BLAUPUNKT

User Manual

SMART IOT PLATFORM AIO
BP-VMS-2000



Enjoy it.

Preface

The content of this section is designed to ensure that users use the product correctly to prevent dangers or property loss caused by improper operation. Before using this product, be sure to read this manual carefully. Please keep this manual properly for future reference.

About This Manual

- We recommend that you use this manual under the guidance of a professional.
- This manual is designed for use with multiple product models, and it is not possible to list the appearance and functions of each product individually. Please refer to the actual product for use.
- This manual is intended for multiple software versions, and the illustrations and descriptions in this manual may be different from the actual GUI and functions of the software.
- Despite our best efforts, technical or typographical errors may exist in this manual. cannot be held responsible for any such errors and reserves the right to change the manual without prior notice.
- Users are fully responsible for the damages and losses that arise due to improper operation.
- reserves the right to change any information in this manual without any prior notice or indication. Due to such reasons as product version upgrade or regulatory requirement of relevant regions, this manual will be periodically updated.
- This manual will be updated in real time according to the laws and regulations of the relevant regions. For specific details, please refer to the product's paper copy, QR code, or official website. In case of any discrepancy between the paper copy and the electronic version, the electronic version shall prevail.

About This Product

If the product you have chosen is a video product, please strictly adhere to the applicable laws and regulations. You can visit our official website to inquire about the relevant content.

Instructions for Use

- This document serves as a guide for use only. All statements, information, and suggestions contained in this document do not constitute any express or implied warranty.
- We assume no responsibility for any special, incidental, consequential, or indirect damages resulting from the use of this manual or the use of our products, including but not limited to losses due to loss of business profits, data or document loss, and product malfunction or information leakage caused by cyber-attack, hacker attack, and virus infections.
- Due to uncertain factors such as the physical environment, there may be discrepancies between the actual values of some data and the reference values provided in the manual. In case of any questions or disputes, the company's final interpretation shall prevail.

Formatting Conventions

The UI formatting conventions used in this document are as follows:

Format	Meaning
Bold	Bold means UI elements (button names, menu names, window names, etc.), e.g., Click **Save**.
>	Indicate a sequence of actions, e.g., click Device Management > Add Device, which means first click Device Management, and then click Add Device.

Symbol Conventions

This document uses various distinctive symbols to highlight areas that require special attention during the operation process. The meanings of these symbols are as follows:

Symbol	Meaning
	NOTE: Provides tips and additional information related to the operation and use of the product.
	CAUTION: Alerts to matters that requires attention during operation, as improper handling may lead to product damage, data loss, or functional abnormalities.
	WARNING: The annotations following this symbol demand extra attention, as improper handling could potentially cause personal injury.

Safety Precautions

The device must be installed, serviced and maintained by a trained professional with necessary safety knowledge and skills. Before you start using the device, please read through this guide carefully and make sure all applicable requirements are met to avoid danger and loss of property.

Storage, Transportation, and Use

- Store or use the device in a proper environment that meets environmental requirements, including and not limited to, temperature, humidity, dust, corrosive gases, electromagnetic radiation, etc.
- Make sure the device is securely installed or placed on a flat surface to prevent falling.
- Unless otherwise specified, do not stack devices.
- Ensure good ventilation in the operating environment. Do not cover the vents on the device. Allow adequate space for ventilation.
- Protect the device from liquid of any kind.
- Make sure the power supply provides a stable voltage that meets the power requirements of the device. Make sure the power supply's output power exceeds the total maximum power of all the connected devices.
- Verify that the device is properly installed before connecting it to power.
- Always disconnect the device from power before attempting to move the device.
- Take proper waterproof measures in accordance with requirements before using the device outdoors.

Power Requirements

- Install and use the device in strict accordance with your local electrical safety regulations.
- Use a UL certified power supply that meets LPS requirements if an adapter is used.
- Use the recommended cordset (power cord) in accordance with the specified ratings.
- Only use the power adapter supplied with your device.
- Use a mains socket outlet with a protective earthing (grounding) connection.
- Ground your device properly if the device is intended to be grounded.

Battery Safety

Please use batteries properly; otherwise, there is a risk of fire or explosion.

