

# Quick Guide

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## Prestel KB-IPM



Prestel KB-IPM keyboard, based on the professional hardware development platform, supports network image decoding as well as has the original analog control, which brings users more humanized view and manageable experience.

# PART ONE: KNOWING THE KEYBOARD

Keyboard function on the front panel:

Keys	Function description
0~9	Value of number
MON	To call monitor
WIN	To call window (screen)
CAM	To call Camera
CLEAR	Clear/log out input number, to cancel operation
MENU	menu
ENTER	to confirm input, enter sub menu, when input IP address, key of“.”
Shuttle	Control cursor movement
Joystick	To control PTZ movement, menu cursor movement.
Joystick zoom	Zoom near or Far
NEAR	Zoom near
FAR	Zoom far
OPEN	Iris open
CLOSE	Iris close
SHOT	Auxiliary keys
RUN	Run
STOP	stop
MULT	Multiplexer
PRESET	Preset
Power indicator	Blue indicator always be on
Communication indicator	Green indicator twinkle.
AUX1	WIN forward switch
AUX2	Auto Switch stop
AUX3	Auto Switch start
AUX4	WIN back switch

# PART TWO: WIRING JOB

## 1. Components Inventory

No	Unit
1	Prestel KB-IPM
2	Junction box
3	Onvif IP Camera
4	Router
5	Monitor
6	DVI-HDMI cable
7	High speed data cable
8	Network cable



