

Metzler VDM10 2.0

Metzler VDM10 2.0 Colson 2-Wire IP Video Intercom System User Manual

Model: VDM10 2.0 | Brand: Metzler

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Metzler VDM10 2.0 Colson 2-Wire IP Video Intercom System. Designed for family homes, this advanced system combines aesthetics with functionality to enhance your home's security and intelligence. Featuring a Full HD camera, a 7-inch display, smartphone app integration, and a door opener connection, the VDM10 2.0 ensures clear communication and convenient access control.



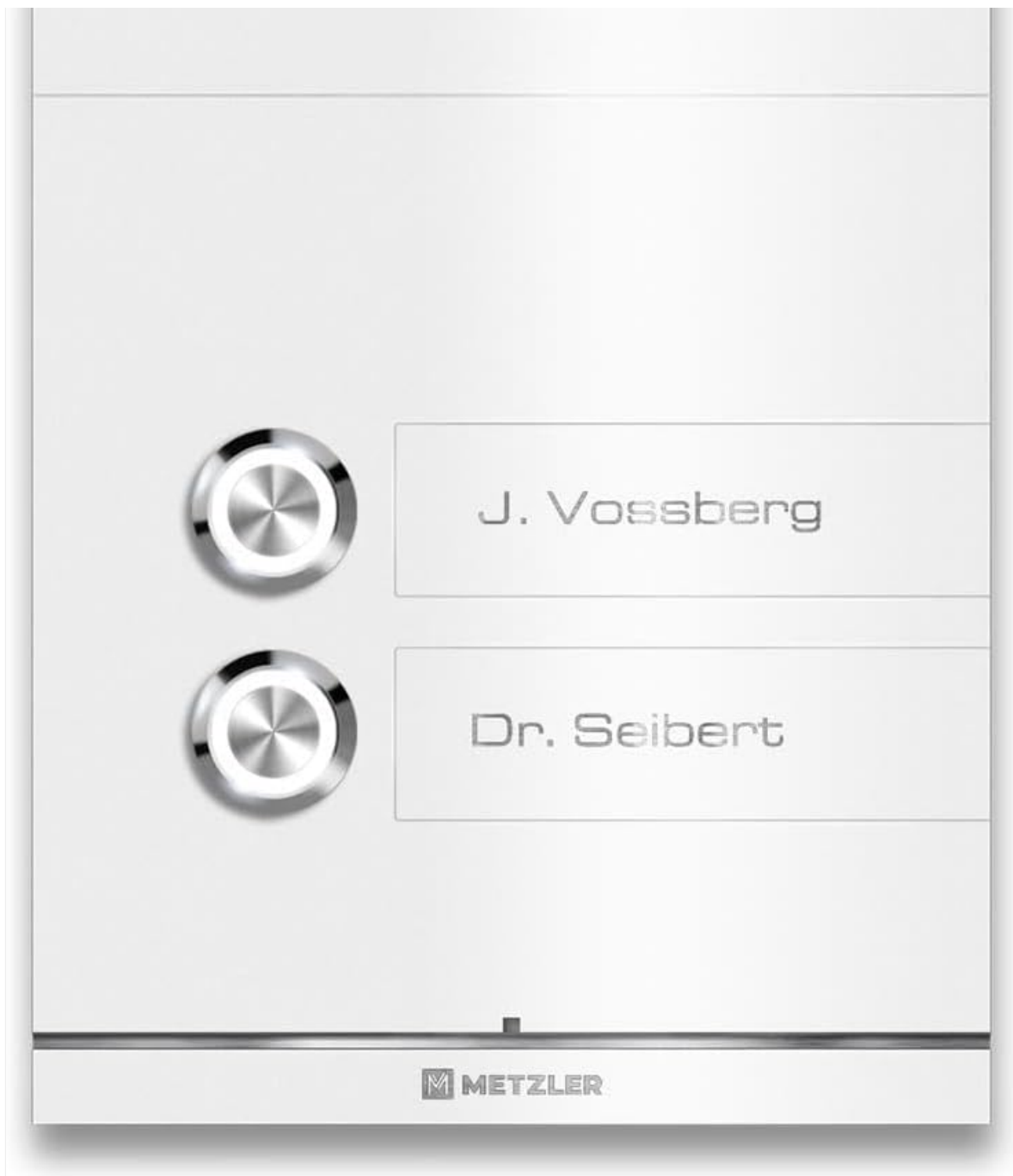


Figure 1: Metzler VDM10 2.0 Colson Video Intercom System. This image shows the sleek, white outdoor station with two illuminated call buttons and a central camera module.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Ensure all electrical connections are performed by a qualified electrician and comply with local electrical codes.
- Disconnect power before performing any installation or maintenance.
- Do not expose the device to extreme temperatures, humidity, or direct water spray. The outdoor station is IP65 rated for dust and water jets, but not submersion.
- Avoid placing the indoor station near heat sources or in direct sunlight.
- Use only original or approved accessories and spare parts.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Door station with Full HD camera
- Surface-mounted and flush-mounted housing
- Mounting accessories (screws, anchors)
- Connection cable
- User manual

4. SETUP AND INSTALLATION

4.1 Mounting the Outdoor Station

The VDM10 2.0 supports both surface and flush mounting. Choose a location near your entrance that provides an optimal viewing angle. The recommended mounting height for the top edge of the front plate is between 145 cm and 160 cm to ensure clear visibility of visitors.



Figure 2: Outdoor station installed on a wall next to a door. This image shows the white intercom unit mounted vertically on a light-colored wall, blending seamlessly with the modern exterior.