- Warning: Using incorrect battery models can lead to explosion.
- If you need to replace the battery, it is recommended that you go to an authorized service center or have it replaced under professional supervision. We shall not be held responsible for any issues arising from unauthorized battery replacement.
- When replacing the battery, be sure to use a battery of the same type as the original! Using the wrong model for replacement (such as certain types of lithium batteries) may cause safety protection to fail.
- Batteries must not be exposed to overheat environments such as sunlight, fire, as this may lead to fire, explosion, or combustion.
- Do not dispose of batteries in fire or heating appliances. Do not squeeze, bend, or cut batteries, as it may cause explosion.
- Do not expose batteries to extremely high or low temperatures, or to very low-pressure environments, as this may cause explosion or leakage of flammable liquid/gas.
- Dispose of the used battery according to your local regulations or the battery manufacturer's instructions.
- For products or the included remote control containing a button cell battery: Do not ingest the battery - chemical burn hazard! If swallowed, a button cell battery can cause severe internal burns within 2 hours and may be fatal. Precautions (including but not limited to):
  - Keep new and used batteries away from children.
  - Stop using the product and keep it away from children if the battery compartment is not securely closed.
  - If you suspect that a battery may have been swallowed or inserted inside any part of the body, seek immediate medical attention.

Network Security

Please take all necessary measures to enhance network security for your device.

The following are necessary measures for the network security of your device:

- **Change default password and set strong password**: You are strongly recommended to change the default password after your first login and set a strong password of at least nine characters including all three elements: digits, letters and special characters.
  - Do not include the account name or the reverse of the account name.
  - Avoid using consecutive characters, such as 123, abc, etc.
  - Do not use overlapping characters, such as 111, aaa, etc.

- **Keep firmware up to date**: It is recommended that your device is always upgraded to the latest version for the latest functions and better security. **The following are recommendations for enhancing network security of your device:**
- **Change password regularly**: Change your device password on a regular basis and keep the password safe. Make sure only the authorized user can log in to the device.
- **Enable HTTPS/SSL**: Use SSL certificate to encrypt HTTP communications and ensure data security.
- **Enable IP address filtering**: Allow access only from the specified IP addresses.
- **Minimum port mapping**: Configure your router or firewall to open a minimum set of ports to the WAN and keep only the necessary port mappings. Never set the device as the DMZ host or configure a full cone NAT.
- **Disable the automatic login and save password features**: If multiple users have access to your computer, it is recommended that you disable these features to prevent unauthorized access.
- **Choose username and password discretely**: Avoid using the username and password of your social media, bank, email account, etc, as the username and password of your device, in case your social media, bank and email account information is leaked.
- **Restrict user permissions**: If more than one user needs access to your system, make sure each user is granted only the necessary permissions.
- **Disable UPnP**: When UPnP is enabled, the router will automatically map internal ports, and the system will automatically forward port data, which results in the risks of data leakage. Therefore, it is recommended to disable UPnP if HTTP and TCP port mapping have been enabled manually on your router.
- **SNMP**: Disable SNMP if you do not use it. If you do use it, then SNMPv3 is recommended.
- **Multicast**: Multicast is intended to transmit video to multiple devices. If you do not use this function, it is recommended you disable multicast on your network.
- **Check logs**: Check your device logs regularly to detect unauthorized access or abnormal operations.
- **Physical protection**: Keep the device in a locked room or cabinet to prevent unauthorized physical access.
- **Isolate video surveillance network**: Isolating your video surveillance network with other service networks helps prevent unauthorized access to devices in your security system from other service networks.

Regulatory Compliance

FCC Statements

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Visit https://global.uniview.com/Support/Download_Center/Product_Installation/Declaration/ for SDoC.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

LVD/EMC Directive

This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

WEEE Directive–2012/19/EU



The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

Battery Regulation- (EU) 2023/1542



Battery in the product complies with the European Battery Regulation (EU) 2023/1542. For proper recycling, return the battery to your supplier or to a designated collection point.

1 Packing List

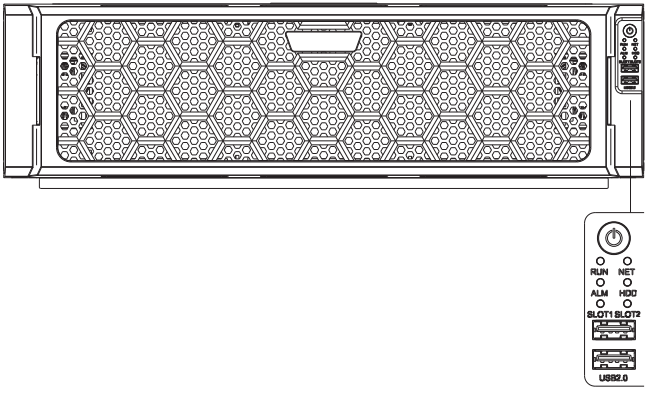
The package contents may vary with device model and version.