Keyboard



Junction box



Onvif IPCamera



router



Monitor



High speed data cable



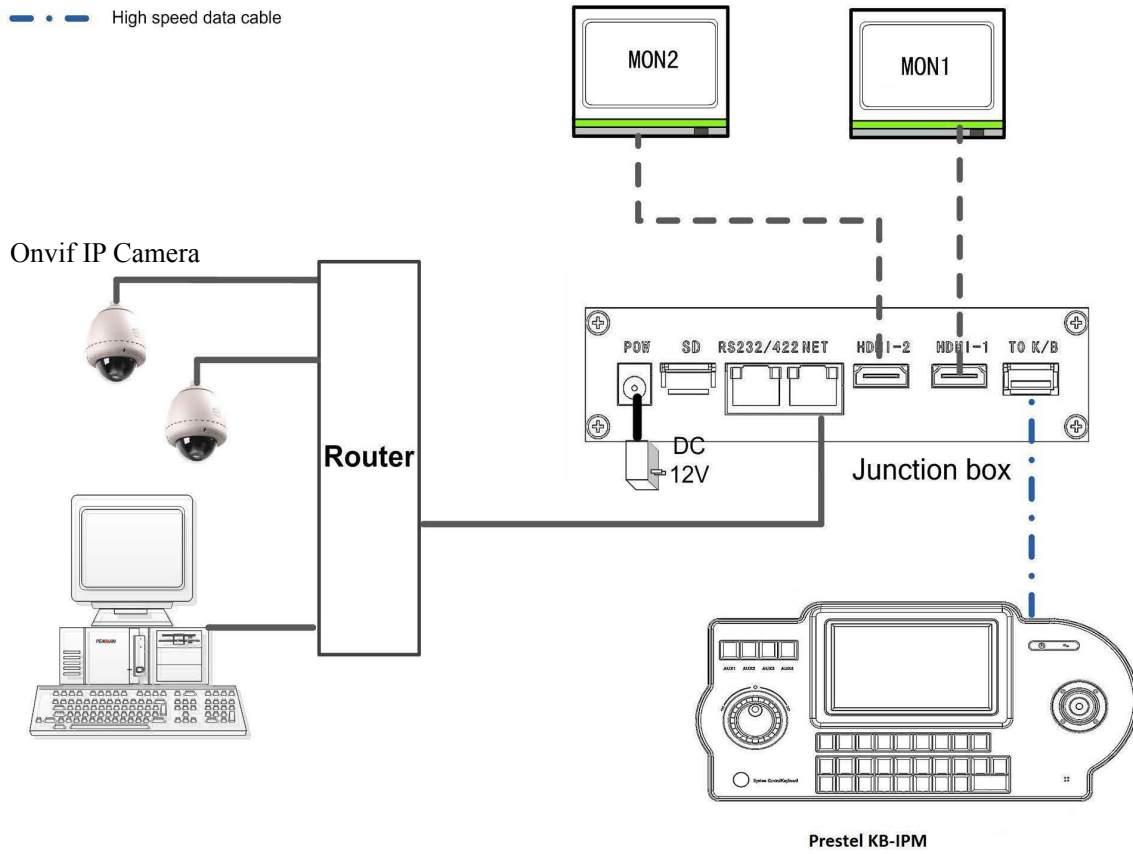
DVI-HDMI cable



Network cable

## 2. Wiring diagram

- network
- - - Video
- • • High speed data cable



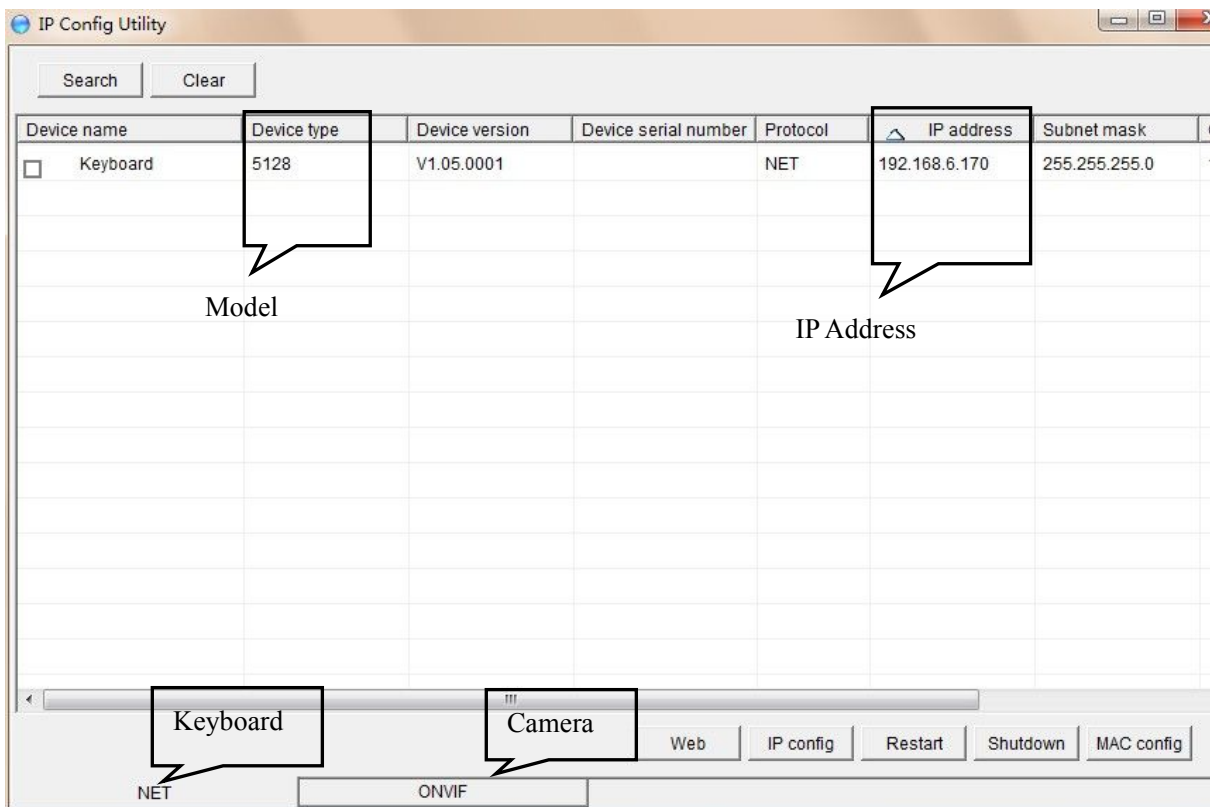
## PART THREE: CONFIGURATION

### 1. Check the IP Address of each component

1) Open IPConfig.exe

2) On the tab of “Net”, click “Search” you will find the IP Address of the **keyboard**

On the tab of “ONVIF”, click “Search” you will find the IP Address of the **camera**.



