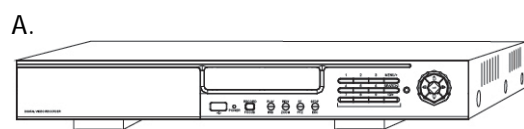# OKINA USA

HD SDI H.264 DVR – 4/8/16 CH.
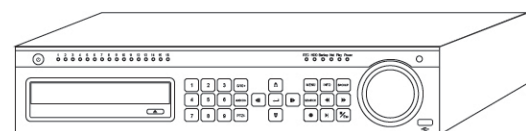# Quick Setup Guide

HDRR-04
HDRR-08
HDRR-16

PACKAGE CONTENTS

A. One (1) HDRR-04 / HDRS-08 / HDRR-16 DVR
B. One (1) Remote Controller
C. Two (2) AAA Battery for Remote Controller
D. One (1) USB Mouse
E. One (1) Power Cord
F. Two (2) 8-Screw on Terminal Connector – HDRR-04 / HDRR-08
   Four (4) 8-Screw on Terminal Connector – HDRR-16
G. Two (2) External eSATA Cable
H. Ten (10) SATA Cable Inside DVR

I. Two (2) Rack Mount Ear w/ Screws – HDRR-16
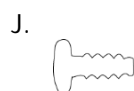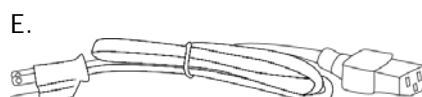J. Thirty-two (32) Hard Drive Screws – HDRR-16
K. One (1) DB15 to 16-CH Audio Cable – HDRR-16
L. One (1) DVDRW Stand w/ Screws – HDRR-16
M. One (1) Quick Setup Guide
N. One (1) CMS Software & Manual CD

A.

4 / 8 CH.

16 CH.

B.

C.

D.

E.

F.

x 2 (4 / 8 CH.)
x 4 (16 CH.)

G.

x 2
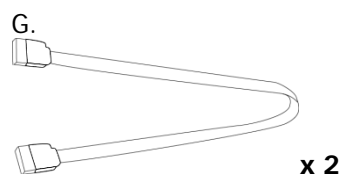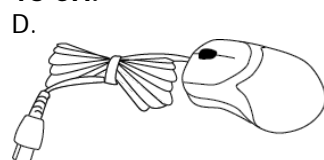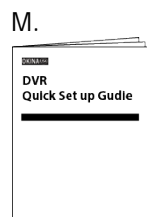
H. Inside the DVR

x 10

I.

x 2 (16 CH.)

J.

x 32 (16 CH.)

K.

x 1 (16 CH.)

L.

x 1 (16 CH.)

M.

N.
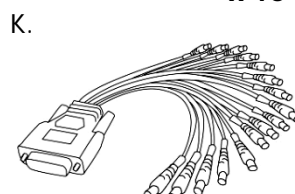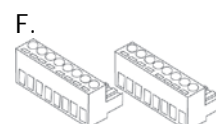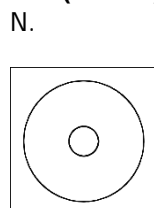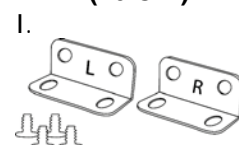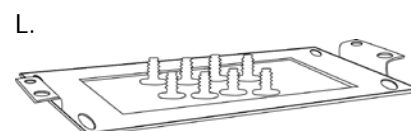
Notes:
Any Return Must Include All Components. Additional charges apply for any missing components. A UPS Battery Backup System is highly recommended to avoid power failure restoration damage to Hard Drive & Motherboard.

Please read this Quick Setup Guide before installation.