No.	Name	Qty	Unit
1	Device	1	PCS
2	Power supply module	1	PCS
3	Power cable	1	PCS
4	Grounding cable	1	PCS
5	Hard disk handle	16	Pair
6	Phoenix terminal	6	PCS
7	Mouse	1	PCS
8	Screw	1	Bag
9	Product documents	1	Set

2 Product Overview

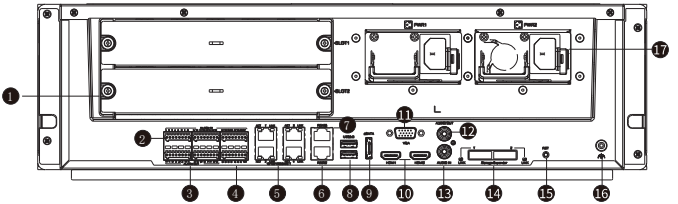
The device integrates various functions such as video management, device management, personnel management, vehicle management, and access control & attendance. It is easy to deploy, flexible to expand, stable and reliable, and can be widely used in various campus area security scenarios.

2.1 Front Panel



Item	Description	
(Power button)	A short press powers on; a long press powers off.	
USB2.0	2 x USB 2.0 interfaces for connecting USB drive, mouse, keyboard, etc.	
RUN (Operation)	Steady on	Device is operating properly
	Blinking	Device is starting up
ALM (Alarm)	Steady on	Device alarm occurred
NET (Network)	Steady on	Connected to network
SLOTn (Card slot)	Steady on	PCIe card is in position (reserved function)
HDD (Hard disk)	Steady on	Any slot hard disk is in position
Hard disk slot indicator light (located inside the front panel)	Steady green	The hard disk is operating properly
	Steady yellow	Disk status is abnormal
	Blinking yellow	Rebuilding RAID

2.2 Rear Panel



No.	Description
1	2 PCIe card slots (reserved function)
2	24 alarm inputs for connecting alarm devices such as door sensors
3	8 alarm outputs for connecting sirens, strobes, etc.
4	12V DC output
5	4 network interfaces for connecting to Ethernet switches
6	RS232

7	RS485
8	2 x USB 3.0 interfaces for connecting USB drive, mouse, keyboard, etc.
9	Connects e-SATA hard disk.
10	HDMI audio/video output interface for connecting to a monitor's HDMI input interface
11	VGA video output interface for connecting to a monitor's VGA input interface
12	Audio output interface
13	Audio input Interface
14	miniSAS interface for connecting to a storage device
15	Reset button. A short press will restart the device
16	Grounding terminal for connecting the grounding cable to ground the equipment
17	2 power supply modules for receiving AC mains power input

3 Device Installation

3.1 Check Before Installation

1 Check package contents

Check against the packing list to ensure all components are complete before installation.

2 Check installation tools

Please prepare the following tools:
- Flathead screwdriver and Phillips screwdriver
- Antistatic wrist strap or gloves

3 Check installation site
- The device must be installed indoors.
- The environment must meet lightning protection requirements, with appropriate lightening protection devices if necessary.
- The device must be properly grounded through its grounding terminal.

3.2 Install the Device

Install the device in a standard 19-inch rack or place it on a clean tabletop or workbench.

3.2.1 Install the Device in a Rack

Before installing the device in a rack, ensure that the rack meets the following

requirements:
- The rack is stable and properly grounded.
- The rack is firm enough to hold the weight of the device and cables.
- There are no obstacles in and around the rack that may affect installation.
- Glass doors are forbidden.
- The rack is fixed on the ground. Casters are forbidden.

Plan space and position in the rack according to the device height (3U) and quantity, and start installation from the allocated space that is closest to the bottom of the rack.

3.2.2 Install the Device on a Workbench

Place the device on a clean workbench or tabletop if a standard 19-inch rack is not available.

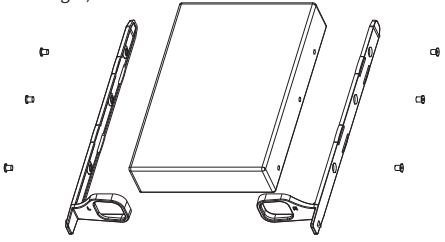
Before installation, check that:
- The workbench is firm enough to bear the weight of the device and cables.
- The workbench is stable and well grounded.
- Allow at least 30cm space at the front and back sides and at least 10cm space at the left and right sides of the device for heat dissipation.
- Do not stack the device or place any items on it.

3.3 Install Hard Disks

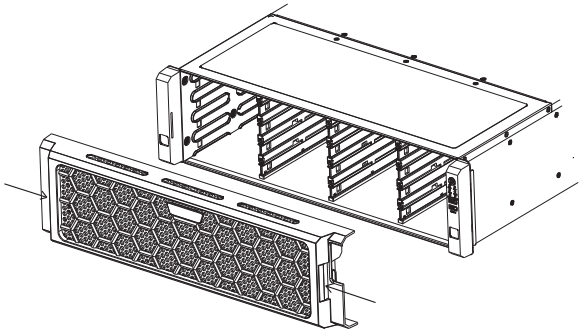
The device supports the installation of 16 3.5-inch hard disks (sold separately).

