turing Vision Cloud Video Surveillance as a Service (VSaaS) platform, including a 1-Year CORE AI License. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

PRODUCT OVERVIEW AND KEY FEATURES

The Turing EVC5FD256-1Y camera is designed for robust surveillance applications, offering high-resolution imaging and intelligent analytics. Its key features include:

- **5MP Progressive Scan CMOS Sensor:** Delivers clear, high-resolution video.
- **Low Light Performance:** 0.005 LUX at F1.6 for excellent imaging in challenging light conditions.
- **Fixed Lens:** 2.8 mm fixed lens with F1.6 aperture, providing a wide field of view (H: 111°, V: 59°, D: 133°).
- **Included Cloud VMS CORE AI-Ready:** Integrated with Turing Vision for cloud-based video management and AI capabilities.
- **Edge-based Object Detection:** Performs real-time object detection directly on the camera, reducing bandwidth and improving response times.
- **Hybrid Storage:** Direct-to-cloud recording with included 256GB onboard storage for redundancy.
- **1-Year Bundled CORE AI License:** Access to advanced AI features like fast smart search and accurate alerts.

- **Easy Installation:** Designed for a quick 3-click installation process.
- **Compliance:** NDAA and TAA compliant.



Figure 1: Front view of the Turing EVC5FD256-1Y 5MP Edge+ Cloud Dome Camera. This image shows the white dome camera with its lens visible, designed for discreet ceiling or wall mounting.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Turing EVC5FD256-1Y 5MP Edge+ Cloud Dome Camera
- Mounting Hardware (screws, anchors)
- Quick Start Guide (if applicable)

Note: Additional accessories such as power adapters (if not using PoE) or network cables may be sold separately.

SETUP AND INSTALLATION

The Turing EVC5FD256-1Y camera is designed for a simplified installation process. Follow these general steps for setup:

1. **Mounting:** Choose a suitable location for the camera, typically a ceiling or wall, ensuring a clear field of view. Use the provided mounting hardware to securely attach the camera base.
2. **Power and Network Connection:**
 - **Power over Ethernet (PoE):** Connect an Ethernet cable from a PoE-enabled switch or injector to the camera's Ethernet port. This will provide both power and network connectivity.
 - **DC 12V Power:** If PoE is not available, connect a 12V DC power adapter (not included) to the camera's power input and an Ethernet cable to a network switch or router.

3. **Network Configuration and Cloud Integration:**

The camera features a "3-click installation process" for integration with the Turing Vision Cloud VMS. This typically involves:

- Downloading the Turing Vision mobile app or accessing the web portal.
- Scanning a QR code on the camera or entering its serial number.
- Following on-screen prompts to add the camera to your Turing Vision account and configure initial settings.

Ensure your network provides internet access for cloud connectivity.

4. **Firmware Update:** After initial setup, check for and install any available firmware updates through the Turing Vision platform to ensure optimal performance and security.

For detailed, step-by-step instructions specific to your Turing Vision account, refer to the online documentation or the Turing Vision support portal.

OPERATING INSTRUCTIONS

Once installed and connected to the Turing Vision Cloud VMS, you can manage and operate your camera using the Turing Vision web portal or mobile application.

Accessing Live View and Recordings

- Log in to your Turing Vision account.
- Navigate to the camera list or dashboard to view live feeds from your EVC5FD256-1Y camera.
- Access recorded footage stored in the cloud or on the camera's 256GB onboard storage.

Utilizing CORE AI Features

The bundled 1-Year CORE AI License enables advanced functionalities:

- **Object Detection:** The camera's edge-based AI can detect and classify objects such as people and vehicles. Configure alert zones and sensitivity settings within the Turing Vision platform.
- **Smart Search:** Use the AI-powered smart search feature to quickly find specific events or objects within your recorded footage. This includes attribute search and recognition in the cloud.
- **Accurate Alerts:** Receive intelligent notifications based on detected events, reducing false alarms.

Customize alert types and notification methods (e.g., email, push notifications).

Camera Settings

Adjust various camera settings through the Turing Vision platform, including:

- Video quality and encoding (H.265/H.264).
- Wide Dynamic Range (WDR) and Digital Noise Reduction (DNR) settings.
- Motion detection zones and sensitivity.
- Recording schedules and retention policies.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Turing EVC5FD256-1Y camera.