***Quick Setup Guide & User's Manual are subject to change without notice.*

DV-18 / DV-19 / DV-20
R201405-V09

PANEL DEFINITION

1. Front Panel – 4 / 8 CH.
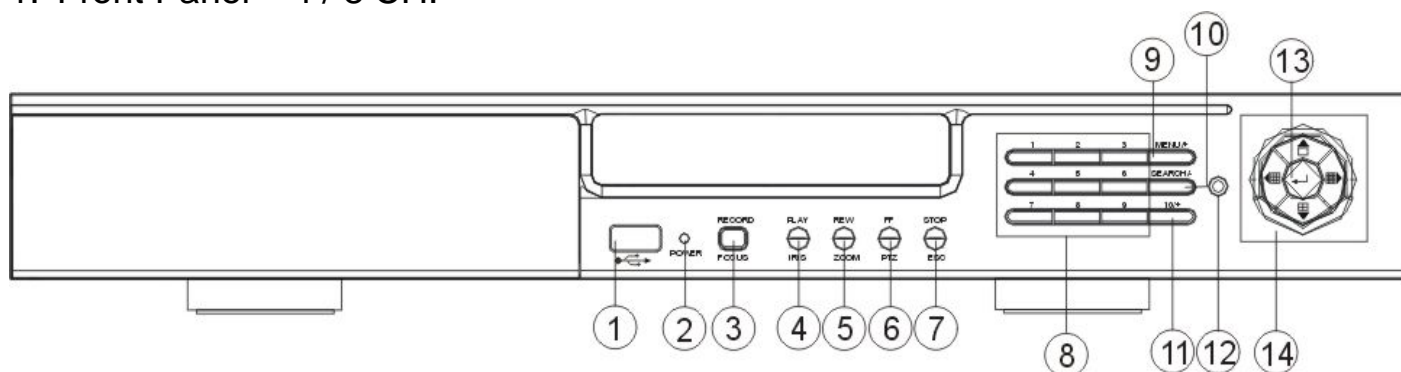
Item #	Label Name	Function
1	USB	Connect USB thumb drive or mouse
2	POWER	Power indicator
3	REC / FOCUS	Manual record / FOCUS adjustment(PTZ)
4	Play / IRIS	Enter Playback/ IRIS adjustment (PTZ)
5	REW / ZOOM	REW on playback mode / ZOOM adjustment (PTZ)
6	FF / P.T.Z.	FF on playback mode / Enter PTZ mode
7	STOP / ESC	STOP playback on playback mode / Exit MENU or jump back to previous page
8	Digital	Enter digital or select channel
9	MENU / +	Enter MENU page / increase value
10	SEARCH / -	Enter SEARCH page / decrease value
11	10+	To enter digital over 10 / Continuously press twice to have 10
12	IR receiver	Remote receiver
13	Enter	Enter
14	Split / Direction Key	Switch split / Move selected item