CAUTION!
Before installation, be sure to disconnect the power and wear ESD wrist strap or gloves.

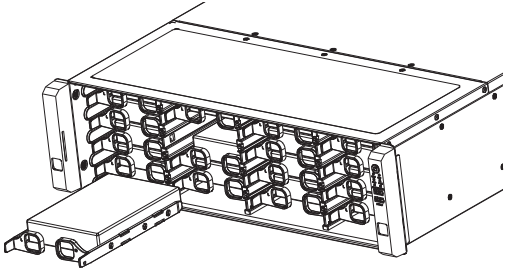
1. Install hard disk handles: Fix the hard disk to the handles (L for left and R for right) with screws.



2. Remove the front panel: Press the clips on both sides simultaneously and remove the front panel.



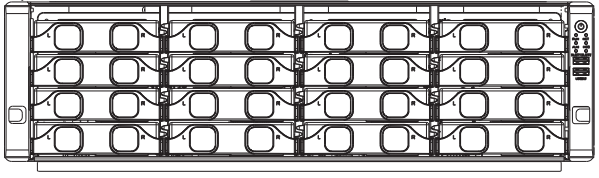
3.Insert the hard disk: Align the disk with the disk slot and then gently insert the disk.



NOTE!

The first slot in the top left corner is for image storage, the other slots are for video storage.

4.Lock the disk: Push the hard disk slowly with your thumb till it clicks into place.



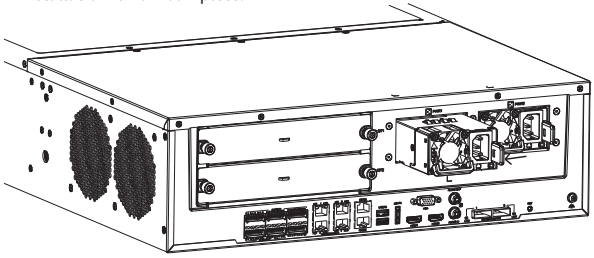
5. Install the front panel: Align the front panel with the chassis and push it back firmly.

CAUTION!

To replace a disk, pull the handles to detach the hard disk from the backplane, wait for at least 30s till the hard disk completely stops operation, and then pull out the disk steadily.

3.4 Install Power Module

1. Remove the blank panel of the power module. Press the spring latch to the left, and firmly pull the blank panel outward.
2. Take the power module from the accessory box, and verify the orientation (spring latch on the right side).
3. Press the spring latch to the left, and gently slide the power module along the guides until you hear the spring latch click into place, and now installation is now complete.



3.5 Connect Grounding Cable

WARNING!

To prevent bodily injury and device damage, make sure the device is properly grounded.

The grounding impedance shall be less than 5Ω, and the length should not exceed 30 meters.

Connect one end of the grounding cable to the grounding terminal of the device and the other end to a reliable grounding point (such as the grounding bus in the data center).

4 Startup

Plug one end of the power cable into the power interface of the device and plug the other end into the mains power supply to start up the device.

CAUTION!

- Pressing and holding the ⏻ button will turn off the device; pressing once briefly will turn on the device.
- Do not disconnect power when the system is operating or shutting down.

5 Default Configuration

The default network settings shown below may modified as required.

Parameter	Default
Network address	Network interface 1: 192.168.1.60 Network interface 2: 192.168.2.60 Network interface 3: 192.168.3.60 Network interface 4: 192.168.4.60 Subnet mask: 255.255.255.0
Server username/password	root / admin_123
Client username/password	admin / admin_123
NOTE! The default password is intended only for your first login. To ensure security, please change the password after your first login. You are strongly recommended to set a strong password of at least nine characters including all three elements: digits, letters and special characters.	

1. Connect the device directly to a computer using an Ethernet cable, or connect both the device and computer to the same network switch.
2. Change the computer's IP address to the same subnet as the device's default IP (192.168.x.x).
3. Open Chrome and go to ***http://device's default IP*** to access the web client.
4. Go to **System Config** > **Network Management** > **Network Config** > **TCP/IP**, and change the device's IP address as needed.
5. Connect the device to the network (e.g., switch or router) via an Ethernet cable.

6 System Login

Use the web interface for device management and maintenance.

1. Make sure your computer and the device are connected via network.
2. Open Chrome and visit ***http://device's actual IP*** to access the login page.
3. Enter the correct username and password, then click **Login**.
4. You can access the user manual in the top-right corner for detailed operations.

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