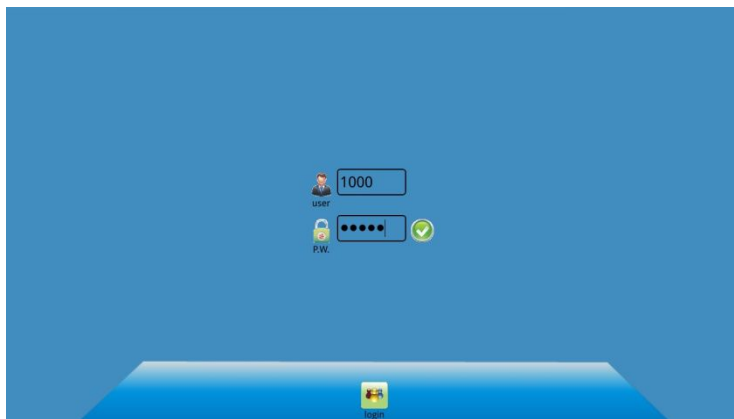
*You are supposed to ensure that all necessary equipment has been connected correctly by checking whether the information of the all units are showing on the IPConfig.exe*

**▲ Notice 1:** Please ensure that the IP Address of each unit is on the same gateway, or it won't show up in the IPConfig.exe. For example, If the IP Address of the computer is 192.168.6.50, all equipment IP Address should be 192.168.6.n.

## 2. Configuring on the configuration interface

### 2.1 Configuring on Keyboard

When the connection is completed, the interface of the keyboard will show as below



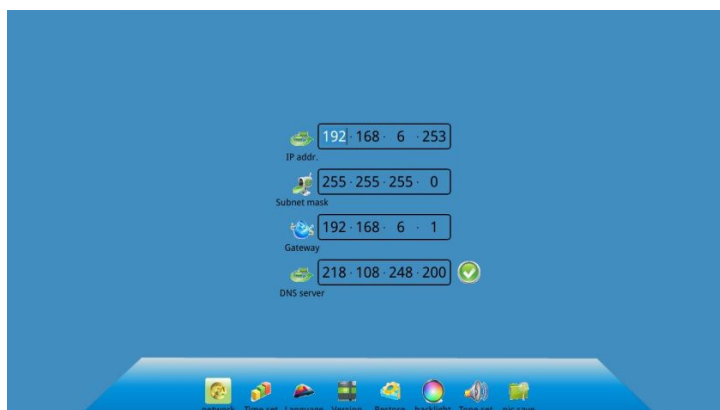
Default **User Name**:1000

Default **Password**: 12345

1)After logging in to the keyboard, you are supposed to long press the “**MENU**” button on the panel and you will see the interface as below.



In the interface of “**Network**”, you will see the IP Address of the keyboard. You could change the IP Address of the keyboard on the interface or the web page of configuration



**Operation description:**

Functions	Operation desc.
MON splitting	N (MON No.) +MON+M (1/4/9/16) +MULT
WIN switch video	N (WIN No.) +WIN+M (CAM No.) +CAM
To run auto switch	N (WIN No.) +WIN+M(Salvo No.)+AUX3
To stop auto switch	N (WIN No.) +WIN+M(Salvo No.)+AUX2
To set Preset N	N+ (SHOT+PRESET)
To call Preset N	N+PRESET
PTZ control	To control current CAM/PTZ by joystick
MENU	To press MENU button a little long time, to enter system setup, to press MENJU button a little short time, to check Source list.
Note: auto switch including cruise, salvo, splitting.	

**▲ Notice:** The Video shown on the keyboard is the same as the image from the Monitor 1

## 2.1 configuring on the web page

### 2.1.1 Log in

Open the internet explorer and input the IP of the box.

Default **User name**: admin

Default **Password**: 12345



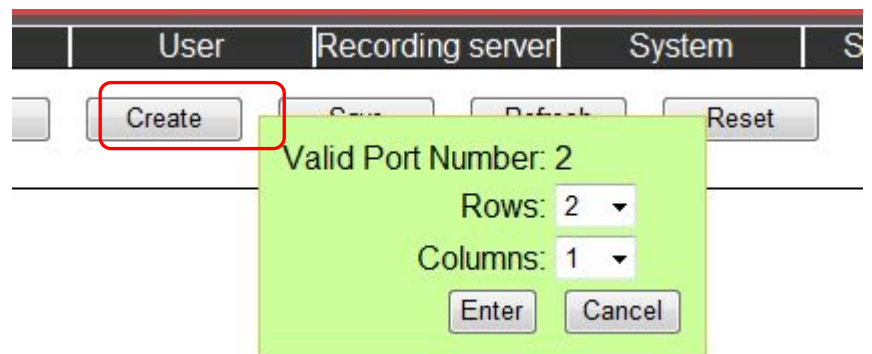
### 2.1.2 Display setting



1) Click the **“Create”**, to create the numbers of windows shown on the screen.

