



# Features of NVR

2017 May





## ***NVR PRODUCTS LINE***

### **H.264 Compact**

- 4/9/16ch
- 2x HDD



### **H.264 POE**

- 4ch
- 2x HDD
- **4 port POE**



### **H.264 Standard**

- 4/9/16ch
- 3x HDD
- 1x E-SATA
- RAID 0/1/5



### **H.264 POE**

- 4/9/16ch
- 3x HDD
- 1x E-SATA
- RAID 0/1/5
- **4/8 port POE**

### **H.265 Standard**

- 16/25/36ch
- 8x HDD
- 2x E-SATA
- RAID 0/1/5



### **H.265 POE**

- 16/25/36ch
- 8x HDD
- 2x E-SATA
- RAID 0/1/5
- **16 port POE**

# NVR FEATURES 1



- New Interface with easy operation desk
- Support whole channel 8MP IP camera simultaneously
- POE support mode: **Plug & Play, Dual Ethernet & Bridge**
- POE management menu
- Quick timeline search bar
- E-MAP on IE & local NVR: drag IP cam on map and click for preview
- Optimize network function
- Backup by USB / Samba / FTP / Google Drive / Dropbox
- Max 8TB HDD for each and S.M.A.R.T. info
- Support ONVIF 2.4.2 / Profile S



## ***NVR FEATURES 2***

- RAID 0,1,5
- e-SATA
- Single channel playback with time line bar in live view
- Smart search with Album / bookmark (click for playback)
- Support 4K2K IP cam
- VGA/HDMI dual monitor output (HDMI up to 4K2K for H.265)
- Default & recovery button on board
- P2P option
- P2P IP cam support
- Mac Safari browser support
- APP push video function