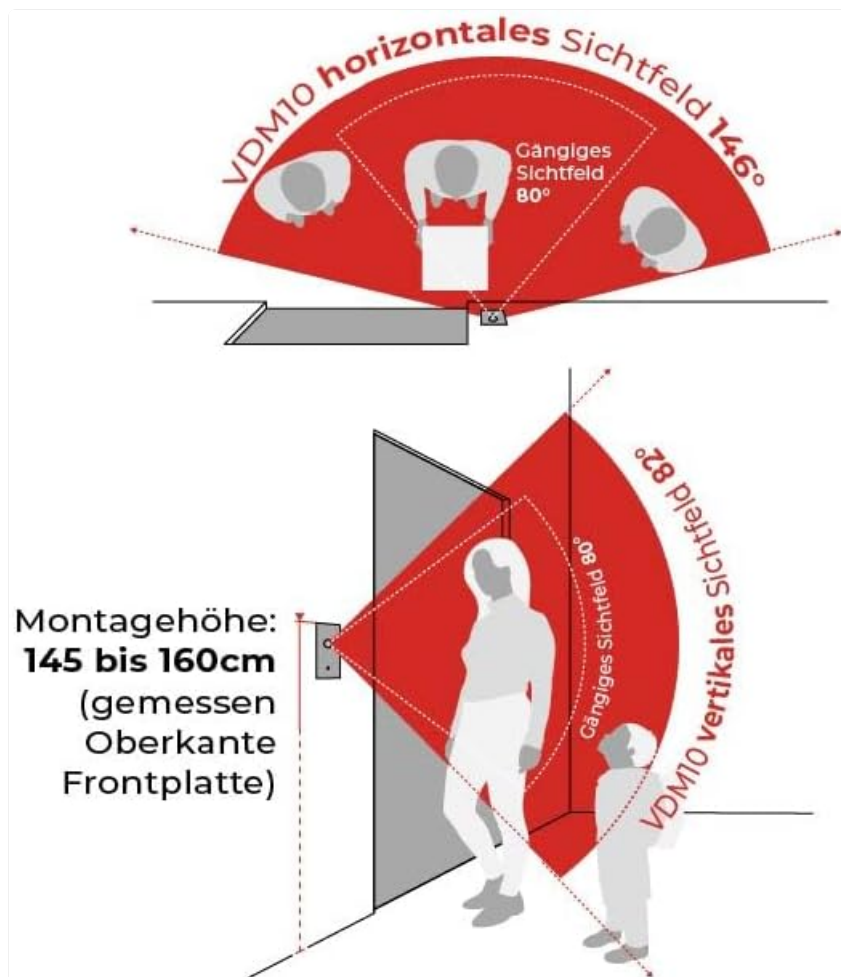


Figure 3: Diagram illustrating the horizontal and vertical field of view. This graphic shows the VDM10's 146° horizontal and 82° vertical wide-angle view, ensuring comprehensive coverage of the entrance area.

4.2 Wiring (2-Wire IP System)

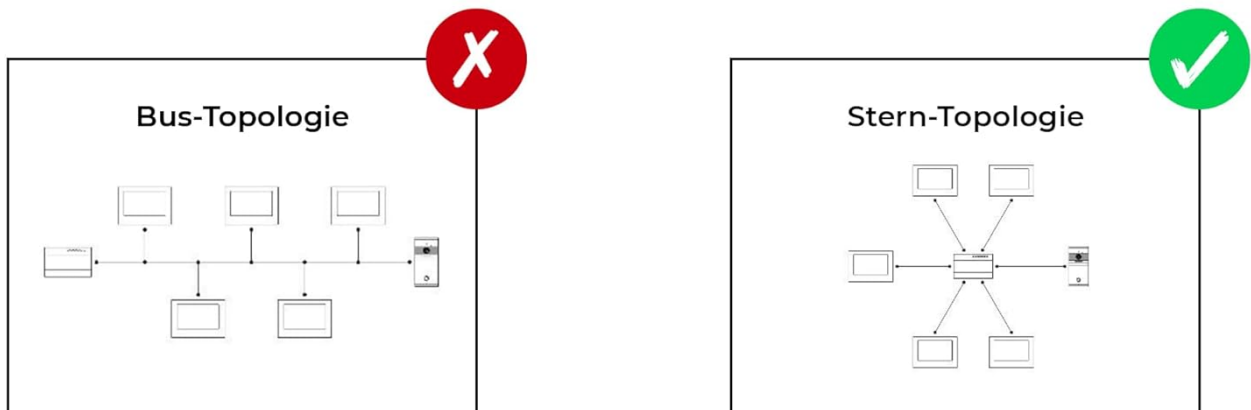
The VDM10 2.0 utilizes a 2-wire IP connection for simplified installation. Detailed assembly videos are available to assist with the setup process, making it accessible even for novices. Ensure proper cable types are used for optimal performance.

Anschlussvorgaben 2-Draht IP System

Begriffserklärung:

