



# High Performance Event Detection Server

Installation Guide

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### About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (<http://www.hikvision.com>).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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## Regulatory Information

### FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.


**FCC compliance:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.


### FCC Conditions


This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

### EU Conformity Statement

 This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info)




 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info)

### Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 <b>NOTE</b>	Provides additional information to emphasize or supplement important points of the main text.
 <b>WARNING</b>	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 <b>DANGER</b>	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

## Safety Instructions

Laws and Regulations	Use of the product must be in strict compliance with the local laws and regulations. Please shut down the device in prohibited area.
Power Supply	<ul style="list-style-type: none"> <li>● Use of the product must be in strict compliance with the local electrical safety regulations.</li> <li>● Use the power adapter provided by qualified manufacturer. Refer to the product specification for detailed power requirements.</li> <li>● It is recommended to provide independent power adapter for each device as adapter overload may cause over-heating or a fire hazard.</li> <li>● Make sure that the power has been disconnected before you wire, install, or disassemble the device.</li> <li>● DO NOT directly touch exposed contacts and components once the device is powered up to avoid electric shock.</li> <li>● DO NOT use damaged power supply devices (e.g., cable, power adapter, etc.) to avoid electric shock, fire hazard, and explosion.</li> <li>● DO NOT directly cut the power supply to shut down the device. Please shut down the device normally and then unplug the power cord to avoid data loss.</li> <li>● DO NOT block the power supply equipment to plug and unplug conveniently.</li> <li>● Make sure the power supply has been disconnected if the power adapter is idle.</li> <li>● Make sure the device is connected to the ground firmly.</li> </ul>

<p>Transportation , Use, and Storage</p>	<ul style="list-style-type: none"> <li>● To avoid heat accumulation, good ventilation is required for a proper operating environment.</li> <li>● Store the device in dry, well-ventilated, corrosive-gas-free, no direct sunlight, and no heating source environment.</li> <li>● Avoid fire, water, and explosive environment when using the device.</li> <li>● Avoid lightning strike for device installation. Install a lightning arrester if necessary.</li> <li>● Keep the device away from magnetic interference.</li> <li>● Avoid device installation on vibratory surface or places, and avoid equipment installation on vibratory surface or places subject to shock (ignorance may cause device damage).</li> <li>● DO NOT touch the heat dissipation component to avoid burns.</li> <li>● DO NOT expose the device to extremely hot, cold, or humidity environments. For temperature and humidity requirements, see device specification.</li> </ul>
<p>Maintenance</p>	<ul style="list-style-type: none"> <li>● If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.</li> <li>● If the device is abnormal, contact the store you purchased it or the nearest service center. DO NOT disassemble or modify the device in any way (For the problems caused by unauthorized modification or maintenance, the company shall not take any responsibility).</li> <li>● Keep all wrappers after unpacking them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage to the device and the company shall not take any responsibility.</li> </ul>
<p>Network</p>	<ul style="list-style-type: none"> <li>● Please enforce the protection for the personal information and the data security as the device may be confronted with the network security problems when it is connected to the Internet. Please contact us when the device might exist network security risks.</li> <li>● Please understand that you have the responsibility to configure all the passwords and other security settings about the device, and keep your user name and password.</li> </ul>
<p>Data</p>	<p>DO NOT disconnect the power during formatting, uploading, and downloading. Or files may be damaged.</p>

## TABLE OF CONTENTS

<b>Chapter 1 Appearance and Interfaces .....</b>	<b>6</b>
1.1 Front Panel .....	6
1.2 Rear Panel .....	6
<b>Chapter 2 Installation .....</b>	<b>8</b>
2.1 Install Power Supply Unit .....	8
2.2 Take Out Power Supply Unit.....	8
2.3 Install Bracket .....	8
2.3.1 Install Inner Rail .....	8
2.3.2 Install Outer Rail .....	9
2.3.3 Install Bracket .....	9

# Chapter 1 Appearance and Interfaces

## 1.1 Front Panel

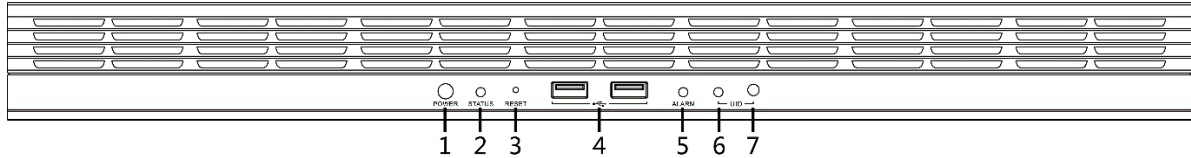


Figure 1-1 Front Panel Interfaces

Table 1-1 Front Panel Interfaces Description

No.	Name	Description
1	Power Indicator	<ul style="list-style-type: none"> <li>● Press it to power on.</li> <li>● Press it for 3 s to forcibly shutdown.</li> <li>● The indicator turns blue when servers power on.</li> </ul>
2	System Status Indicator	<ul style="list-style-type: none"> <li>● Solid blue in normal status.</li> <li>● Darkness in abnormal status.</li> </ul>
3	Reset	Press it to reset.
4	USB	USB 2.0.
5	Alarm Indicator	Solid red indicates that the main board is abnormal.
6	UID Indicator	When UID indicator is turned on, the server will display blue that easily to be located.
7	UID Button	Turn on/off UID indicator.