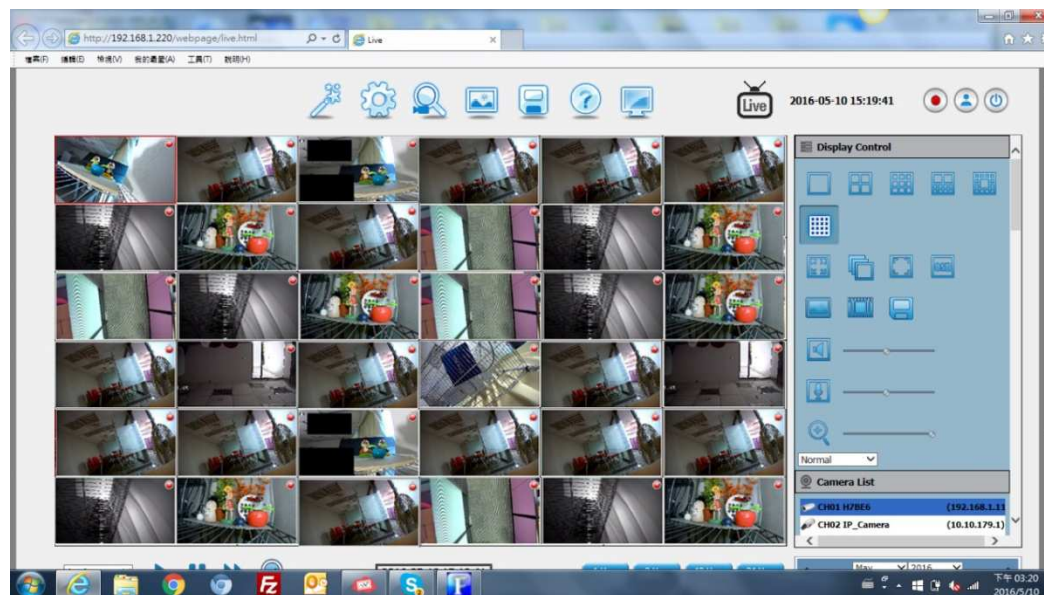
# USER-FRIENDLY UI



Whole New User-Friendly  
Recording Interface



Support up to 36 channel  
**8MP** IP camera Simultaneously

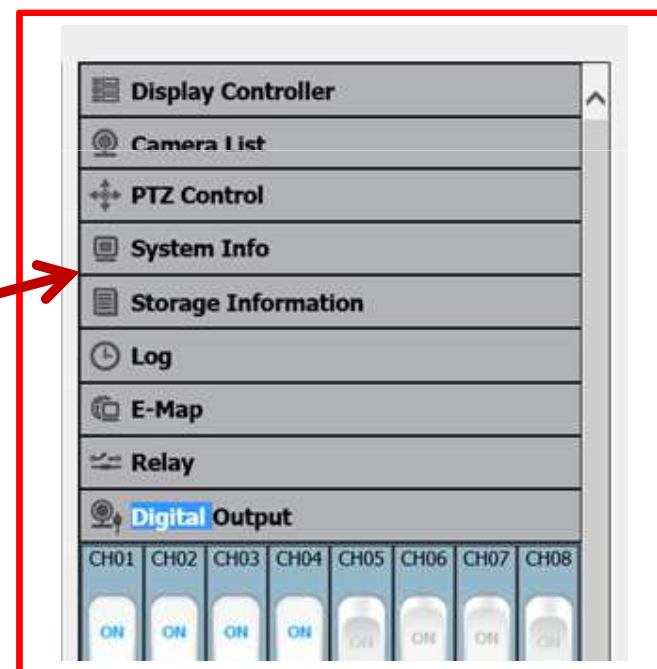
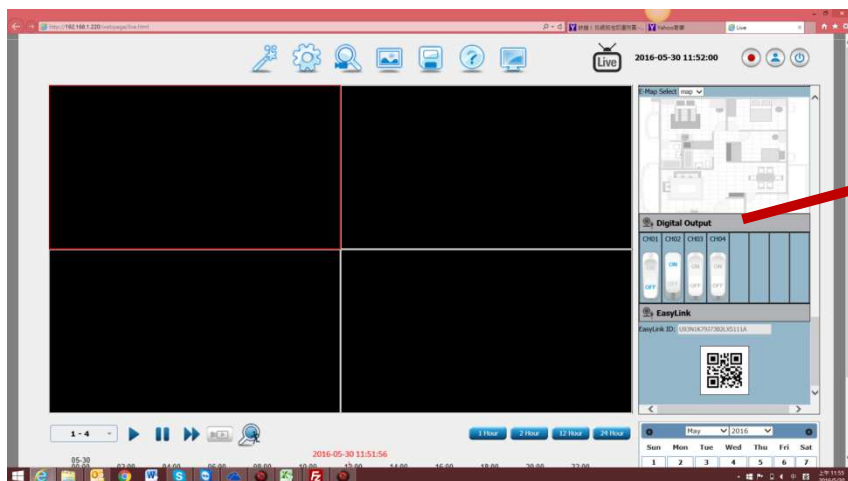




# FULL INFORMATION ON DESK



Right click panel to show full NVR information: Display Controller, Camera List, PTZ control, System Info, Storage Info, Log list, E-Map, Relay, Digital output





# ***CLICK LOG FOR QUICK PLAYBACK***



Right click log list (System / NVR / Event) for quick playback

The screenshot shows a security camera software interface. At the top, there is a toolbar with icons for settings, search, and other functions. Below the toolbar, there is a live video feed showing an office interior. To the right of the live feed, there is a panel with system information and a log list. The log list is titled 'Event' and contains a table of events. A red box highlights a specific event in the log list, and a red arrow points to it.

2017-01-03 17:55:51  
Online Users: 0

Total Hard Drive Capacity: 160 GB

| No.   | Free  | Used  | Total  |
|-------|-------|-------|--------|
| 1 D01 | 90 GB | 62 GB | 160 GB |

system  
NVR  
Event

| Date       | Time         | Info        |
|------------|--------------|-------------|
| 2017/01/03 | 18:17:34.000 | CHC2 motion |
| 2017/01/03 | 18:16:21.000 | CHC2 motion |
| 2017/01/03 | 18:15:46.000 | CHC2 motion |
| 2017/01/03 | 18:15:30.000 | CHC2 motion |
| 2017/01/03 | 18:13:54.000 | CHC2 motion |
| 2017/01/03 | 18:12:39.000 | CHC2 motion |
| 2017/01/03 | 18:09:48.000 | CHC2 motion |
| 2017/01/03 | 18:03:51.000 | CHC2 motion |
| 2017/01/03 | 17:55:29.000 | CHC2 motion |