- **Lens Cleaning:** Periodically clean the camera lens with a soft, lint-free cloth. For stubborn dirt, use a lens cleaning solution designed for optical surfaces. Avoid abrasive materials that could scratch the lens.
- **Housing Cleaning:** Wipe the camera housing with a damp cloth. Do not use harsh chemicals or solvents.
- **Firmware Updates:** Regularly check for and apply firmware updates through the Turing Vision platform. Updates often include security patches, bug fixes, and performance enhancements.
- **Network Connectivity:** Ensure stable network connectivity. Check network cables for damage and verify router/switch functionality.
- **Power Supply:** If using a DC power adapter, ensure it is securely connected and functioning correctly.
- **Environmental Conditions:** Ensure the camera operates within its specified environmental limits (temperature, humidity) to prevent damage. The camera has an IP66 waterproof rating, but extreme conditions should still be avoided.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Turing EVC5FD256-1Y camera.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Video Feed	• No power • Network connectivity issue • Incorrect network configuration • Camera not added to Turing Vision	• Check power connection (PoE or DC 12V). • Verify Ethernet cable connection and network status. • Ensure camera is on the same network as your viewing device or has internet access for cloud. • Confirm camera is properly added and online in the Turing Vision platform. • Reboot the camera by disconnecting and reconnecting power.
Poor Video Quality	• Dirty lens • Insufficient lighting • Network bandwidth issues • Incorrect camera settings	• Clean the camera lens. • Ensure adequate lighting in the surveillance area. • Check network speed and reduce video quality settings if necessary. • Adjust WDR, DNR, and resolution settings in Turing Vision.
AI Detection Not Working	• Incorrect AI settings • Obstructions in view • Expired CORE AI License	• Verify detection zones, sensitivity, and object classification settings in Turing Vision. • Ensure the camera's view is clear of obstructions. • Check the status of your CORE AI License in your Turing Vision account.
Camera Offline in Turing Vision	• Loss of internet connection • Power failure • Network configuration changes	• Check your internet connection and router/modem. • Verify the camera is receiving power. • Ensure no network changes have blocked the camera's access to the Turing Vision cloud. • Reboot the camera and network equipment.

If you continue to experience issues, please contact Turing support for assistance.

SPECIFICATIONS

Feature	Detail
Model Name	EVC5FD256-1Y
Sensor	1/2.7-in 5MP 16:9 Progressive Scan CMOS
Lens	2.8 mm fixed lens; F1.6
Angle of View (H/V/D)	H: 111 degrees; V: 59 degrees; D: 133 degrees
Minimum Illumination	0.005 LUX at F1.6
Video Encoding	H.265/H.264 w/ smart encoding; MJPEG
Digital Processing	120 dB Wide Dynamic Range (WDR); 2D and 3D Digital Noise Reduction
Event Handling	Onboard object detection w/ people and vehicle classification
Audio	Line In/Line Out; G.711/G.726
Cloud VSaaS Integration	Turing Vision, CORE AI license (1 Year Bundled)
Onboard Storage	256GB
Power	DC 12V 0.38A, PoE (IEEE 802.3af) 5.2W
Dimensions (Diameter x H)	4.61 x 3.53 inches
Weight	1.19 lbs
Waterproof Rating	IP66
Connectivity Technology	Ethernet (Wired)
Mount Type	Ceiling Mount
Color	White
Compliance	NDAA and TAA compliant

WARRANTY AND SUPPORT

Manufacturer Warranty: The product information indicates "No Warranty" from the manufacturer. Please refer to your purchase agreement or retailer for any applicable return policies or extended warranty options.

Technical Support: For technical assistance, troubleshooting, or inquiries regarding your Turing EVC5FD256-1Y camera and Turing Vision Cloud VMS, please visit the official Turing support website or contact their customer service. Ensure you have your product model number (EVC5FD256-1Y) and any relevant account information ready when seeking support.

Online Resources: Additional documentation, FAQs, and video tutorials may be available on the Turing Vision support portal.