Twisted Pair:	Verseiltes / verdrehtes Adern Paar in einem Kabel
Parallele Adern:	Nicht verseilte Adern in einem Kabel
A/V-Verteiler:	Audio- / Videoverteiler für den Anschluss der VDM10
VDM10-VM-2-Draht:	VDM10 2-Draht Türistation / Kameramodul
VDM10-IS-2-Draht:	VDM10 2-Draht Innenstation
Impedanz:	Ohm'scher Widerstand in einem Leiter

Anschlussschema:



Kabelarten:

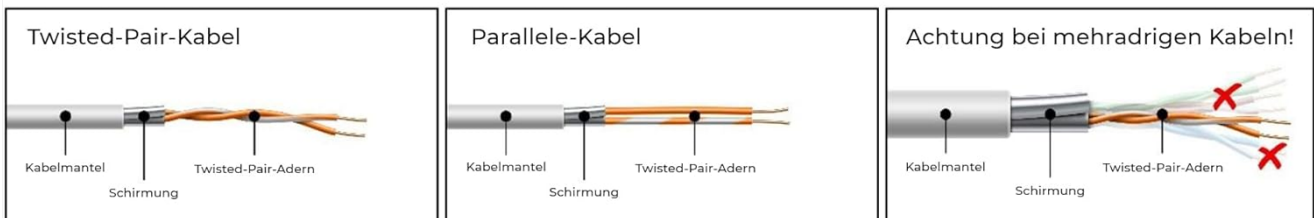


Figure 4: Connection diagram for the 2-Wire IP system. This diagram illustrates the correct star topology for wiring, contrasting it with an incorrect bus topology, and shows examples of twisted-pair and parallel cables.