Previous 2 / 3 Next

E-Map



## ***POE MODE : PLUG&PLAY / DUAL ETHERNET / BRIDGE***



|  | <b>Plug &amp; play (Default)</b>  | <b>Dual Ethernet</b>  | <b>Bridge</b>                              |
|--|---|---|--|
| <b>NVR LAN</b>                               | 2 x LAN IP address<br>(Internal/External)   | 2 x LAN IP address<br>(Internal/External)                                 | 1 x LAN IP address                         |
| <b>Port-Channel<br/>bundling</b>             | Auto setup channel 1 when IP<br>camera plug to Port 1                                 | No bundling   | No bundling                                |
| <b>IP Cam plug to<br/>NVR POE port</b>       | NVR assign IP address to IP Cam<br>automatically                                      | NVR will assign IP address to IP<br>Cam while user enables DHCP<br>server | Same as ordinary NVR                       |
| <b>ONVIF IP cam plug<br/>to NVR POE port</b> | NVR will assign IP address to IP<br>Cam while user enables DHCP<br>server             | NVR will assign IP address to IP<br>Cam while user enables DHCP<br>server | Same as ordinary NVR                       |
| <b>Advantage</b>                             | setup automatically & release<br>LAN loading  | Release LAN loading   | Same as ordinary NVR                       |
| <b>Disadvantage</b>                          | User cannot setup IP address of<br>IP CAM & not easy to forward IP<br>CAM to Internet | not easy to forward IP CAM to<br>Internet                                 | Heavy LAN loading in<br>large scale system |





