

Axis Communications 01990-001

AXIS F9111 Main Unit Instruction Manual

Model: 01990-001

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the AXIS F9111 Main Unit. The AXIS F9111 is a crucial component of the F-Series, designed to integrate with F21 and F7 sensor units to provide advanced surveillance capabilities. It serves as the central processing unit for connected camera sensors, handling video streams, audio, and I/O signals.

2. PRODUCT FEATURES

- Model Number: 01990-001
- Compact design with a weight of approximately 2.0 kg (4 pounds).
- Designed for integration within the AXIS F-Series surveillance system.

3. PACKAGE CONTENTS

Please verify the contents of your package against the packing list provided with your AXIS F9111 Main Unit. Typically, the package includes:

- AXIS F9111 Main Unit
- Installation Guide
- Power Adapter (if not using Power over Ethernet)
- Mounting Accessories (if applicable)

Note: Actual contents may vary. Refer to your specific product packaging for details.

4. SETUP AND INSTALLATION

Follow these steps to set up your AXIS F9111 Main Unit. Ensure all connections are secure before powering on the device.

4.1. Overview of Ports and Indicators



Figure 1: Top-down view of the AXIS F9111 Main Unit, highlighting the various connection ports and status indicators. From left to right, it shows the CAM 1 input, Audio IN/OUT, PWR input, I/O terminals, PoE Ethernet port, RS232/RS485 terminals, and PWR, STAT, NET LED indicators.



Figure 2: Angled perspective of the AXIS F9111 Main Unit, providing a clearer view of the front panel connections including CAM 1, Audio IN/OUT, PWR, I/O, PoE, and RS232/RS485 ports, along with the status LEDs.



Figure 3: A different angled view of the AXIS F9111 Main Unit, further illustrating the layout of the various input/output ports and power/network connections for comprehensive system integration.

4.2. Connection Steps

1. **Connect Sensor Unit:** Connect an AXIS F-Series sensor unit (e.g., F21, F7) to the **CAM 1** port. Ensure the connection is firm.
2. **Power Connection:**
 - **Power over Ethernet (PoE):** Connect an Ethernet cable from a PoE-enabled switch or injector to the **PoE** port on the main unit. This will provide both power and network connectivity.
 - **External Power:** If PoE is not used, connect a compatible power adapter to the **PWR** input.
3. **Network Connection:** If not using PoE, connect an Ethernet cable from your network to the **PoE** port. This port functions as a standard Ethernet port when not receiving PoE.
4. **Audio Connections:** If required, connect external audio devices to the **AUDIO IN 1**, **IN 2** (inputs) and **OUT** (output) ports.
5. **I/O Connections:** For external device control or alarm integration, connect to the **I/O (1-6)** terminals. Refer to the detailed wiring diagram in the full technical manual for specific configurations.
6. **Serial Communication:** For serial data communication, connect devices to the **RS232/RS485** terminals.
7. **Power On:** Once all connections are made, power on the unit. Observe the **PWR**, **STAT**, **NET** LED indicators for status.

5. OPERATING THE AXIS F9111 MAIN UNIT

The AXIS F9111 Main Unit operates as the central hub for your connected AXIS F-Series sensor units. Once powered on and connected to the network, it can be accessed and configured via a web browser or AXIS Camera Station software.

5.1. Initial Access and Configuration

1. **Discover Device:** Use AXIS IP Utility or AXIS Device Manager to discover the unit on your network.
2. **Access Web Interface:** Open a web browser and enter the IP address of the unit. Log in using the default credentials (or those you have set).
3. **Configure Settings:** Within the web interface, you can configure video streams, audio settings, I/O events, network parameters, and user access.

5.2. LED Indicators

- **PWR (Power):** Indicates power status. Typically solid green when powered on.
- **STAT (Status):** Indicates operational status. Blinking patterns may indicate different states (e.g., booting, error). Refer to the full user manual for detailed status codes.
- **NET (Network):** Indicates network activity. Blinks when data is being transmitted or received.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your AXIS F9111 Main Unit.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive materials. Ensure no liquids enter the ports.
- **Firmware Updates:** Periodically check the Axis Communications website for firmware updates. Keeping the firmware updated ensures you have the latest features, security patches, and bug fixes. Follow the instructions provided with the firmware update package carefully.
- **Environmental Conditions:** Ensure the unit is operated within its specified temperature and humidity ranges to prevent damage. Avoid exposing the unit to direct sunlight, excessive dust, or moisture.

7. TROUBLESHOOTING

If you encounter issues with your AXIS F9111 Main Unit, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not power on (PWR LED off)	No power supply; faulty power adapter/PoE; loose connection.	Check power cable connection. Verify power outlet. Ensure PoE switch/injector is active. Try a different power source if available.
No network connectivity (NET LED off/no blink)	Ethernet cable disconnected/faulty; incorrect network settings; network issue.	Check Ethernet cable connection. Verify network settings (IP address, subnet mask). Restart network equipment (router/switch).
No video from connected sensor unit	Sensor unit not connected properly; faulty sensor unit; software configuration issue.	Ensure sensor unit is firmly connected to CAM 1 port. Check sensor unit's functionality. Verify video stream settings in the unit's web interface.
STAT LED blinking rapidly/red	Error state; firmware issue.	Refer to the full Axis Communications user manual for specific STAT LED error codes. Try restarting the unit. Consider a firmware reinstallation if persistent.