2. Front Panel – 16 CH.

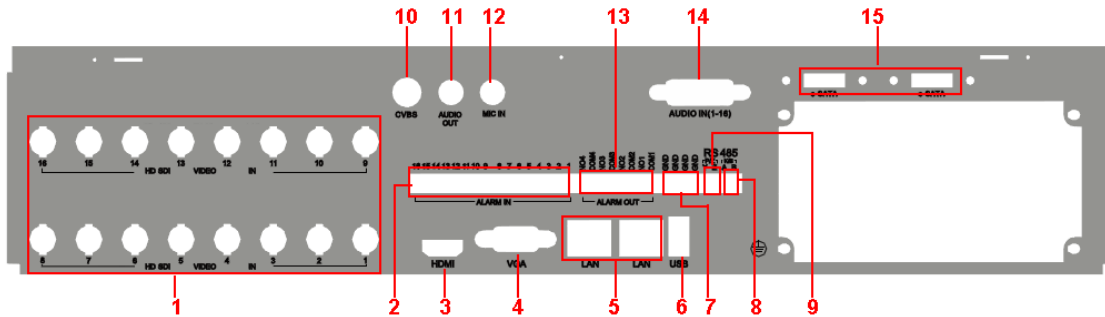| Item #		Label Name	Function
1	Power Switch	(⏻)	Power on/off
2	Work state indicator	REC	When recording, the light is blue
		HDD	When HDD is writing and reading , the light is blue
		Backup	When backup files and data, the light is blue
		Net	When access to network , the light is blue
		Play	When playing video, the light is blue
		Power	Power indicator, when connection , the light is blue
3	IR receiver		Remote receiver
4	Eject Button	(▲)	Eject DVD
5	Digital Button	1-9	Input number 1-9 or choose camera
		0/10+	Input number0, 10 and the above number together with other digital keys
6	Compound Button	P.T.Z./-	1. Enter PTZ mode in live 2. Decrease the value in setup
		AUDIO/+	1. Control voice 2. Increase the value in setup
7	Input button	Direction button	Change direction to select items
		Multi-screen	Change screen display mode like1/4/9/16 channel
		Enter button	Confirm selection
8	Function button	MENU	Enter menu in live
		INFO	Check recording data
		●	Record manually
		▶❙	Play/Pause
		◀◀	Rewind
		▶▶	Fast forward
		■	Exit
		BACKUP	Enter backup mode in live
		SEARCH	Enter search mode
9	Split / Direction Key		Switch split / Move selected item
10	USB	USB port	To connect external USB devices like USB flash, USB HDD for backup or update firmware;

3. Back Panel – 4 CH.
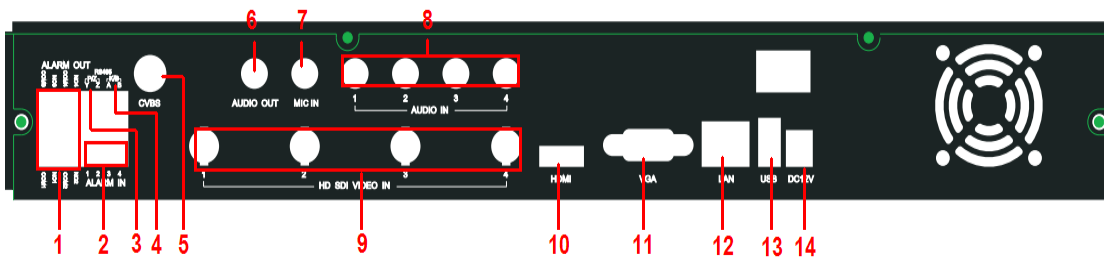
Item #	Label Name	Function
1	ALARM OUT	Alarm outputs; connect to external alarm
2	ALARM IN	Alarm inputs for connecting sensors
3	P/Z	Connect to speed dome
4	K/B	Connect to keyboard
5	CVBS	CVBS output
6	AUDIO OUT	Audio out, connect to sound box
7	MIC IN	Talk, connect to microphone
8	AUDIO IN	Audio inputs
9	HD SDI Video IN	HD SDI video inputs
10	HDMI port	Connect to high-definition display device
11	VGA port	VGA output, connect to monitor
12	LAN port	Network
13	USB port	Connect external USB devices like USB flash drive, HDD
14	Power Supply	12V DC