# ***POE MODE : PLUG&PLAY / DUAL ETHERNET / BRIDGE***

192.168.1.200



**Plug & Play / Dual Ethernet mode**

192.168.1.200



10.10.179.1

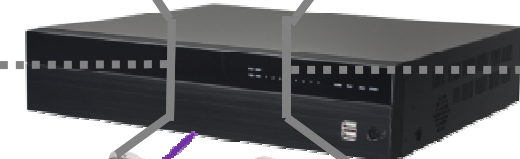
10.10.179.2

**Plug&Play: Auto setup IP cam  
Dual Ethernet: manual setup IP cam**



**Bridge Mode**

192.168.1.200



192.168.1.201

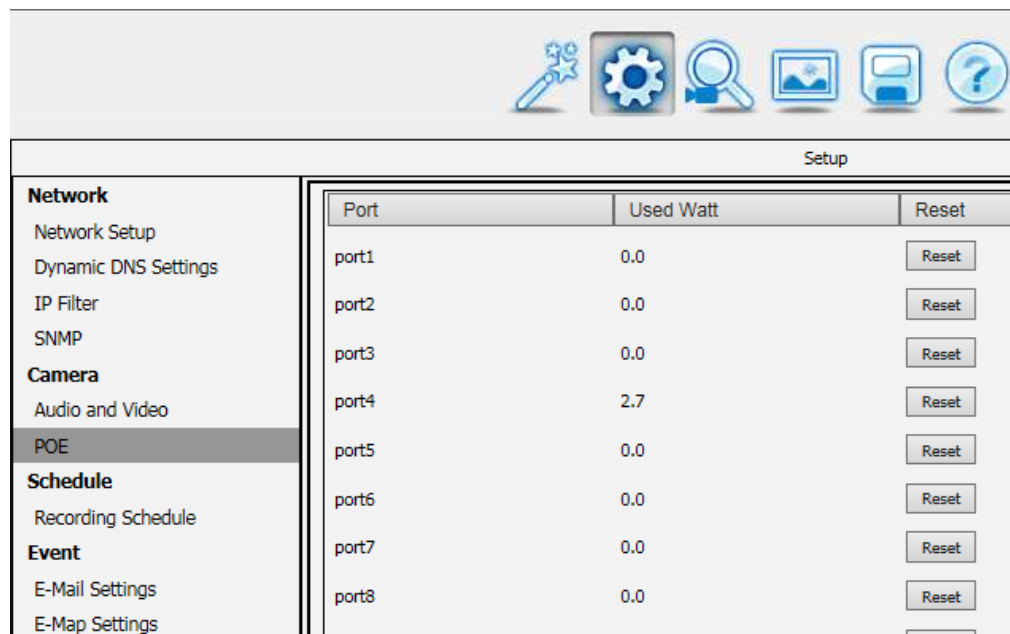
192.168.1.202

# POWER MANAGEMENT NTP SERVER



## POE Power management

1. Detect IP cam power consumption
2. Reboot single IP cam

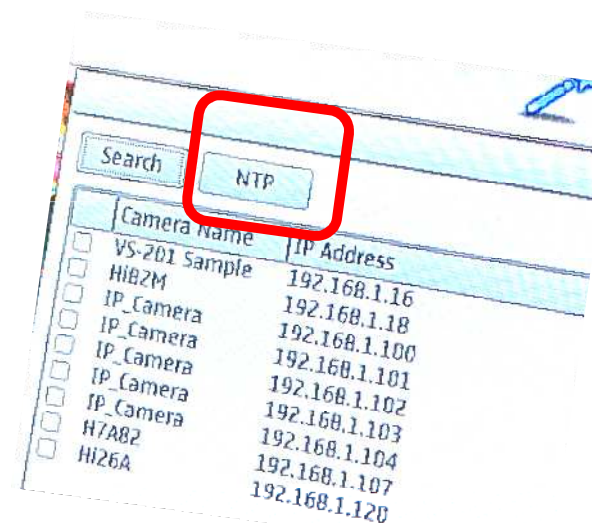


The screenshot shows the 'Setup' page of the NTP server. On the left is a navigation menu with categories: Network, Camera, Schedule, and Event. The 'POE' option under the 'Camera' category is highlighted. The main area displays a table with 8 ports, each showing its 'Used Watt' and a 'Reset' button. The 'Reset' button for port4 is highlighted in red.

| Port  | Used Watt | Reset |
|-------|-----------|-------|
| port1 | 0.0       | Reset |
| port2 | 0.0       | Reset |
| port3 | 0.0       | Reset |
| port4 | 2.7       | Reset |
| port5 | 0.0       | Reset |
| port6 | 0.0       | Reset |
| port7 | 0.0       | Reset |
| port8 | 0.0       | Reset |



## NVR as IP CAM NTP server option



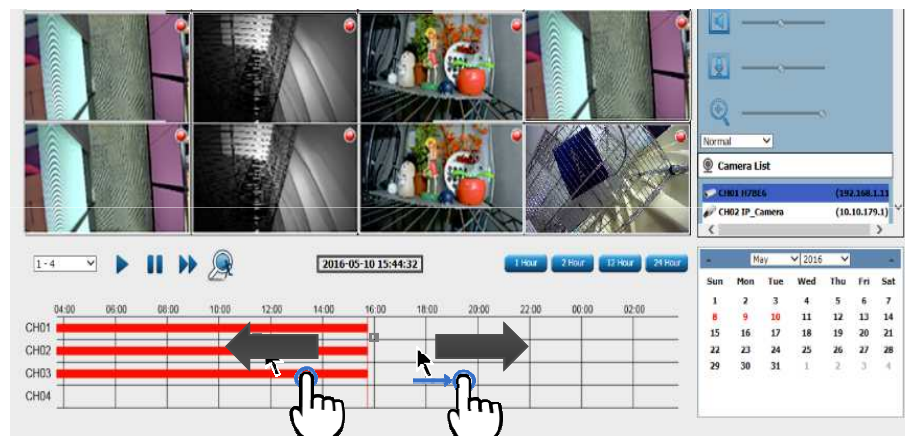
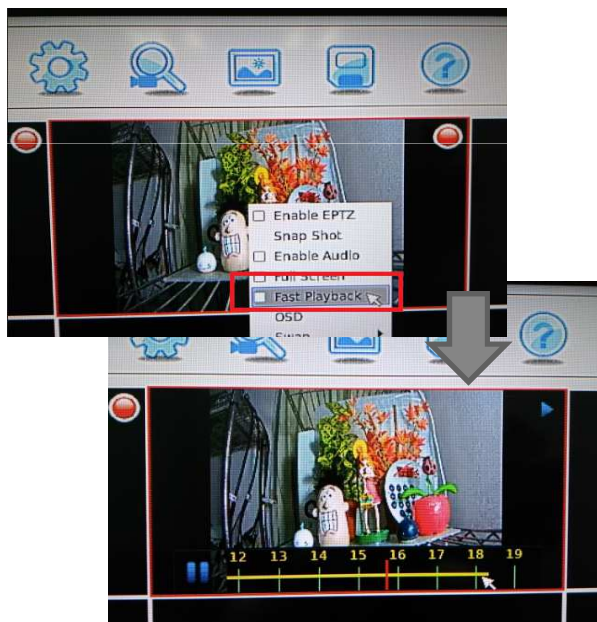
The screenshot shows the 'NTP' option in the 'Search' field, which is highlighted with a red box. Below the search field is a table listing cameras and their IP addresses.