## 1.2 Rear Panel

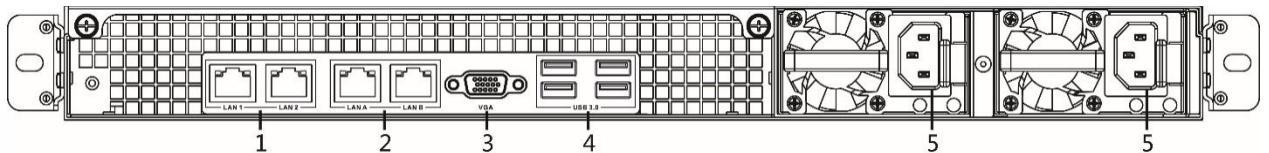


Figure 1-2 Rear Panel Interfaces

Table 1-2 Rear Panel Interfaces Description

No.	Name	Description
1	LAN 1/LAN 2	Gigabit data Ethernet.
2	LAN A/LAN B	Management Ethernet.
3	Debugging Interface	Debug device.
4	USB	USB 3.0.
5	Redundancy 1+1 Power Input Interface	Connect power supply. Redundancy power supply design achieves high availability.



Panel may vary in different models, please refer to actual server.



## Chapter 2 Installation

### 2.1 Install Power Supply Unit

Step 1 Align power supply unit with the unit track.

Step 2 Insert the rear side of power supply unit into node slots, and push it into the track until the front side of power supply unit is parallel to rear panel of server.

### 2.2 Take Out Power Supply Unit

Step 1 Push blue breech lock of power supply unit along left side of server, and drag out it by gripping handle.

Step 2 Drag out it until the whole power supply unit is taken out.

### 2.3 Install Bracket



The bracket should be adaptive with sliding rail, and distance between two strip-shaped plate metals with hole should be ranged from 660 mm~ 850 mm.

#### 2.3.1 Install Inner Rail

Step 1 Snap the back half of inner rail on snap lock in side wall of chassis, and guarantee the installation holes are align with inner rail holes.

Step 2 Fix the back half of inner rail to the device by 2 M4 countersunk screws.

Step 3 Repeat above steps to install another side.

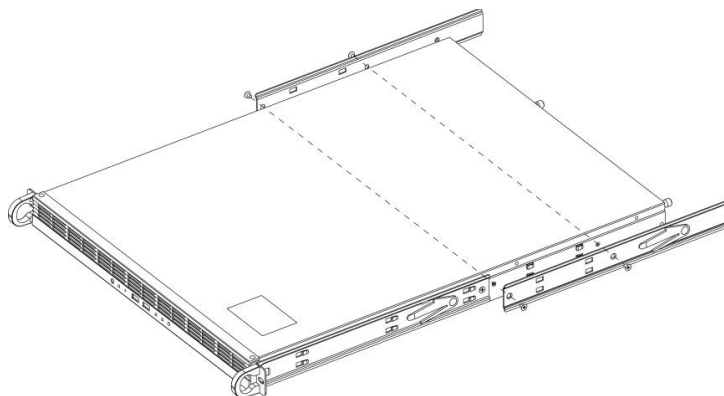


Figure 2-1 Install Inner Rail

## 2.3.2 Install Outer Rail

Step 1 Select a 1 U space in the bracket. Install the equipped M5 caged nuts with 6 in the front and 4 in the back to the inner side of bracket.

Step 2 Assemble the front half and back half of the outer rail.

Step 3 Drag out the back half of the outer rail (marked with back) and adjust the length.

Step 4 Fix the front half (marked with front) and back half of the outer rail in the front and rear bracket by 2 groups of 10 M5 screws and cup washer.

Step 5 Repeat above steps to fix another side.



**NOTE**

The two sides of outer rail should be parallel.

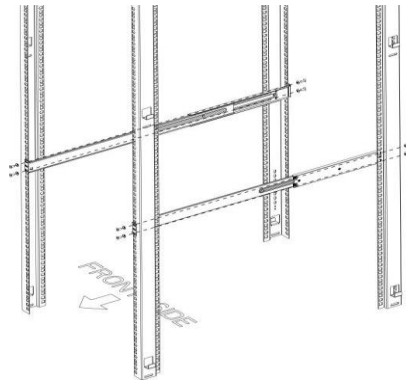


Figure 2-2 Install Outer Rail

## 2.3.3 Install Bracket

Step 1 Check the inner rail is properly fixed in the two sides of chassis, and outer rail is properly fixed in bracket.

Step 2 Align the inner rail with the outer rail.

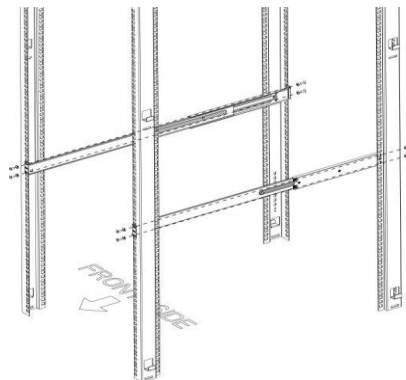


Figure 2-3 Align Inner Rail With Outer Rail

Step 3 Push the server into the bracket along outer rail, until the server is pushed into the inner of the bracket.

Step 4 Fix the server to chassis by 2 groups of 16 M5 screws and cup washer.

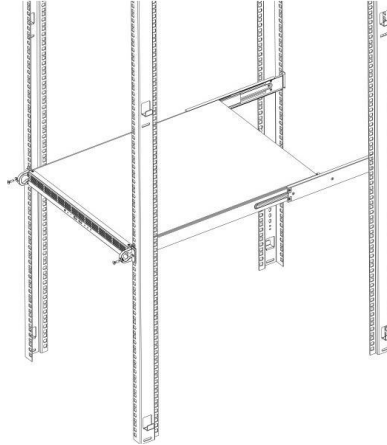


Figure 2-4 Fix the Server

 **NOTE**

When drag out the server from bracket, pull the plastic pick upward in left side, and pull the plastic pick downward in right side.



See Far, Go Further