

Turing TP-MFD8M28-1Y

Turing TP-MFD8M28-1Y Smart Series 8MP Network Dome Camera User Manual

Model: TP-MFD8M28-1Y | Brand: Turing

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Turing TP-MFD8M28-1Y Smart Series 8MP Network Dome Camera. Please read this manual thoroughly before using the product to ensure proper and safe operation.

The TP-MFD8M28-1Y is an advanced 8MP dome IP camera designed for robust surveillance applications, featuring Turing Vision Core AI Licensing Plan for enhanced cloud-based functionalities.

2. SAFETY INFORMATION

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

- Ensure the power source is stable and meets the camera's requirements (PoE).
- Do not expose the camera to extreme temperatures, humidity, or corrosive environments.
- Avoid direct exposure of the lens to strong light sources, which may damage the image sensor.
- Handle the camera with care to prevent physical damage, especially to the dome cover.
- Installation should be performed by qualified personnel in accordance with local electrical codes.
- Disconnect power before performing any maintenance or cleaning.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Turing TP-MFD8M28-1Y Dome Camera
- Mounting Screws and Wall Plugs
- Installation Template
- Quick Start Guide (This manual serves as the comprehensive guide)
- Waterproof Connector (if applicable)

4. PRODUCT FEATURES

The Turing TP-MFD8M28-1Y camera offers a range of advanced features:

- **High Resolution:** Max. 8MP (3840x2160) @20 FPS for clear imaging.
- **Fixed Lens:** Equipped with a 2.8mm fixed lens.
- **Low Light Performance:** Features TwilightVision superior low light technology and Smart IR up to 30m (98ft).
- **Durability:** IP67 rated for dust and water resistance, and IK10 rated for vandal resistance.
- **AI Integration:** Includes 1st Year Turing CORE AI License for cloud event video clip storage and smart searches.
- **Compliance:** NDAA Compliant.
- **Storage:** Supports up to 256GB microSD card (card not included).



Figure 4.1: Front view of the Turing TP-MFD8M28-1Y Smart Series 8MP Network Dome Camera. The camera features a white, circular housing with the "TURING" logo on the side. The lower part consists of a dark, transparent dome protecting the camera lens, which is visible at the bottom center. A small black dot, likely an indicator light or sensor, is present on the top surface of the white housing.

5. SETUP AND INSTALLATION

5.1 Mounting Location Selection

Choose a mounting location that provides the desired field of view and is structurally sound enough to support the camera's weight. Consider factors such as lighting conditions, potential obstructions, and network cable accessibility. The camera is designed for ceiling mount applications.

5.2 Physical Installation

1. **Prepare the Mounting Surface:** Use the provided installation template to mark the drilling holes on the ceiling or

wall.

2. **Drill Holes:** Drill pilot holes according to the marked positions. Insert wall plugs if mounting on drywall or masonry.
3. **Route Cables:** Pass the Ethernet cable (for PoE) through the cable entry hole in the mounting base.
4. **Secure the Camera:** Align the camera's mounting holes with the drilled holes and secure it using the provided screws. Ensure the camera is firmly attached.
5. **Connect Network Cable:** Connect the Ethernet cable to the camera's RJ45 port. Ensure a secure connection, especially if using the waterproof connector.
6. **Adjust View:** Loosen the adjustment screws on the camera's gimbal (if applicable) to position the lens for the desired viewing angle. Tighten the screws once adjusted.

5.3 Network Configuration

After physical installation, connect the camera to your network. The camera supports Power over Ethernet (PoE), simplifying installation by providing both power and data through a single Ethernet cable.

- **IP Address Assignment:** The camera will typically obtain an IP address automatically via DHCP. Refer to your network's DHCP server or use Turing's discovery tool (if available) to find the camera's IP address.
- **Accessing the Camera:** Open a web browser and enter the camera's IP address to access its web interface.
- **Initial Login:** Use the default username and password (refer to the Quick Start Guide or product packaging for defaults). It is highly recommended to change the default password immediately for security.
- **Network Settings:** Configure network settings such as static IP address (if preferred), subnet mask, gateway, and DNS servers as per your network requirements.