| Camera Name   | IP Address    |
|---------------|---------------|
| VS-201 Sample | 192.168.1.16  |
| HiB2M         | 192.168.1.18  |
| IP_Camera     | 192.168.1.100 |
| IP_Camera     | 192.168.1.101 |
| IP_Camera     | 192.168.1.102 |
| IP_Camera     | 192.168.1.103 |
| H7A82         | 192.168.1.104 |
| Hi26A         | 192.168.1.107 |
|               | 192.168.1.120 |

Activated IP cam NTP server  
simultaneously

# EASY PLAYBACK

💡 Single channel playback with timeline bar in live view



Easy Playback by mouse drag  
& drop on Live Demo footage

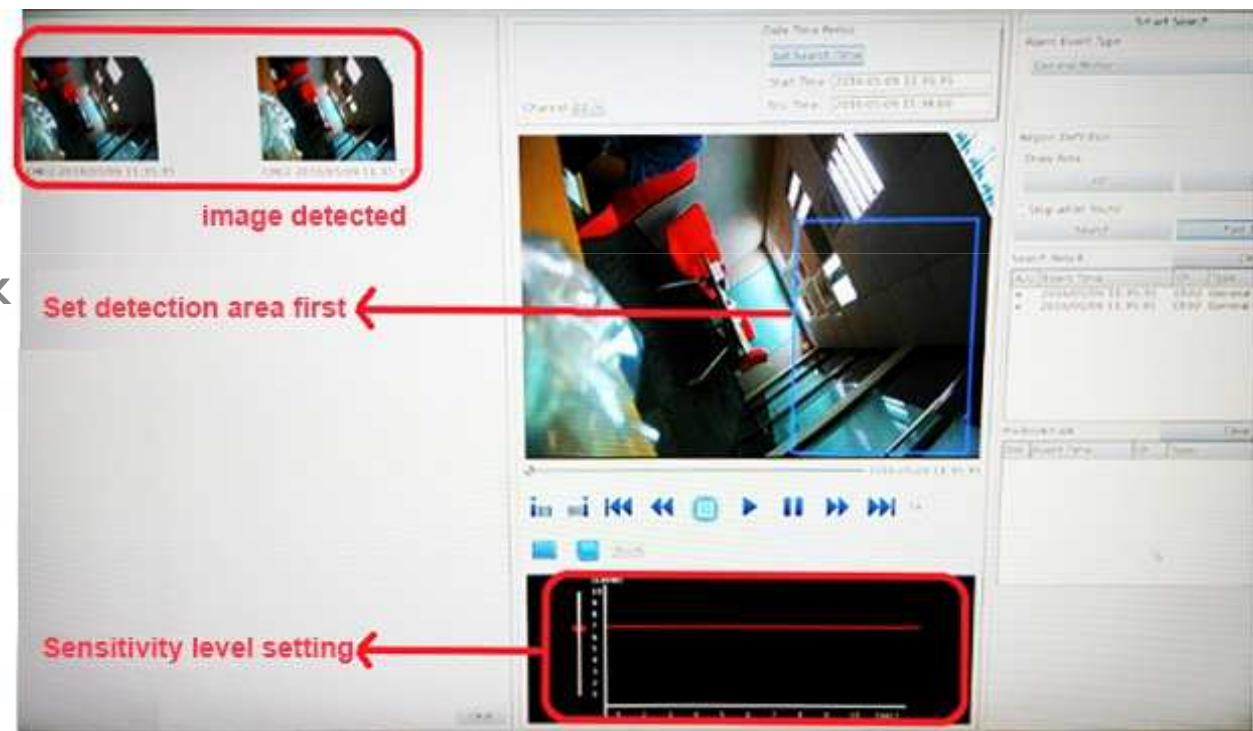




# SMART SEARCH



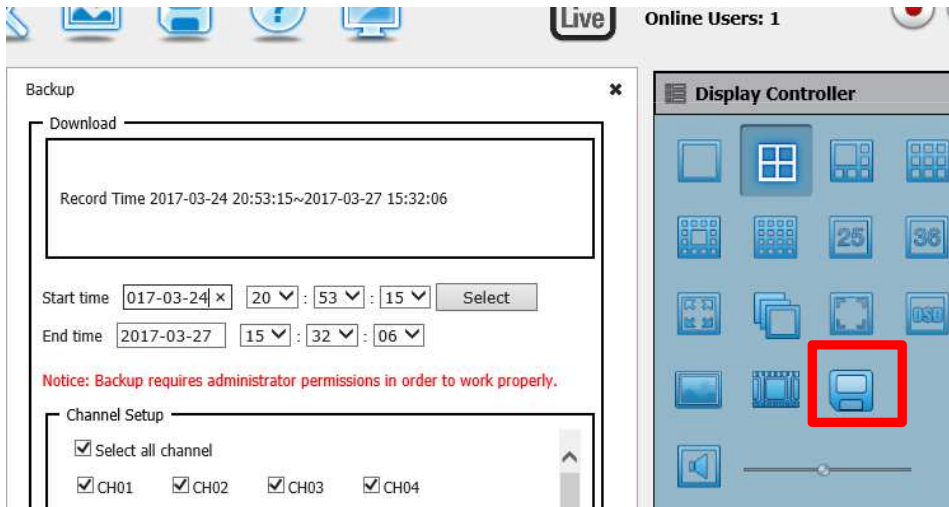
Smart search with  
album & bookmark



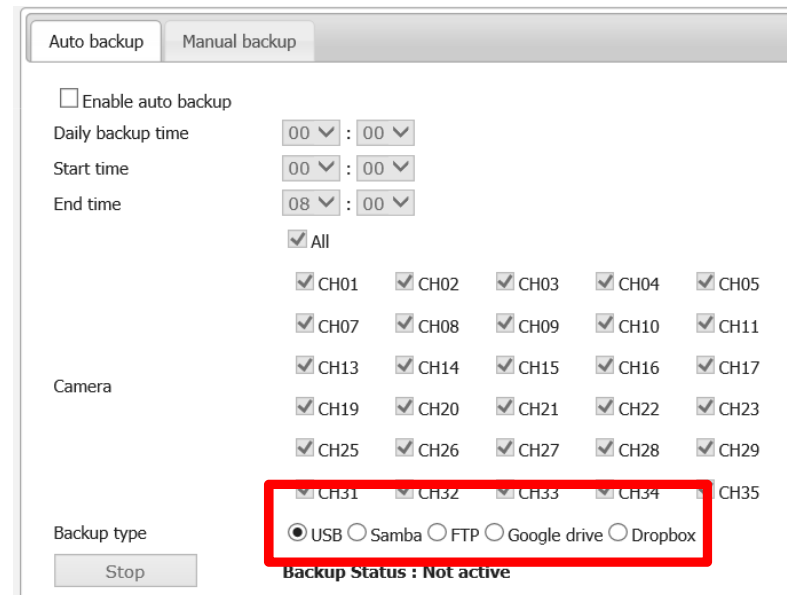
# BACKUP

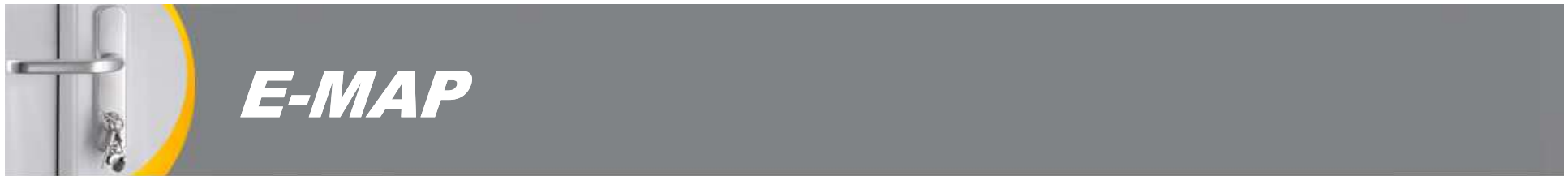


