



## Intelligent Management System



# Product Manuals

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## **Preface**

Thank you for using NuboMed Intelligent Management System. NuboMed Intelligent Management System is applied to medication management in the operation room pharmacies, which can help the hospital improve management efficiency, streamline medication workflow, reduce the workload, and deliver better patient care.

This product manual can be used as reference material for the training and operation of the product.

**Shenzhen NuboMed Technology Co., Ltd.**

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# 1、 Statements

## 1.1 Important Statements

Before the operation, please read the product manual carefully. Special attention should be paid to safety instructions. Failure to follow these instructions may result in device damage or personal injury.

1. The intelligent management system can only be operated by trained staff, following the instructions of this manual.
2. Please maintain the equipment according to the maintenance instructions in this manual. Device maintenance can only be carried out by Shenzhen NuboMed Technology Co., Ltd. or its authorized and designated service personnel.
3. Do not install the device near an electromagnetic interference source.
4. Do not change the software and hardware settings of the device.
5. Shenzhen NuboMed Technology Co., Ltd. reserves the right to make changes in the product design or/and product documentation without notification to its users.

## 1.2 Operating Environment

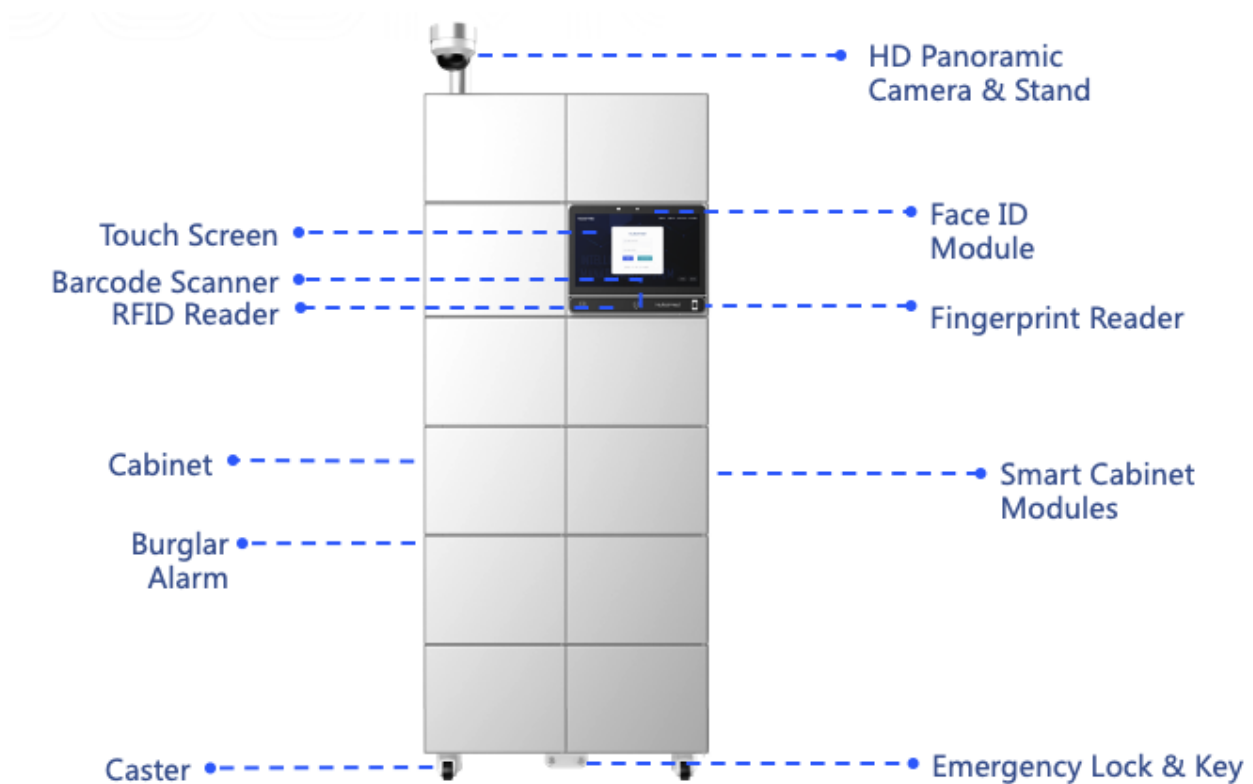
- (1) Operating Temperature: 5~40°C
- (2) Operating Humidity: 20~65%
- (3) No explosive dangerous medium is allowed on the site. The surrounding medium should not contain gas or conductive medium that corrodes metal and damages insulation.
- (4) The site should be equipped with protective facilities against rain, snow, wind, sand, and ash.