4.3 Indoor Station Setup

Mount the 7-inch HD touchscreen display indoors at a convenient location. Connect it to the 2-wire IP system according to the wiring diagram. The indoor station features an intuitive user interface for easy configuration and control.



Figure 5: Indoor station mounted on a wall. This image shows the white 7-inch touchscreen display installed on a light-colored wall in a modern interior setting.

5. OPERATING INSTRUCTIONS

5.1 Answering Calls and Two-Way Audio

When a visitor presses the doorbell button, the indoor station will ring, and a live video feed will appear. You can answer the call and engage in two-way audio communication. The system features noise reduction for clear audio quality.



Figure 6: Illustration of two-way audio communication. This image depicts a person speaking into the outdoor station while another person views and communicates via the indoor monitor, highlighting the 360° recording and noise filter.

5.2 Door Opening Function

The system includes a door opening function, allowing you to remotely unlock your door or gate directly from the indoor station or via the smartphone app.

Ihr smarter Türöffner für unterwegs

Öffnen Sie Tür oder Tor ganz bequem per App, auch wenn Sie nicht zuhause sind



Figure 7: Smartphone app interface for remote door opening. This image shows a hand holding a smartphone displaying a child's face with a green unlock icon, indicating the remote door opening feature.

5.3 Night Vision

The integrated infrared night vision technology ensures clear recordings and visibility even in complete darkness, with a range of up to 3 meters.

