

IEI DM-F12A/R-R30

IEI DM-F12A/R-R30 12-inch XGA LCD Monitor User Manual

Model: DM-F12A/R-R30

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your IEI DM-F12A/R-R30 12-inch XGA LCD Monitor. This industrial-grade monitor features a 600 cd/m² brightness, an aluminum front panel, and a USB R-touch screen, designed for robust performance in various environments. It supports a wide 9~36VDC input range.

PACKAGE CONTENTS

Please verify that all items are present and in good condition upon unpacking. If any items are missing or damaged, contact your vendor immediately.

- IEI DM-F12A/R-R30 LCD Monitor
- Power Adapter (if included with specific model variant)
- USB Cable for Touch Function
- VGA/HDMI Cable (depending on model configuration)
- Mounting Hardware (if applicable)
- Documentation (Quick Start Guide, Driver CD if applicable)

SETUP

1. Mounting the Monitor

The DM-F12A/R-R30 monitor is designed for various mounting options, including panel mount or VESA mount. Refer to the specific mounting instructions provided with your mounting kit.

2. Connecting Cables

1. **Video Input:** Connect a VGA or HDMI cable (depending on your system and monitor's available ports) from your computer's video output to the corresponding input port on the monitor.
2. **USB Touch:** Connect the supplied USB cable from your computer's USB port to the USB port on the monitor. This enables the R-touch screen functionality.

3. **Power:** Connect the 9~36VDC power input to the monitor. Ensure the power source matches the specified voltage range.



Figure 1: The IEI DM-F12A/R-R30 monitor, showcasing its display and industrial design. This image illustrates the monitor's appearance and typical use in a control system interface.

3. Powering On

After all cables are securely connected, power on your computer and then the monitor. The monitor should automatically detect the input signal.

OPERATING

Basic Display Functions

The monitor will display the video output from your connected computer. Adjust display settings such as resolution and refresh rate through your computer's operating system display settings for optimal performance.

Using the R-Touch Screen

The R-touch screen functions as a standard mouse input. Once the USB cable is connected and recognized by your operating system, you can interact with the display by touching the screen directly. Calibration may be required for precise touch input, typically accessible through your operating system's tablet PC or touch screen settings.

- **Single Tap:** Equivalent to a left-click.
- **Tap and Hold:** Equivalent to a right-click (may vary by OS settings).
- **Drag:** Touch and move your finger across the screen to move items or scroll.

MAINTENANCE

Cleaning the Monitor

- Always power off and unplug the monitor before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a non-abrasive LCD screen cleaner.
- Do not use alcohol, ammonia-based cleaners, or abrasive materials, as these can damage the screen surface or casing.
- Gently wipe the screen and casing. Avoid spraying liquid directly onto the screen.

Environmental Considerations

Ensure the monitor is operated within its specified temperature and humidity ranges. Avoid exposing the monitor to direct sunlight, excessive dust, or extreme temperatures.

TROUBLESHOOTING










Problem	Possible Cause	Solution
No display on screen	<ul style="list-style-type: none">• Monitor not powered on• Video cable loose or disconnected• Incorrect video input selected• Computer not sending signal	<ul style="list-style-type: none">• Check power connection and power button.• Ensure video cable is securely connected at both ends.• Verify computer is powered on and outputting video.
Touch screen not responding	<ul style="list-style-type: none">• USB cable loose or disconnected• Touch screen drivers not installed or corrupted• Calibration issue	<ul style="list-style-type: none">• Check USB cable connection.• Reinstall touch screen drivers from the manufacturer's website.• Perform touch screen calibration through OS settings.
Image is blurry or distorted	<ul style="list-style-type: none">• Incorrect resolution setting• Faulty video cable	<ul style="list-style-type: none">• Set the computer's display resolution to the monitor's native resolution (XGA).• Try a different video cable.



SPECIFICATIONS

Feature	Detail
Model	DM-F12A/R-R30
Brand	IEI
Screen Size	12 Inches
Resolution	XGA
Brightness	600 cd/m²
Front Panel Material	Aluminum
Touch Screen Type	USB R-Touch
Input Voltage	9~36VDC
Screen Surface	Glossy
Special Feature	Touchscreen
Manufacturer	IEI Technology

For warranty information and technical support, please refer to the documentation included with your product or visit the official IEI Technology website. Contact details for customer service are typically available on the manufacturer's support page.

