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Fafeicy Megapixel Super Mini USB Camera Module

User Manual

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Model: Megapixel Super Mini USB Camera Module

1. Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your Fafeicy Megapixel Super Mini USB Camera Module. Please read this manual thoroughly before using the product to ensure optimal performance and safety.

The Fafeicy Megapixel Super Mini USB Camera Module is a compact, high-resolution camera designed for various applications, including robotics, security systems, video conferencing, and ATM machines. It features a 3-megapixel sensor with a 110-degree wide-angle lens and offers driver-free plug-and-play compatibility with multiple operating systems.

2. Safety Information

- Keep the module away from water and moisture to prevent electric shock or damage.
- Avoid exposing the module to extreme temperatures or direct sunlight.
- Do not attempt to disassemble or modify the module. Refer all servicing to qualified personnel.
- Handle the lens with care to avoid scratches or damage that could affect image quality.
- Ensure proper ventilation when integrating the module into enclosed spaces.

3. Package Contents

Verify that all items are present in the package:

- 1 x Fafeicy Megapixel Super Mini USB Camera Module
- 1 x USB Cable



Image: The Fafeicy Megapixel Super Mini USB Camera Module shown alongside its included USB cable.

4. Specifications

Feature	Description
Pixels	3 million
Product Chip	OV3660 (1/5")
Maximum Resolution	2048 x 1536 at 15fps
Field of View	110°
Output Interface	USB2.0
Driver	Driver-free (UVC compliant)

OS Support	WinXP / Win7 / Win8 / Win10 / OSX / Linux / Android
Lens	Replaceable, Manual Focus
Product Dimensions	Approx. 30 x 25 x 14mm / 1.2 x 1 x 0.6in



Image: Diagram showing the approximate dimensions of the camera module: 30mm (1.2in) length, 25mm (1in) width, and 14mm (0.6in) height.

5. Setup

1. **Connect the USB Cable:** Insert the small connector of the provided USB cable into the corresponding port on the camera module.
2. **Connect to Device:** Plug the standard USB-A end of the cable into an available USB 2.0 port on your computer, Raspberry Pi, Android device (with OTG support), or other compatible system.
3. **Driver Installation:** The module is driver-free (UVC compliant) and should be automatically recognized by

supported operating systems (WinXP, Win7, Win8, Win10, OSX, Linux, Android) without the need for manual driver installation.

4. **Initial Recognition:** Allow a few moments for your operating system to detect and configure the camera module. You may see a notification indicating that a new device has been found and is ready for use.



Image: The camera module with its attached USB cable, ready for connection to a host device.

6. Operating Instructions

Once the camera module is successfully connected and recognized by your system, you can begin using it with compatible applications.

- **Accessing the Camera:** Open any application that supports USB webcams, such as your operating system's built-in camera app, video conferencing software, or custom imaging applications.
- **Selecting the Camera:** If you have multiple cameras connected, ensure you select the "Fafeicy USB Camera Module" (or similar name) from the camera input options within your application.
- **Adjusting Focus:** The lens on this module features manual focus. If the image appears blurry, gently rotate the

lens barrel clockwise or counter-clockwise until the image becomes clear. This adjustment is crucial for achieving sharp images at different distances.

- **Optimal Lighting:** For best image quality, ensure adequate lighting in the environment. While the module performs well, sufficient illumination will enhance clarity and color accuracy.

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Video: A demonstration of the wide-angle camera module in operation, showcasing its field of view and potential applications.

7. Maintenance

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the camera lens. Avoid using abrasive materials or harsh chemicals.
- **Storage:** When not in use, store the camera module in a clean, dry, and dust-free environment.
- **Cable Care:** Avoid bending or crimping the USB cable excessively to prevent internal wire damage.

8. Troubleshooting

Problem	Possible Cause	Solution
No image or camera not detected.	Loose USB connection, incompatible USB port, or software issue.	Ensure the USB cable is securely connected to both the module and the host device. Try a different USB port or a different host device. Restart the application or computer.
Image is blurry or out of focus.	Lens focus not adjusted.	Manually rotate the lens barrel until the image appears sharp.
Low image quality or dark image.	Insufficient lighting, dirty lens.	Improve ambient lighting. Clean the camera lens gently with a suitable cloth.
Camera freezes or disconnects.	USB port power issue, cable damage, or software conflict.	Try a different USB port. Ensure the cable is not damaged. Close other applications that might be using the camera.

9. Warranty and Support

For warranty information and technical support, please refer to the product's purchase platform or contact Fafeicy customer service directly. Keep your purchase receipt as proof of purchase.
You can also visit the official Fafeicy store for more information and product updates:Fafeicy Store on Amazon.

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