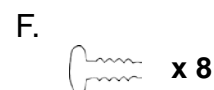
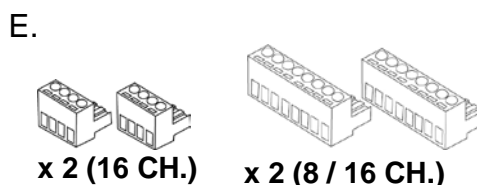
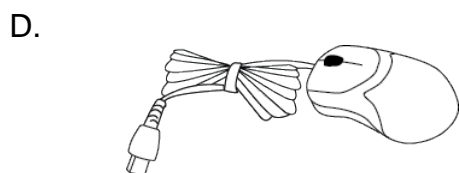
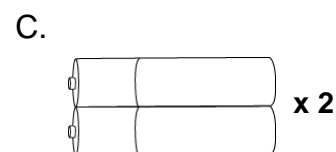
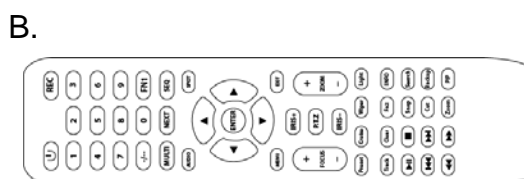
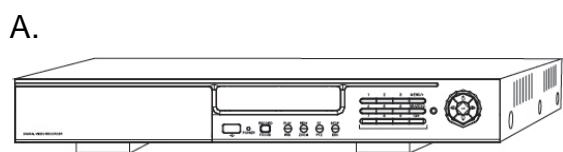


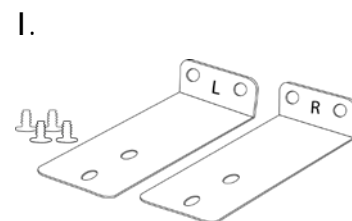
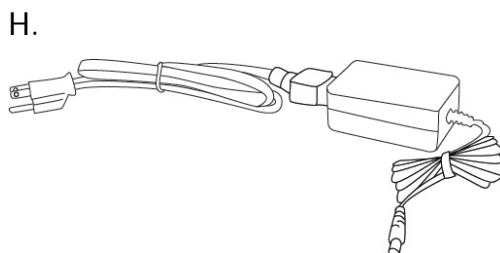
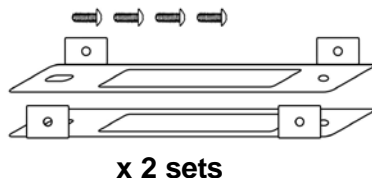
Full D1 Realtime H.264 DVR – 8 / 16 CH. Quick Setup Guide

PACKAGE CONTENTS

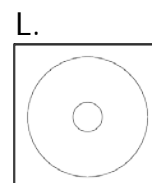
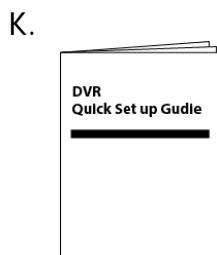
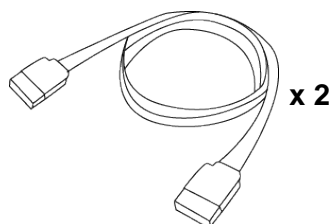
- A. One (1) DDR-08 / DDR-16 DVR
- B. One (1) Remote Controller
- C. Two (2) AAA Battery for Remote Controller
- D. One (1) USB Mouse
- E. Two (2) 8 Screw on Terminal Connector - DDR-08 / DDR-16
Two (2) 4 Screw on Terminal Connector - DDR-16
- F. Eight (8) Hard Drive Screws
- G. Two (2) sets Hard Drive Mounting Bracket set w/ screws
- H. One (1) 12V DC / 5Amp w/ Power Cord
- I. Two (2) Rack Mount Ear w/ Screws
- J. Two (2) SATA Cable Inside
- K. One (1) Quick Set up Guide Book
- L. One (1) User's Manual & CMS Software CD



G. Hard Drive Mounting Brackets



J. Inside the DVR



***Note: Any Return Must Include All Components.**

Missing Components will be charge.

We highly recommend installing a UPS Battery Backup System to avoid power failure restore damage to Hard Drive & motherboard.

MADE IN TAIWAN

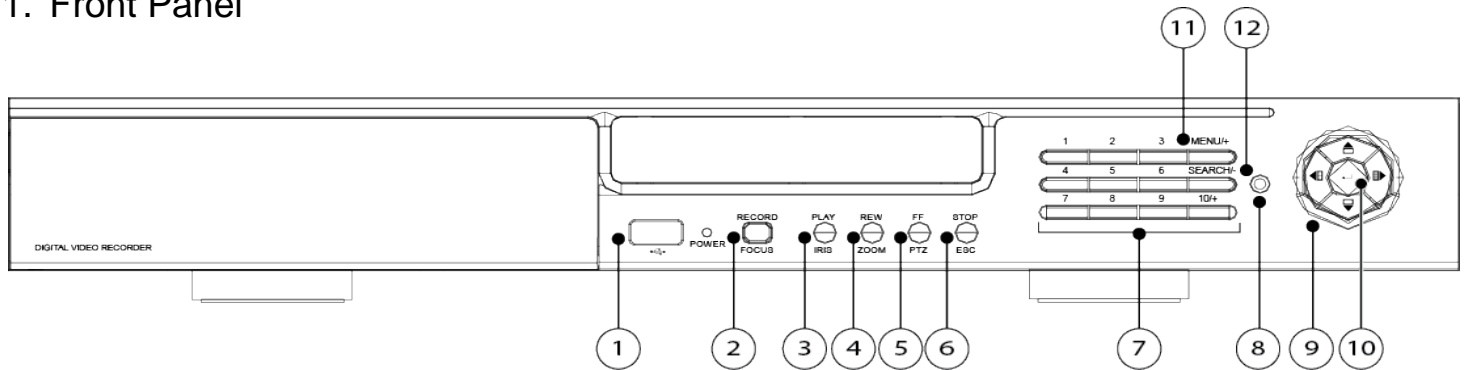


Please read this Quick Setup Guide before installation.