4. Back Panel – 8 CH.
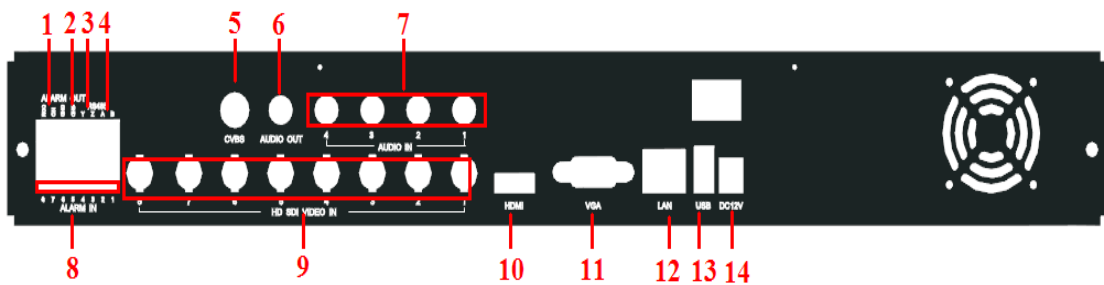
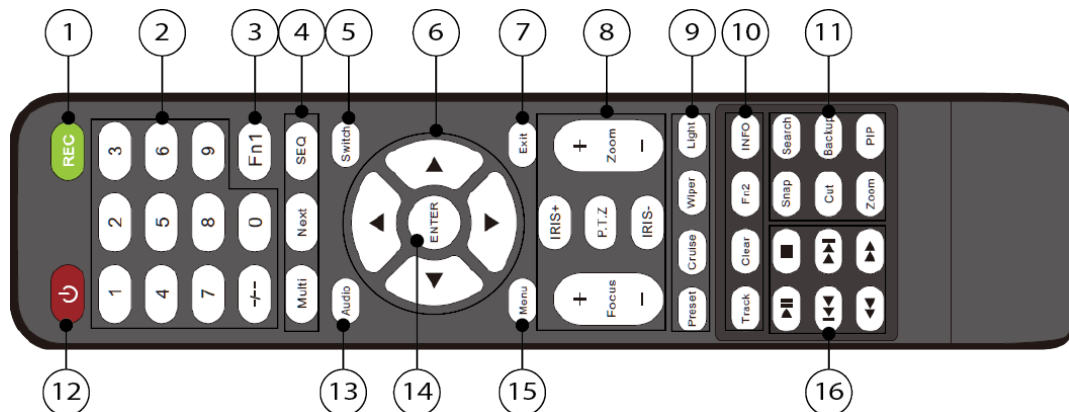| Item #	Label Name	Function
1	Alarm Out	1-ch relay output. Connect to external alarm.
2	GND	Grounding for Alarm In
3	Y/Z	Connect to speed dome, Y is TX+; Z is TX-
4	A/B	Connect to keyboard; A is TX +; B is TX-
5	CVBS Port	CVBS video signal output
6	Audio Out	Audio output, connect to the sound box
7	Audio In	4-ch audio inputs
8	Alarm In	Connect to external sensor1-8
9	HDSDI Video In	8-ch SDI video inputs
10	HDMI Port	Connect to high-definition display device
11	VGA port	VGA output, connect to monitor
12	LAN	Network port
13	USB Port	To connect external USB devices like USB flash, USB HDD for backup or update firmware; or connect to USB mouse
14	Power Supply	12V DC

5. Back Panel – 16 CH.

Item #	Label Name	Function
1	HD SD Video in	HD SDI video signal inputs.
2	Alarm in	Alarm Inputs for connecting sensors
3	HDMI port	Connect to high-definition display device
4	VGA port	VGA output, connect to monitor
5	LAN	Network port
6	USB port	To connect external USB devices like USB flash drive, USB HDD for backup or updating firmware.
7	GND	Grounding for Alarm In
8	K/B	Connect to keyboard. A is TX+, B is TX-.
9	P/Z	Connect to speed dome. Y is TX+, Z is TX-.
10	CVBS	CVBS output
11	Audio out	Audio output, connect to the sound box
12	MIC in	Talk. Connect to microphone
13	Alarm out	Relay Output. Connect to external alarm.
14	Audio in	Audio input
15	E-SATA	Connect to HDD for backup.