### 1.3 Configuration

Item	Qty	Unit
Main Control Module (Touch Screen; Fingerprint/Face ID/RFID Card Authentication Module; Barcode Scanner)	1	Set
Operating System	1	Set
Cabinet	1	Set
Smart Cabinet Components	1	Set
Temperature & Humidity Monitor Modules	1	Set
Casters	4	Pic
Emergency Lock & Key	1	Set
Battery	1	Set
Burglar Alarm	1	Set
HD Camera & Stand	1	Set
Video Recorder (with local network and hard disk)	1	Set
UPS	1	Set
Smart RFID Medical Kits Box	12	Set
Barcode Scanner (Optional)	1	Set
Printer & Stand (Optional)	1	Set

## 2、 Product Illustrations

### 2.1 Components



### 2.2 Components Illustrations

- (1) Dimensions: W:800mm x D:611.7mm x H:1932mm (camera stand not included); four omni-directional wheels
- (2) Main Control Module: HD touch screen with the main control system for the operation of the intelligent management system
- (3) Fingerprint/Face ID/RFID Card Authentication Module; Barcode Scanner
- (4) Smart Cabinet Components: one RFID for each unit; automatic identification
- (5) Temperature & Humidity Monitor Modules: track the temperature and humidity level of the cabinet inside
- (6) Burglar Alarm: when the cabinet is damaged by external force, the cabinet triggers the alarm.
- (7) Emergency Access: Under special circumstances such as blackout or breakdown, the emergency lock key can open all the drawers and keep the integrity of the cabinet.

(8) HD Camera: 360° HD Camera for monitoring


### 3、 Frequently Asked Questions

Category	Descriptions	Solutions
Startup Failure	The device and power indicator do not respond.	The power cables are not correctly connected. (Check whether the control circuit is disconnected or contacted well)
		The power strip connected to the device is disconnected. (Replace it with a valid power board or contact O&M electrical engineers for repair.
		Check whether the power switch is open.
		The fuse wires of the power go wrong. (Contact the manufacturer or relevant professionals for follow-up maintenance and replacement).
	The power indicator of the monitor is off, and there is no response on the black screen.	The screen is turned off. (Turn on the screen switch after startup.)
		The DC power supply plug of the screen is loose (reconnect the power plug and make sure it is correctly connected).
		The signal wire or plug is damaged. (Contact the manufacturer or relevant personnel to follow up the maintenance and treatment)
		The main cabinet layer breaks down.

Main Cabinet	Errors occur while the main cabinet responds.	(Contact the manufacturer or relevant professionals for follow-up maintenance and replacement)
	Errors occur while the main cabinet does not respond.	The network breaks down. (Contact the manufacturer or related professionals to rectify the network configuration.)
		Network error occurs in the environment (Check whether the network cable of the device is properly connected.)
		Network error occurs in the environment (Contact the hospital engineers for maintenance)

## 4、Precautions

### 4.1 Important Notes

- The symbol  warns device damage or personal injury may occur if the operating procedure is violated.
- Please do not disassemble the device without permission.
- Before powering on the device, ensure that the external input power supply is consistent with the rated voltage and current of the device.
- If the power cable or power plug is old or damaged, or the plug is improperly connected to the socket, it may cause electric shock, heat, or fire. Stop using the power cable and contact maintenance engineers.
- After the device is installed, do not place it near heat sources, or at where there is much moisture and dust, or where the ground is uneven.
- If the medication distribution system is abnormal, do not destroy it by force. Contact our engineer.
- There are precision electronic components inside the equipment. Please do not expose them to strong vibrations and impact to avoid failure and danger.



## 4.2 Previewing

- Check whether the system is in proper operation.
- Check whether there is any medication loss or expired items.

## Cleaning Guidelines

- Please use a mild cleanser to clean the product. Do not use corrosive detergent, solvent, wax, paraffin, or steam.
- Cleanser detection: user can test the cleanser by using different dosage or exposure time (as recommended by the supplier) in the open air.
- the user can place it in the open, by reducing the exposure time and detergent use test shall be carried out in accordance with the supplier recommended dilution, to reduce the damage on the surface of the workstation.
- Remove any visible stains as soon as possible.

## 5、Commitment

NuboMed has established a complete and strict quality control system to make sure the high quality of our products. Because the product is a high-tech complex intelligent device, if you do not follow the instructions, you may inevitably make mistakes or damage the device. Therefore, please read and understand this manual in detail, and then in strict accordance with our operation guidelines to operate the equipment.

If you have any comments or suggestions, please feel free to contact us.

**Shenzhen NuboMed Technology Co., Ltd.**

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**FCC Warning**

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.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
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Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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\* Content subject to change.