

Genetec Lp1502 Installation Manual



LP Series
1502
Intelligent Controller
(2 Readers, 8 Inputs, 4 Outputs)

Highlights:

- Third Party Integration Supported**
 - Wireless Locks
 - Power Supply Alerts and Events
- Security and Network**
 - IPv4/v6
 - Host communications protected by TLS 1.2/1.1 or AES-256/128
 - Controller/IO Expansion connection protected by AES
 - Generate and load custom peer certificates for TLS
 - Port based network access control using 802.1X
 - FIPS 140-2 user of OpenSSL
- Card Reader Functions**
 - Supports multiple card formats, paired and alternate readers, elevator, turnstile and biometric devices
 - Anti-passback support (area, reader and time based)
 - Programmable keypad user commands
 - Threat level and operating mode

Open Architecture: High performance, reliable platform enables use of hardware with Mercury OEM partners' software solutions

Enhanced Security: Embedded crypto memory chip and data at rest encryption provides secured layer of protection of sensitive data

OSDP Protocol: Secure channel communications for reader connectivity

Versatile Interoperability: Same reliable interface and identical footprint as the EP controllers, enabling seamless upgrades for existing deployments

The new Authentic Mercury LP Series Intelligent Controllers are Mercury Security's next generation advanced access control platform that runs on embedded Linux. The enhanced platform offers an improved processor and increased memory, plus feature an embedded crypto memory chip that provides a secured layer of encryption to onboard sensitive data. Built on the Authentic Mercury open platform, LP Series controllers provide the necessary flexibility for OEMs, channel partners and end customers to choose the controller configuration that best fits their needs.

The multi-port LP1502 is a dual card reader panel for controlling two connected doors and managing up to 64 doors/openings. Built on the Authentic Mercury platform, the intelligent controller uses on-board Ethernet port to connect to cloud or server based access control hosts. The intelligent controller performs access control, alarm management and scheduled operations -- all in single package.

With native connectivity, the high-performance LP1502 functions independently of the host for performing numerous access control applications and supports OSDP, OSDP Secure Channel, keypads, biometric readers, Wiegand, clock and data, magnetic stripe, F/2F and supervised F/2F reader technologies. System configuration and setup are provided through Mercury OEM partner software applications.

For partners seeking a comprehensive and open access control platform, and a reliable hardware platform running in a secure environment, the LP1502 is the clear solution. It delivers a complete security and access control solution as well as innovative application extensions, interoperability and data security.

www.mercury-security.com Give your access control system wings.

Genetec LP1502 installation manual is an essential resource for professionals and technicians involved in the installation and setup of Genetec's LP1502, a highly regarded license plate recognition (LPR) camera. This article aims to provide a comprehensive overview of the installation process, key features, and troubleshooting tips, ensuring that you have all the necessary information at your fingertips for a successful installation.

Overview of the Genetec LP1502

The Genetec LP1502 is designed for high-performance license plate recognition applications. It is equipped with advanced imaging technology that allows for accurate reading of license plates in various lighting conditions and speeds. The camera is commonly used in parking enforcement, toll

collection, and security applications.

Key Features

The LP1502 boasts several features that make it a top choice for LPR solutions:

- High-resolution imaging: With its powerful sensors, the LP1502 captures clear images of license plates, even in low-light conditions.
- Wide field of view: The camera can cover a large area, making it efficient for monitoring multiple lanes or entry points.
- Weather-resistant design: Built to withstand harsh environmental conditions, ensuring reliable performance over time.
- Integration capabilities: The LP1502 can be seamlessly integrated with Genetec's security software and other third-party systems.

Pre-Installation Considerations

Before starting the installation process, there are several factors to consider:

Site Assessment

Conduct a thorough site assessment to determine the optimal mounting location for the camera. Consider the following:

1. Field of View: Ensure that the camera's field of view covers the intended area, such as entry and exit points.
2. Lighting Conditions: Assess natural and artificial lighting to minimize glare and shadows that may interfere with image capture.
3. Height and Angle: The camera should be installed at a height that maximizes visibility while minimizing the risk of vandalism. The angle should allow for a clear view of approaching vehicles.