6. OPERATION

6.1 Live View and Recording

Access the camera's live view through its web interface or a compatible Network Video Recorder (NVR) / Video Management Software (VMS). Configure recording schedules, motion detection, and other recording parameters as needed.

- **Resolution and Frame Rate:** Adjust video resolution (up to 8MP) and frame rate (up to 20 FPS) based on your storage and bandwidth capabilities.
- **Image Settings:** Fine-tune brightness, contrast, saturation, and other image parameters for optimal video quality. Utilize WDR (Wide Dynamic Range) for scenes with high contrast.

6.2 Smart Features (Turing CORE AI)

The camera integrates with Turing Vision Core AI, offering advanced surveillance capabilities:

- **Cloud Event Video Storage:** Benefit from 30-day cloud event video clip storage with the CORE AI License.
- **Smart Searches:** Utilize intelligent search functionalities in the cloud to quickly find specific events or patterns.
- **Intelligent Alerts:** Configure real-time alerts based on detected events.

For detailed configuration of Turing Vision Core AI features, refer to the Turing Vision platform documentation or support resources.

6.3 MicroSD Card Storage

The camera supports local storage via a microSD card up to 256GB. Insert the card into the designated slot (usually accessible by removing the dome cover). Format the card through the camera's web interface before use.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your camera:

- **Cleaning:** Gently clean the dome cover and lens with a soft, lint-free cloth. For stubborn dirt, use a mild, non-abrasive cleaning solution. Do not use harsh chemicals.
- **Firmware Updates:** Periodically check the Turing website for firmware updates. Keeping the firmware updated ensures access to the latest features and security patches.
- **Cable Inspection:** Inspect network cables and connections for any signs of wear or damage, especially in outdoor installations.
- **Environmental Check:** Ensure the camera's operating environment remains within specified temperature and humidity ranges.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image/No power	No PoE power; Faulty cable; Network issue.	Check PoE switch/injector; Verify Ethernet cable connection; Test with a known good cable.
Cannot access camera via IP	Incorrect IP address; Network conflict; Firewall blocking.	Verify IP address; Check network settings; Temporarily disable firewall; Use discovery tool.
Poor image quality	Dirty lens/dome; Incorrect focus (if adjustable); Low light conditions; Network bandwidth.	Clean lens/dome; Adjust image settings (brightness, contrast, WDR); Ensure sufficient lighting; Check network bandwidth.
Recording issues	MicroSD card full/faulty; Incorrect recording settings; NVR/VMS issue.	Format/replace microSD card; Verify recording schedules and motion detection settings; Check NVR/VMS status.

9. SPECIFICATIONS

Feature	Detail
Model	TP-MFD8M28-1Y
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	8MP (3840x2160) @20 FPS
Lens	2.8mm Fixed Lens
IR Range	Up to 30m (98ft) Smart IR
Low Light Technology	TwilightVision
Ingress Protection	IP67
Vandal Resistance	IK10
Power	PoE (Power over Ethernet)

Feature	Detail
Dimensions (L x W x H)	4.3 x 4.3 x 3.2 inches
Weight	1 pound
MicroSD Card Support	Up to 256GB
Connectivity	Wired Ethernet (PoE)
Compliance	NDAA Compliant

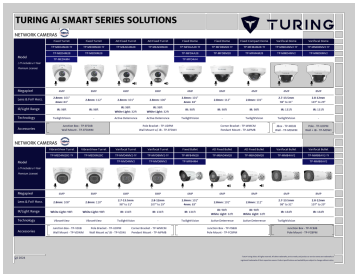
10. WARRANTY AND SUPPORT

The Turing TP-MFD8M28-1Y camera includes an extended warranty with an active CORE AI License. For specific warranty terms and conditions, please refer to the official Turing website or contact their customer support. For technical support, product inquiries, or warranty claims, please visit the official Turing support portal or contact their customer service department. Keep your purchase receipt and product serial number handy when seeking support. Official Turing Website: www.turing.ai