CONTROL OPTION

1. Remote Controller

◆ This remote control use AAA battery, the definition as following:

Item #	Label Name	Function
1	Record Button	To record manually
2	0-9, -/-- Digital Button	Input number or choose camera
3	Fn1 Button	Unavailable temporarily
4	Multi Button	To choose multi-screen display mode
	Next Button	To switch the live image

Item #	Label Name	Function
	SEQ	To enter into auto dwell mode
5	Switch	To switch the output between BNC and VGA
6	▲◀▼▶ Direction button	To move cursor in setup or pan/title PTZ
7	Exit Button	To exit the current interface
8	Focus/IRIS/Zoom/PTZ	To control PTZ camera. Move camera/zoom/IRIS/Focus
9	Preset Button	To enter into preset setting in PTZ mode
	Cruise Button	To enter into cruise setting in PTZ mode
	Wiper Button	To enable wiper function in PTZ mode
	Light Button	To enable light function in PTZ mode
10	Track Button	To enter into track setting in PTZ mode
	Clear Button	To return to the previous interface
	Fn2 Button	Unavailable temporarily
	Info Button	Get information about DVR like firmware version, HDD information
11	Snap Button	To take snapshots manually
	Search Button	To enter into search mode
	Cut Button	To set the start/end time for backup in playback mode
	Backup Button	To enter into backup mode
	Zoom Button	To zoom in the images
	PIP Button	To enter into picture in picture setting mode
12	Power Button	Switch off—to stop DVR. Use it before turning off the power
13	Audio	To enable audio output in live mode
14	Enter Button	To confirm the choice or setup
15	Menu Button	To enter into menu
16	▶⏸ ⏹ ⏮ ▶▶⏭ ◀◀ ▶▶	To control playback. Play/Pause/Stop/Previous-Section/ Next-Section/Rewind/Fast Forward

◆ Switch Remote Control ID
   1. Take remote control and point to DVR then continuously press **"8","8","ID(0-65535)","Enter".**
   2. Make change on DVR ID Setting,
      Go to **"SYSTEM MENU" > "DEVICE ID"** to make change
      ＊The ID must be the same on DVR.
      ＊For example: If ID=1 ,
      Please take remote control and point to DVR then press **8,8,1,Enter**.
      Then go to **"SYSTEM MENU" > "DEVICE ID"** change the **ID=1**

2.3 Mouse Control: **REQUIRED**
   ◆Connection: Recommend to connect the USB mouse to the back panel.
   ◆Mouse functions：
   1）Under LIVE mode：
      On every channel，you could double click the left button to switch FULL SCREEN and double click again to switch back to original split mode.
   On every channel，you could single click right button to popup MENU page.
   2）Under MENU page：
      Single click left button on any functional icon could enter the function page and Single click right button to exit function page or jump back to previous page.
      If you want to key in letter or digit, please move mouse to textbox then single click left button on textbox.
      The OSD keyboard will pop up as following,

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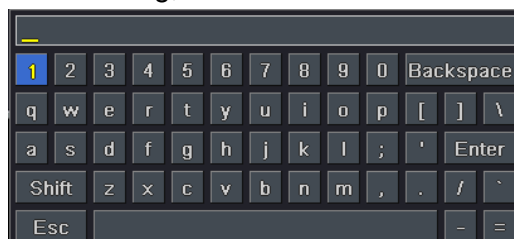
3）Under Backup mode：
　　Single click left button to select item, single click right button to jump back to previous page.
4）Under PTZ mode：
　　Single click left button to operate PTZ function, single click right button to jump back to previous page.

WIZARD SETUP

1. Wizard for language and time setup

Device Name: to set a name of DVR.
Language: to set a proper language.
Date Format: to set a proper display format of time.
Time Format: to set 24 hour or 12 hour format to display.
Time Zone: to set proper time zone (GMT-8: Los Angeles)
＊Caution: Please make sure to set time zone correctly.
To prevent getting different time stamps between local and remote site.
System Date: to set current system date time.
Please click "next" to next wizard process.

2. Wizard for Record setup

You can setup record frame rate and quality for each channel and change record resolution.