Equipment and Tools Needed

Before beginning the installation, gather the necessary equipment and tools:

- Genetec LP1502 camera
- Mounting brackets
- Power supply unit
- Ethernet cable (for network connectivity)
- Tools: drill, screwdriver, level, measuring tape, and wrench

Installation Steps

Follow these steps for a successful installation of the Genetec LP1502:

Step 1: Mounting the Camera

1. Select the Mounting Location: Choose a location based on your site assessment.
2. Install the Mounting Bracket: Using a drill, secure the mounting bracket to the wall or pole. Ensure it is level and firmly attached.
3. Attach the Camera: Carefully attach the LP1502 to the mounted bracket, ensuring it is securely fastened.

Step 2: Connecting Power and Network

1. Connect the Power Supply: Use the provided power supply unit to connect the camera to a power source. Ensure that the voltage matches the camera specifications.
2. Connect the Ethernet Cable: Use a Cat5e or Cat6 Ethernet cable to connect the camera to your network switch or router. Make sure the cable is of appropriate length to reach the network point without strain.

Step 3: Configuring the Camera

1. Access the Camera's Web Interface: Once powered, access the camera's web interface by entering its IP address into a web browser.
2. Log In: Use the default username and password provided in the installation manual to log in to the camera settings.
3. Configure Network Settings: Set a static IP address or configure DHCP settings based on your network requirements.
4. Adjust Camera Settings: Configure image quality, frame rate, and other settings as per your operational needs.

Post-Installation Checks

After completing the installation, perform the following checks:

Image Quality Assessment

1. Test the Camera's Field of View: Check the camera's coverage to ensure it captures all necessary areas.
2. Evaluate Image Clarity: Observe the captured images for clarity and adjust the focus if necessary.

Connectivity Tests

1. Network Connectivity: Ensure the camera is successfully connected to the network and is accessible via its IP address.
2. Integration with Software: Test the integration with Genetec's security software, ensuring that license plate data is being recognized and logged accurately.

Troubleshooting Common Issues

Despite careful installation, issues may arise. Here are some common problems and their solutions:

Camera Not Powering On

- Check Power Connections: Ensure the power supply is securely connected and functioning.
- Inspect Power Source: Verify that the power outlet is operational.

Poor Image Quality

- Adjust Focus and Angle: Ensure the camera is properly focused and angled to capture clear images.
- Check for Obstructions: Remove any objects that may obstruct the camera's view.

Network Connectivity Issues

- Verify Ethernet Connections: Ensure that all Ethernet cables are securely connected and functioning.
- Check IP Configuration: Confirm that the camera's IP address does not conflict with other devices on the network.

Maintenance and Best Practices

To ensure the long-term performance of the Genetec LP1502, follow these maintenance tips:

- Regular Cleaning: Clean the camera lens regularly to avoid dirt and debris that may obstruct the view.
- Software Updates: Keep the camera's firmware and software up to date to ensure optimal performance and security.
- Routine Inspections: Conduct periodic checks of the camera's physical condition and functionality.

Conclusion

The Genetec LP1502 is a powerful tool for license plate recognition, and understanding the installation process is crucial for its successful deployment. By following the guidelines in this **Genetec LP1502 installation manual**, you can ensure that the camera is installed correctly, configured efficiently, and maintained effectively. Whether for security, parking enforcement, or toll collection, the LP1502 can provide reliable performance when properly installed and maintained.

Frequently Asked Questions

What are the key steps in the Genetec LP1502 installation process?

The key steps include unpacking the unit, mounting it securely, connecting the power supply, and configuring network settings through the Genetec software.

Is there a specific power requirement for the Genetec LP1502?

Yes, the Genetec LP1502 typically requires a power supply of 12V DC, and it's important to ensure that the power source is stable to avoid disruptions.

Where can I find troubleshooting tips for issues during the installation of the LP1502?

Troubleshooting tips can be found in the installation manual, which includes common problems and solutions, or by visiting the Genetec support website.

Does the LP1502 require any specific software for configuration?

Yes, the LP1502 requires the Genetec Security Center software for configuration and management, which can be downloaded from the Genetec website.

What types of environments is the Genetec LP1502 suitable for installation?

The LP1502 is suitable for a variety of environments, including indoor and outdoor settings, but it is recommended to check the IP rating and environmental specifications in the manual.

Are there any common mistakes to avoid during the installation of the LP1502?

Common mistakes include improper power connections, neglecting to secure the unit appropriately, and failing to configure network settings correctly, which can lead to operational issues.

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Discover the Genetec LP1502 installation manual for step-by-step guidance. Ensure a smooth setup of your system. Learn more for expert tips and best practices!

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