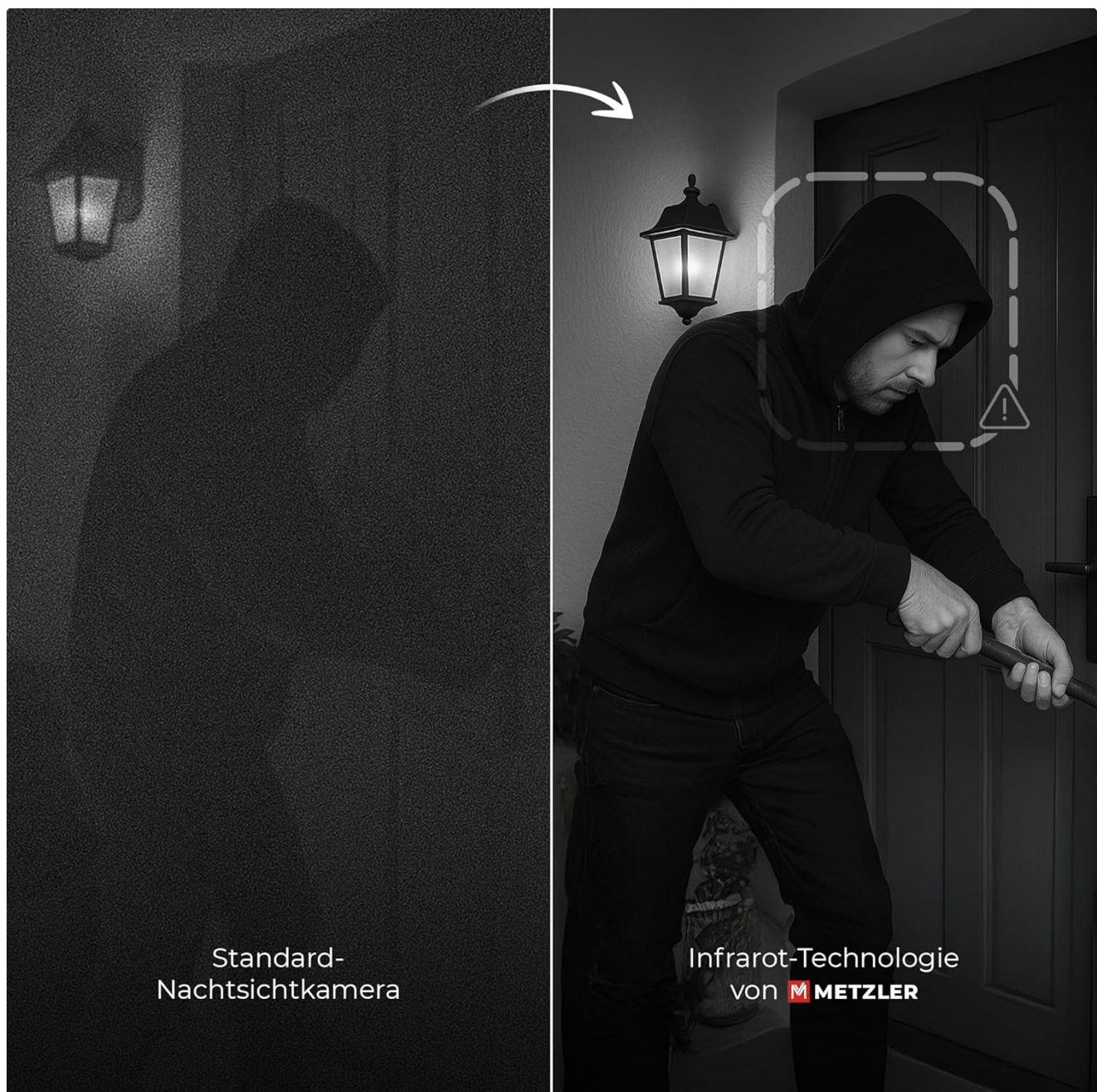


Figure 8: Comparison of standard night vision versus Metzler infrared technology. This image shows a dark, grainy view on the left labeled 'Standard Night Vision Camera' and a clear, illuminated view on the right labeled 'Infrared Technology by Metzler', depicting a person at a door.

5.4 Customizable LED Buttons

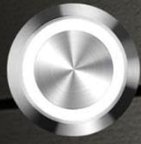
The doorbell buttons feature individually adjustable LED colors. You can easily customize the LED color via levers on the back of the unit to match your preference.

Klingeltaster mit individuell einstellbarer LED-Farbe

Die LED-Farbe lässt sich über Hebel an der Rückseite ganz einfach anpassen.



ohne LED



weiß



grün



rot



blau



türkis



pink



gelb



Figure 9: Customizable LED colors for the doorbell buttons. This image displays the outdoor station with various LED color options (white, green, red, blue, turquoise, pink, yellow) for the call buttons.

6. SMART HOME INTEGRATION

The VDM10 2.0 supports SIP integration and Wi-Fi connectivity, allowing seamless integration into your existing smart home systems. Control your intercom and monitor your entrance remotely via your smartphone, anytime and anywhere.



Figure 10: Smartphone app displaying a video call from a delivery person. This image shows a person holding a smartphone with a live video feed of a delivery driver, demonstrating remote communication and package handling.

7. MAINTENANCE

To ensure optimal performance and longevity of your Metzler VDM10 2.0 system, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the outdoor station and indoor display with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the surfaces.
- **Camera Lens:** Keep the camera lens clean and free from dust or smudges to maintain clear video quality.
- **Firmware Updates:** Check the manufacturer's website or the smartphone app for any available firmware updates to ensure your system has the latest features and security enhancements.
- **Cable Inspection:** Periodically inspect all visible cables for any signs of wear or damage.