Adjustable parameter as following,
Resolution: CIF, HD1 or D1
Frame rate: *Number of channel.resolution@NTSC frame rate (PAL frame rate)*

4 CH　　4CIF@30(25)　　4HD1@30(25)　　4D1@30(25)

Quality: Highest/ Higher/ Normal/ Low/ Lower/ Lowest

If you want to change all channel setup at once, please click "All" then setup resolution, frame rate and quality at right hand side.
Please click "next" to next wizard process.

2.1 Motion Detection Recording:
Motion Detection Recording: Enter Main Menu → Setup → Alarm → Motion

Enable the Channels to turn on Motion Detect Record.
**Motion Schedule Default: is set to Full Time motion recording on all channels.
**If Schedule Motion Recording needs to be changed**:

To modify motion recording schedule click on the **pencil icon** located on the upper right of the screen, then click on desired days and times to schedule recording when motion trigger.

If same schedule apply to all channels. After highlighting desired squares apply settings to "**All" Channel**, click "**Copy"and** click Apply **to save setting. To Enable full time motion Recording**, highlight the entire **Blue Grid**.

2.2   Full Time Recording :

1. Press "**Record"** Button on the front panel of the DVR. Green box will appear on screen to confirm that manual recording is enabled. Press "**Record"** Button again to stop recording.

    OR Right click on main screen and select "**Record**".
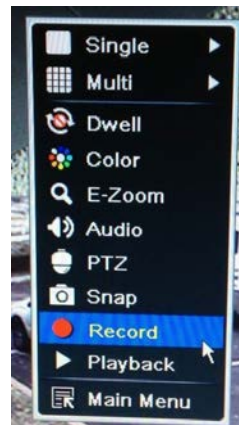
Note: Definition of Holding Time (on motion detect setting) :
After motion record is activated and there is **NO** activity within 10 seconds this will be handled as one event. Otherwise if there **IS** activity within that time frame it will continue recording.

Note: Change Daylight Savings on the first week of March and second week of November.

3. Wizard for HDD setup

You can format HDD by using "Format" function.

After HDD format completed, it will show "Normal" label on status.

＊Please make sure to backup all HDD data before you format the HDD.

NETWORK SETUP: STATIC IP ADDRESS & DDNS

Part 1. Static IP Address

1. Enter Main Menu screen by pressing the **MENU button** on the front panel of the DVR.
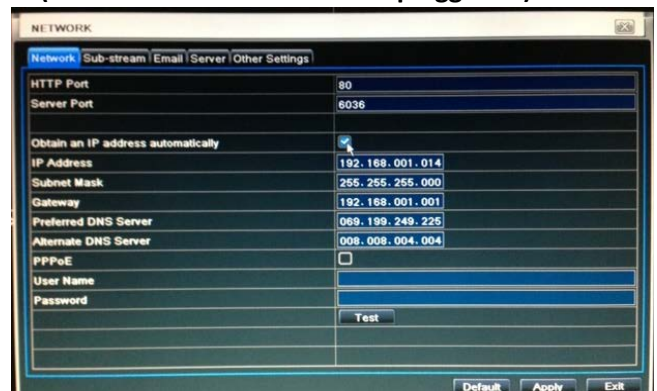   Then enter password "123456" and click Login

2. Select **Setup**.

3. Select **Network**.

4. Select "**Obtain an IP address automatically**," turn on this feature.
   Then Select **Apply** at the bottom of the screen to restart the network.
   This will generate a new IP Address.
   **(Make sure Ethernet Cable is plugged in)**

5. After **Apply**, the IP Address, Netmask, Gateway, and DNS addresses should automatically be generated.

   *For STA
   TIP: Write down HTTP Port, Server Port, and IP Address on a piece of paper for reference. You will need these numbers later in the installation.

   TIP: If you do not know a DNS address and the DVR did not populating those fields by itself, try 8.8.8.8 and 8.8.4.4. These are Google's public DNS addresses, and in addition to working well.