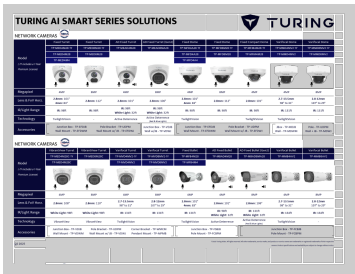
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Documents - Turing – TP-MFD8M28-1Y



[Turing AI Smart Series Network Cameras and Recorders](#)

Overview of Turing AI Smart Series network cameras and recorders, detailing models, specifications, features, and software options for advanced surveillance solutions.
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[\[pdf\] Reference Guide Guide Accessories](#)

Jeff Fairbrother Turing Smart SeriesTuring AI Reimagine Safety Security and Operations with AITuring Series Quick Reference Guide 25Q2turing ai public assets book 25Q2 |||
TURING AI SMART SERIES SOLUTIONS NETWORK CAMERAS Fixed Turret TP-MED4M28-1Y Model -1Y includes ... M28 AD Fixed Turret Gen2 TP-MEAD8MA28 Fixed Dome TP-MFD4A28-1Y TP-MFD4A28 TP-MFD4A4 Fixed Dome **TP-MFD8M28-1Y** TP-MFD8M28 Fixed Compact Dome TP-MFM4M28-1Y TP-MFM4M28 Varifocal Dome TP-MMD4MV2-1Y ...
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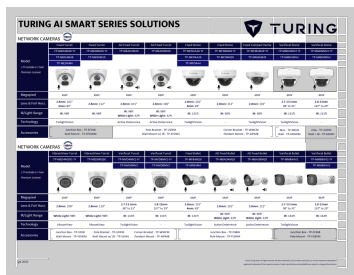
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 Fixed Lens IR LED Superi ... FORMATION Resolution 4MP 8MP Camera Only TP-
 MFD4A28 TP-MFD4A4 TP-MMB8AV2 w/ CORE1Y TP-MFD4A28-1Y **TP-MFD8M28-1Y** Add 1-Yr License TV-CORE1Y TV-CORE1Y Add 3-Yr License TV-CORE3Y TV-
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 Manufacturer Brochure |||
 SMART Series TP-MFD8M28 TP-MFD8M28 5MP HD TwilightVision™ IR Fixed
 Dome Network Camera Key Features 1/2.7 progressive scan CMOS
 TwilightVision™ Max. 8MP 3840*2160 20fps resolution Turing cloud-ready with
 Smart NVR series and Turing bridge/servers Support 256 G microSD card Smart IR
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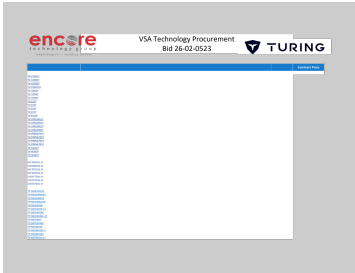
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 Fixed Dome TP-MFD4A28-1Y TP-MFD4A28 TP-MFD4A4 Fixed Dome **TP-MFD8M28-1Y**
 TP-MFD8M28 Fixed Compact Dome TP-MFM4M28-1Y TP-MFM4M28 Varifocal
 Dome TP-MMD4MV2-1Y ...
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[\[pdf\]](#) Catalog

Turing Product Catalog 2023 turing ai public assets book |||
 Introducing Next Gen Cloud Camera 3-Clicks Installation, ONVIF Ready, No NVR, No
 License Required t ... I/O microSD up to 256GB S, G, T 12V DC, PoE 802.3af , 4.5W
 Max IP67, IK10 FCC, UL, CE TP-MFD8M28 **TP-MFD8M28-1Y** TwilightVision 8MP
 3840x2160 , 20 FPS 2.8mm 112.9 Color: 0.003Lux F1.6, AGC ON Up t...
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