Select **“Rows”** to **“2”**

Select **“Columns”** to **“1”**



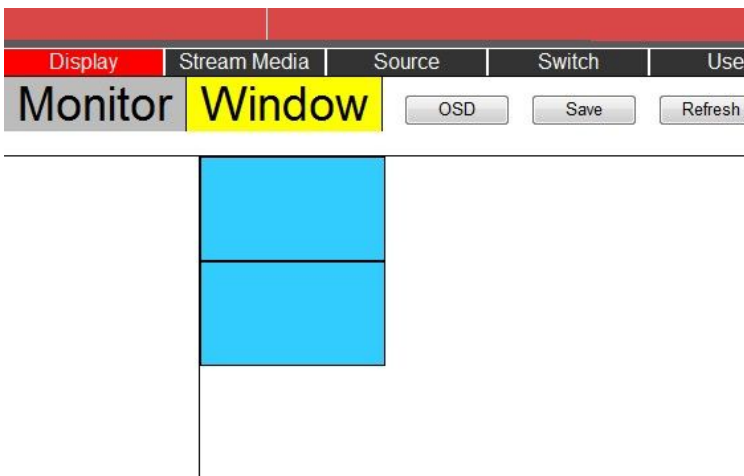


After setting, it will show the interface as below. Then click **“save”**, or the settings will be invalid.

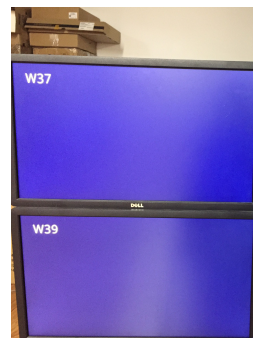
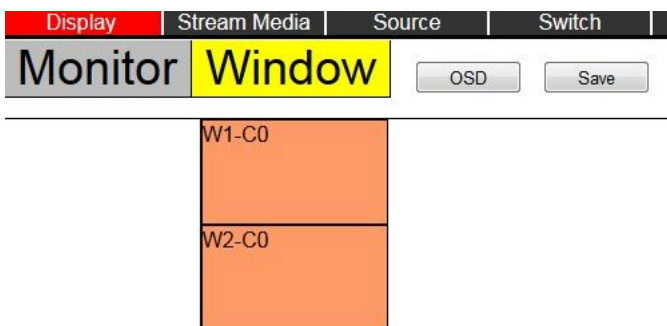
▲ **Notice:** The operation will be valid only if “save” is clicked.



2) Switch from **“Monitor”** to **“Window”** , you will see nothing but blue screen both on configuration interface and monitor.



3) Click **“Win=Mon”**, the monitor and interface will display as below.

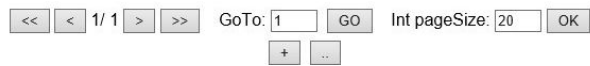
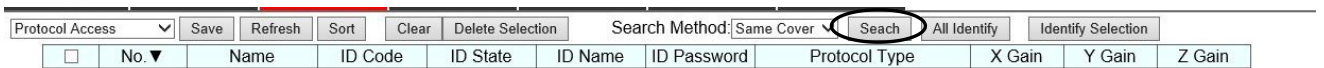


### 2.2.3 Adding camera

1) Select the Tab “**Source**”, and pull down the menu to select the “**Protocol Access**”. The interface is as below.



2) Click “**Search**” to search out all IP cameras which have been connected to the Router.



3) You will see that all added cameras are under “Unidentified” state, then click “All Identify” to activate the cameras.

Protocol Access										
Save Refresh Sort Clear Delete Selection Search Method: Same Cover Search All Identify Identify Selection										
No. ▼	Name	ID Code	ID State	ID Name	ID Password	Protocol Type	X Gain	Y Gain	Z Gain	
1	Please input camera label.	urn:uuid:89587512-0702-8312-f0007f7f0332	Unidentified	admin	admin	192.168.6.221	100%	100%	100%	
2	Please input camera label.	urn:uuid:89587512-0702-8312-f0007f7f02ec	Unidentified	admin	admin	192.168.6.69	100%	100%	100%	
3	Please input camera label.	urn:uuid:331e05566-7788-99aa-001212065c8b	Unidentified	admin	admin	192.168.6.232	100%	100%	100%	
4	Please input camera label.	urn:uuid:00073a988-88a9-875f-0700075f875f	Unidentified	admin	admin	192.168.6.222	100%	100%	100%	
5	Please input camera label.	urn:uuid:7e634d3db-11b5-84b9-c056e3d56c1c	Unidentified	admin	admin	192.168.6.238	100%	100%	100%	

**▲ Notice:** If there is some cameras that could not be identified, please check the ID Name and the ID Password of the cameras again.