6. Uncheck "**Obtain an IP address automatically**" to turn off this feature and make IP Address stay the same. Then click **Apply**.
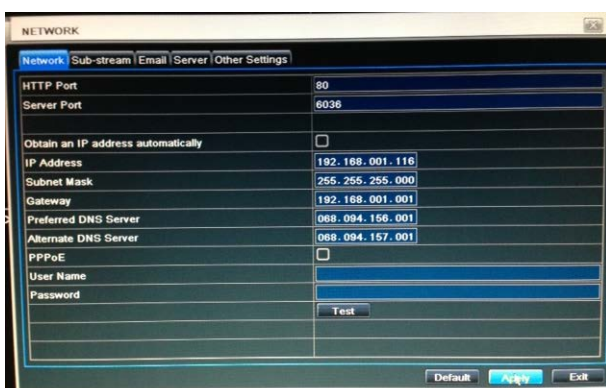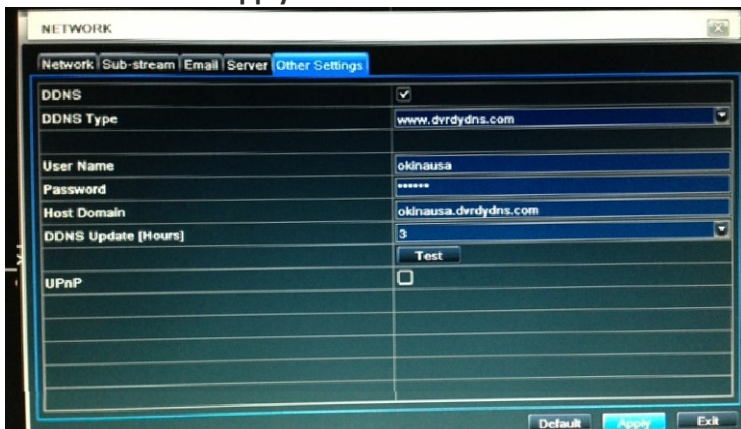

Continued For DDNS
Set up ➞ Part 2

Part 2. DDNS

1. **Continue Part 1**: Select "**Other Setting**" from the Tab bar and turn on DDNS.

2. Select DDNS Type and pick one website from the given field to register your Host Domain Name.

3. Enter User Name, Password, and Host Domain info that you registered for DDNS and click Test - After Test passes, then click **Apply** and **Exit**.

TIP: AutoDDNS do not need to register online. This can just register on DVR.

The DDNS URL will always be in the form of <hostname>.

If you are unable to access the DVR from the internet using the DDNS URL, but the IP works, please double check that you have the DDNS URL correctly typed

4. Finally, you will need to set port forwarding on your internet-facing router/gateway to direct port 80 traffic to the DVR. Also you will need to port forwarded your server port 6036 to stream video and audio as well. Locate the page in your router settings to set port forwarding (may also be labeled "firewall").

| HTTP Port: Port for IE connection. (Default is 80)	80
Server Port: Port for video and audio streaming. (Default is 6036)	6036
Incoming Port Range (advance)	80-80 (or alternative if port 80 is being used)
Forward Port (advance)	80, 6036
IP	Your DVR's internal IP, typically 192.168.x.x
Protocol (advanced)	TCP & UDP

TIP: Some consumer router/gateway devices may present the firewall settings as a list of services to forward. In this case, consult the manual for settings for creating a custom service and use the above values. For router/gateway devices provided by your ISP, please contact your ISP technical support.

DDNS HOSTING SERVER

Item #	DDNS Server Website	Item #	DDNS Server Website
1	www.dyndns.com	4	www.dvrdydns.com
2	www.meibu.com	5	www.mintdns.com
3	www.no-ip.com	6	www.autoddns.com

MOBILE APP: SUPER LIVE PRO
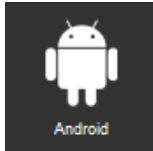
For technical specification, please refer to the User Manual.

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