For more detailed troubleshooting or advanced issues, please refer to the official Axis Communications support documentation or contact their technical support.

8. SPECIFICATIONS

Attribute	Detail
Brand	Axis Communications
Model Number	01990-001
Item Weight	4 pounds (approx. 2.0 kg)
Product Dimensions (LxWxH)	19.69 x 19.69 x 11.02 inches
Manufacturer	AXIS - CAMERA
ASIN	B0BWNP6NGD
Date First Available	March 29, 2023

9. WARRANTY AND SUPPORT

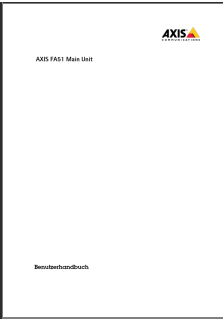

The AXIS F9111 Main Unit is manufactured by Axis Communications. For warranty information, please refer to the official warranty statement provided with your product or visit the Axis Communications website. Optional protection plans may be available for purchase, such as a 4-Year Protection Plan or a Complete Protect plan. These plans are separate from the manufacturer's warranty and offer extended coverage. For technical support, product documentation, and software downloads, please visit the official Axis Communications support portal:



[Visit Axis Communications Support](#)

For returns, please adhere to the return policy of your retailer, which typically allows for returns within 30 days of purchase.

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Related Documents

	<p>AXIS FA51 Main Unit Benutzerhandbuch Installation und Konfiguration</p> <p>Das offizielle Benutzerhandbuch für die AXIS FA51 Main Unit von AXIS Communications. Enthält Anleitungen zur Installation, Konfiguration, Video-Streaming, Aufnahme und Systemverwaltung für Überwachungslösungen.</p>
	<p>AXIS Product Comparison Tables Q3 2025</p> <p>Comprehensive comparison tables for AXIS network video, audio, access control, and intercom products, covering specifications, features, and technologies for Q3 2025.</p>

<div><p>AXIS M43 Panoramic Camera Series</p><p>AXIS M4327-P Panoramic Camera</p><p>AXIS M4328-P Panoramic Camera</p><p>Installation guide</p></div>	<p>AXIS M43 Panoramic Camera Series Installation Guide</p> <p>This installation guide provides essential information for setting up the AXIS M43 Panoramic Camera Series, including models AXIS M4327-P and AXIS M4328-P. It covers installation procedures, safety, and regulatory compliance.</p>
<div><p>Serie de cámaras tipo domo AXIS M30</p><p>AXIS M3025-V Domo Camera</p><p>AXIS M3026-V Domo Camera</p><p>AXIS M3028-V Domo Camera</p><p>Manual del usuario</p></div>	<p>Manual del usuario de cámaras tipo domo AXIS M30</p> <p>Guía completa para la instalación, configuración y uso de las cámaras tipo domo AXIS M30, incluyendo detalles sobre imagen, vídeo, audio, aplicaciones y ciberseguridad.</p>

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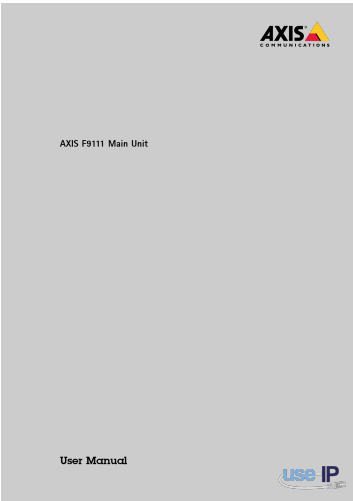


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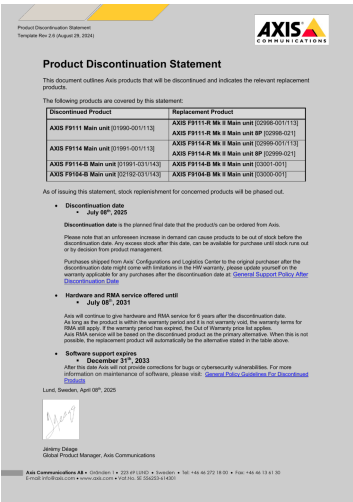


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Axis Communications AB Datasheet AXIS F9111 MAIN UNIT IPSecurity 01990 001 filename* UTF 8 eshop ipsecurity cz media 6569 key ZGpmlyQwNUZfjNjU2OQ |||

Datasheet AXIS F9111 Main Unit Single-channel modular unit with audio and I/O
AXIS F9111 is designed for use with a single sensor unit in discreet video surveillance applications. It delivers excellent video quality even in challenging and low light conditions. Ideal for emergency vehicles and buses...

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