8. TROUBLESHOOTING

If you encounter issues with your Metzler VDM10 2.0 system, refer to the following common troubleshooting steps:

- **No Power:** Check all power connections and ensure the circuit breaker is not tripped.
- **No Video/Audio:** Verify all wiring connections between the outdoor station and indoor display. Ensure your Wi-Fi connection is stable if using smartphone app features.
- **Poor Video Quality:** Clean the camera lens. Check for obstructions in the camera's field of view.
- **Door Opener Not Working:** Ensure the door opener is correctly wired and receiving power. Check settings on the indoor station or app.
- **Tamper Alarm:** The system features an integrated manipulation alarm (IK09 vandalism resistance) that triggers an alert over 85dB if unauthorized access attempts are detected. If this alarm sounds unexpectedly, inspect the outdoor unit for tampering.



Figure 11: Illustration of the integrated manipulation alarm. This image shows a person attempting to tamper with the outdoor station, triggering a loud alarm indicated by sound waves and the person reacting in discomfort.

For more complex issues, please consult the detailed troubleshooting section in the full user manual or contact Metzler customer support.






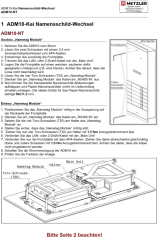
9. SPECIFICATIONS

Feature	Specification
Brand	Metzler
Model Number	VDM10 2.0
Connectivity Technology	Wired (2-Wire IP), Wi-Fi
Camera Resolution	Full HD 1080p
Frame Rate	1080p@30fps, 720p@30fps (configurable)
Viewing Angle	146° (Horizontal)
Night Vision Range	3 Meters (Infrared Technology)
Indoor Display	7-inch HD Touchscreen (1024 x 600 Pixel)
Material	Stainless Steel
Power Consumption	4 Watts
Dimensions (L x W x H)	0.5 x 13.3 x 27.4 cm
Certifications	IP65 (Dust and Water Jet Resistant), IK09 (Vandalism Resistance)
Special Features	Two-way Audio, SIP & FRITZ! Integration, Easy UI 2.0, Integrated Door Opener Power Supply
Controller Type	Indoor Station, Smartphone App, PC + Mac
Mounting Type	Wall Mount (Surface and Flush)

10. WARRANTY AND SUPPORT

Metzler provides a 10-year spare parts availability guarantee for the VDM10 2.0 system, ensuring long-term support and service for your product.

For technical support, warranty claims, or further assistance, please contact Metzler customer service through their official website or the contact information provided with your purchase documentation.

	<p>Metzler VDM10 Security Module Installation Guide</p> <p>Comprehensive guide for installing and connecting the Metzler VDM10 Security Module, detailing wiring, power supply, and configuration for door openers.</p>
	<p>Metzler ADM10 Audio-Sprechanlage: Systemhandbuch und Installationsanleitung</p> <p>Umfassende Anleitung und Systemhandbuch für die Metzler ADM10 Audio-Türsprechanlage. Erfahren Sie mehr über Installation, Konfiguration, Bedienung und Fehlerbehebung für private und gewerbliche Anwendungen.</p>
	<p>Metzler SDM10: Anleitung zur Video-Gegensprechanlage mit Gesichtserkennung</p> <p>Umfassende Anleitung für die Metzler SDM10 Video-Gegensprechanlage mit Gesichtserkennung. Erfahren Sie mehr über Installation, Konfiguration und Bedienung dieses fortschrittlichen Sicherheitssystems.</p>
	<p>Metzler VDM10-Neo Name Tag Printing Template</p> <p>Printable template for Metzler VDM10-Neo door station name tags. Includes instructions for printing and cutting, ensuring correct size and alignment.</p>
	<p>Metzler ADM10 Audio Intercom System Quick Start Guide</p> <p>Concise guide to setting up and using the Metzler ADM10 Audio Intercom System, covering installation, network configuration, and app integration.</p>
	<p>Metzler ADM10-Kai Nameplate and Doorbell Button Assignment Guide</p> <p>Detailed instructions for changing the nameplate on the Metzler ADM10-NT and assigning doorbell buttons for the ADM10-AM-20 door station, covering various configurations and firmware versions.</p>