Right click backup icon on desk menu

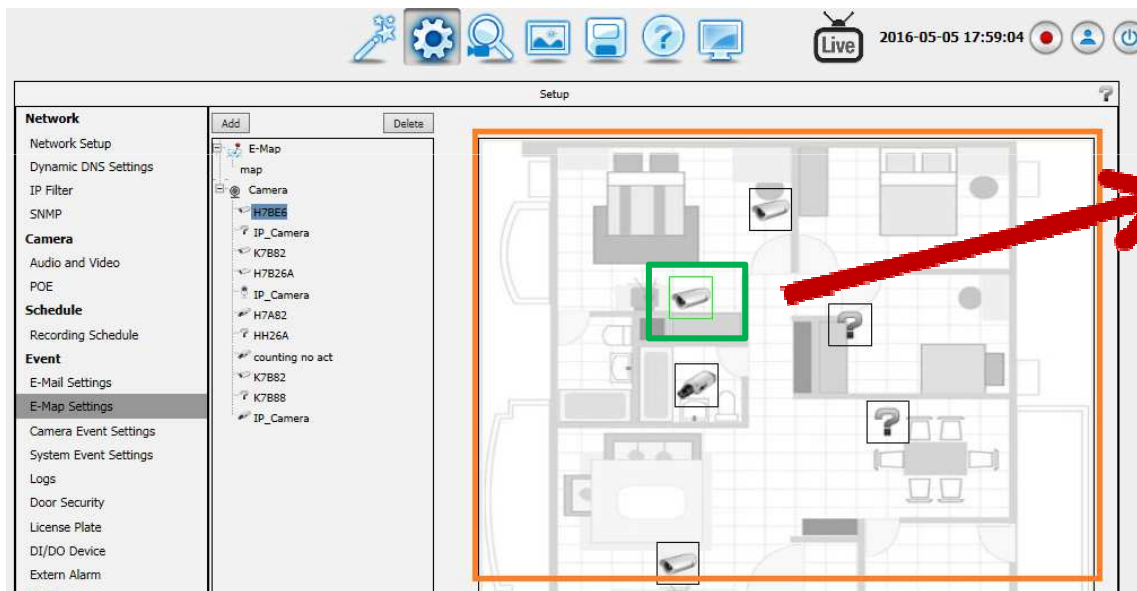


Auto backup by FTP/Samba/Google Drive/ Dropbox





E-MAP for IE and local NVR: drag & click for preview







# ***AUTOMATIC OVERWRITE***



Automatic Overwrite function for customer privacy purpose

Setup

**Schedule Settings**

☐ Enable scheduled recording

☒ Enable Automatic Overwrite

☒ Enable audio recording

☐ Keep 180 Day(s) Video [1~99]

**Recording Settings**

Pre-record : 10 (Second)

Post-record : 10 (Second)

**Schedule Settings**

Camera List

- CH01 sony
- CH02 Hi26A
- CH03 None
- CH04 None

☒ Continuous recording ☐ Record on event ☐ Record on motion ☐ Record

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

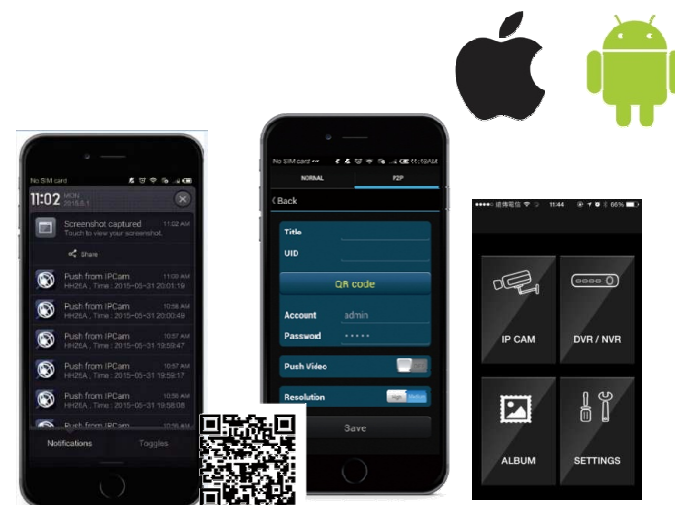
Sun

Mon



# ***APP – IP Motion***

|                   |              |
|-------------------|--------------|
| Compression       | H.264        |
| Resolution        | 5MP          |
| Adjust Resolution | Yes          |
| Landscape         | Yes          |
| Pinch in/out      | Yes          |
| Push Video        | Yes          |
| Setup             | Easy         |
| Channel Display   | 4 / 9 / 16ch |
| P2P QR code scan  | Yes          |



**Push Video**

**P2P: QR Code or UID**





## ***FREE CMS SUPPORT***

- Up to 10 NVR connections
- 3 level of authority (Admin/User/Guest) with no number limited
- Customized layout for live display
- Support multi Monitor with resolution output support up to 4K2K
- White/Black access list
- Event manager with preview image
- User friendly UI with hidden setup menu
- E-map alarm reminding in different colors
- OEM unlimited channel