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  <p>IEI UIBX-200-R11/Z510P</p> <p>Ultra Compact Embedded System with CompactFlash® Slot VGA, Gigabit Ethernet, Four USB, 802.11a/g Wireless, Linux and Win. For PDA, Tablet Computers</p> <p>User Manual</p> <p>Rev. 1.10 - 8 July 2011</p> 	<p>IEI UIBX-200-R11/Z510P Ultra Compact Embedded System User Manual</p> <p>User manual for the IEI UIBX-200-R11/Z510P ultra-compact embedded system, detailing its features, specifications, installation, BIOS, and software setup.</p>																																		
 <p>eMerge™ Browser Managed Security Platform Installation Guide</p>  <p>IEI eMerge™ Browser Managed Security Platform Installation Guide</p>	<p>IEI eMerge Browser Managed Security Platform Installation Guide</p> <p>This installation guide provides detailed instructions for setting up and configuring the IEI eMerge Browser Managed Security Platform. It covers system components, network requirements, installation procedures, and troubleshooting for access control and security management systems.</p>																																		
 <p>www.iei.com.tw</p> <p>DM-FW19A</p>  <p>Specifications</p> <table border="1"><thead><tr><th>Item</th><th>Specification</th></tr></thead><tbody><tr><td>Model</td><td>DM-FW19A</td></tr><tr><td>Screen Size</td><td>18.5" (468mm H x 411mm W)</td></tr><tr><td>Resolution</td><td>1440 x 900 (WXGA)</td></tr><tr><td>Panel Type</td><td>IPS</td></tr><tr><td>Response Time</td><td>5ms</td></tr><tr><td>Viewing Angle</td><td>178°/178°</td></tr><tr><td>Contrast Ratio</td><td>1000:1</td></tr><tr><td>Brightness</td><td>300cd/m²</td></tr><tr><td>Power Consumption</td><td>15W (Typical)</td></tr><tr><td>DC Input</td><td>12V/2A</td></tr><tr><td>Video Input</td><td>VGA, DVI-D, HDMI</td></tr><tr><td>Audio</td><td>2x 1W</td></tr><tr><td>Touch</td><td>PCAP</td></tr><tr><td>OS</td><td>Windows 7, Windows XP, Linux</td></tr><tr><td>Mounting</td><td>VESA 75/100</td></tr><tr><td>Weight</td><td>1.5kg (Typical)</td></tr></tbody></table>	Item	Specification	Model	DM-FW19A	Screen Size	18.5" (468mm H x 411mm W)	Resolution	1440 x 900 (WXGA)	Panel Type	IPS	Response Time	5ms	Viewing Angle	178°/178°	Contrast Ratio	1000:1	Brightness	300cd/m²	Power Consumption	15W (Typical)	DC Input	12V/2A	Video Input	VGA, DVI-D, HDMI	Audio	2x 1W	Touch	PCAP	OS	Windows 7, Windows XP, Linux	Mounting	VESA 75/100	Weight	1.5kg (Typical)	<p>IEI DM-FW19A 18.5" Industrial Monitor - Features and Specifications</p> <p>Detailed information on the IEI DM-FW19A, an 18.5-inch IP65 industrial monitor with a robust aluminum front bezel, DC input, flexible video options, and PCAP touch.</p>
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 <p>IEI DM-F08A</p> <p>Specifications and Features</p> <ul style="list-style-type: none"> 8-inch IP65 Industrial Monitor Robust aluminum front bezel Resistive single touch Wide temperature support 	<p>IEI DM-F08A 8-inch Industrial Monitor - Specifications and Features</p> <p>Detailed specifications and features of the IEI DM-F08A, an 8-inch IP65 industrial monitor with a robust aluminum front bezel, resistive single touch, and wide temperature support.</p>
 <p>IEI DM-FW15A</p> <p>Specifications and Features</p> <ul style="list-style-type: none"> 15.6-inch IP65 Industrial Monitor Robust aluminum front bezel PCAP AG coating touch Wide temperature support Includes ordering information and packing list 	<p>IEI DM-FW15A 15.6" IP65 Industrial Monitor Specifications and Features</p> <p>Detailed specifications and features of the IEI DM-FW15A, a 15.6-inch IP65 industrial monitor with a robust aluminum front bezel, PCAP AG coating touch, and wide temperature support. Includes ordering information and packing list.</p>