Then the ID state of all cameras are succeed as below. (Don't forget to click the button “save”)

Protocol Access										
Save Refresh Sort Clear Delete Selection Search Method: Same Cover Search All Identify Identify Selection										
No. ▼	Name	ID Code	ID State	ID Name	ID Password	Protocol Type	X Gain	Y Gain	Z Gain	
1	请输入相机标题	urn:uuid:89587512-0702-8312-f0007f7f0332	Succeed	admin	admin	CMI -- 192.168.6.221	100%	100%	100%	
2	请输入相机标题	urn:uuid:89587512-0702-8312-f0007f7f02ec	Succeed	admin	admin	CMI -- 192.168.6.69	100%	100%	100%	
3	请输入相机标题	urn:uuid:331e05566-7788-99aa-001212065c8b	Succeed	admin	admin	2 [[rtsp://192.168.6.232/user=admin/real_stream)(1280*960)]] [[rtsp://192.168.6.232/user=admin/real_stream)(352*288)],ProName1=Profile	100%	100%	100%	
4	请输入相机标题	urn:uuid:00073a988-88a9-875f-0700075f875f	Succeed	admin	admin	2 [[rtsp://192.168.6.222/rtsp_transportmode=unicast&profile=H264(1920*1080)]] [[rtsp://192.168.6.222/rtsp_transportmode=unicast&profile=H264(352*240)],ProName1=H264	100%	100%	100%	
5	请输入相机标题	urn:uuid:7e634d3db-11b5-84b9-c056e3d56c1c	Succeed	admin	admin	2 [[rtsp://192.168.6.238:554/StreamName1=H264(1920*1080)]] [[rtsp://192.168.6.238:554/StreamName1=H264(352*240)],ProName1=H264	100%	100%	100%	

<< < 1 / 1 > >> GoTo: 1 GO Int pageSize: 20 OK

## 2.2.4 Realize some functions

Choose the “Switch” Tab, you will see there are 3 functions as below.

Display | Stream Media | Source | **Switch** | User | Recording server | System | Screenshot

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Cruise:

Number: 1

Step	Time	CAM No.
1	15	
2	15	
3	15	

+

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salvo:

Number: 2 Column Number: 3

Step	Time	1	2	3
1	15			
2	15			
3	15			

+

---

Segmentation:

Number: 3 Splitting Number: 4   MON No.: 1

Step	Time	CAM No.	CAM No.	CAM No.	CAM No.
1	15				
2	15				
3	15				

### 1)Cruise

You could assign **any window( WIN N)** to display indicated cameras automatically followed by recycling in indicated time.

#### EXAMPLE1:

Under the help of the keyboard, you could indicate any “WIN” to show the video of camera 2,3,4 automatically followed by recycling in 15 seconds.

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Cruise:

Number: 1

Step	Time	CAM No.
1	15	2
2	15	3
3	15	4

+

## 2)Salvo

The function is similar to the Cruise but it could make numbers of windows to realize it.

### EXAMPLE2:

salvo:

Number: 2 Column Number:

Step	Time	1	2	3
1	15	1	1	1
2	15	2	2	2
3	15	3	3	3

Under the help of the keyboard, you could make

- ①“WIN1” to display camera1,2,3 automatically followed by recycling in 15 seconds.
- ②“WIN2” to display camera1,2,3 automatically followed by recycling in 15 seconds.
- ③“WIN3” to display camera1,2,3 automatically followed by recycling in 15 seconds.

## 3)Segmentation

You could assign one monitor to divide into 4/9/16 windows and each window displays a certain video of camera automatically followed by recycling in certain time.

### EXAMPLE3:

Segmentation:

Number: 3 Splitting Number:  MON No.:

Step	Time	CAM No.	CAM No.	CAM No.	CAM No.
1	15	1	2	3	4
2	15	5	6	7	8
3	15	9	10	11	12

In Segmentation section, you could choose the “**splitting number**” to “**4**”, “**Mon No**” is “**1**”.

Under the help of the keyboard, the matrix will realize the function as below

- ① In first 15 seconds, Mon 1 will split into 4 images and each window will show the video of the camera 1,2,3,4
- ② In next 15 seconds, Mon 1 will split into 4 images and each window will show the video of the camera 5,6,7,8
- ③ In last 15 seconds, Mon 1 will split into 4 images and each window will show the video of the camera 9,10,11,12