R201304-V10

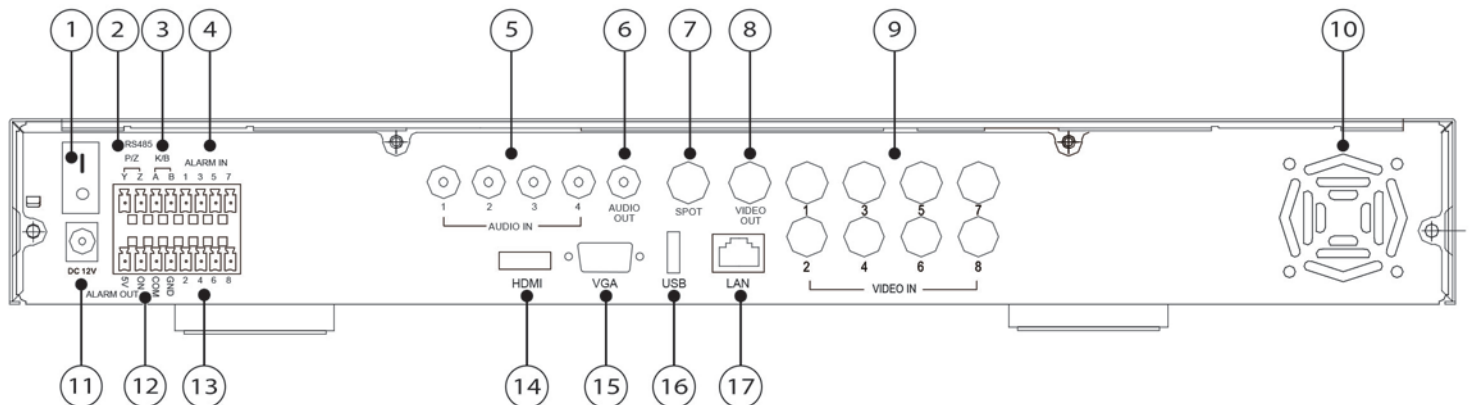
Panel Definition

1. Front Panel



Item #	Label Name	Function	
1	USB	Connect USB thumb drive or mouse	
2	REC / FOCUS	Manual record / focus adjustment(PTZ)	
3	PLAY / IRIS	Enter Playback/ iris adjustment (PTZ)	
4	REW / SPEED	Fast rewind on playback mode / speed adjustment (PTZ)	
5	FF / P.T.Z.	Fast forward on playback mode / enter PTZ mode	
6	STOP / ESC	Stop playback on playback mode / Exit menu or jump back to previous page	
7	Digital Button	1 - 9	Input number 1-9 or choose camera
		10/+	Input number 10 and the above number together with other digital
8	IR receiver	Remote receiver	
9	Split / Direction Key	Switch split / Move selected item	
10	Enter	Validate action	
11	MENU / +	Enter menu page / increase value	
12	SEARCH/-	Back up video / event	

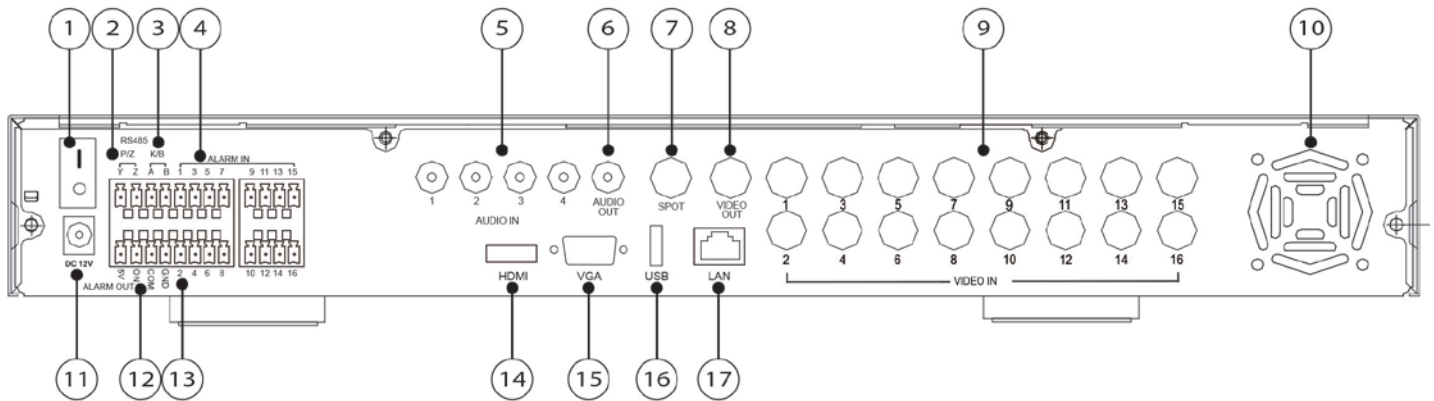
2. Back Panel – 8 CH.



Item #	Label Name	Function
1	POWER SWITCH	Power on/off
2	P/Z	Connect to speed dome
3	K/B Controller	Connect to keyboard Controller
4	ALARM IN	Connect to external sensor1-8
5	Audio in	4 CH Audio input
6	Audio out	Audio output, connect to the sound box
7	Spot out	Connect to monitor as an AUX output channel by channel. Only video display, no menu show
8	Video out	Connect to monitor
9	Video in	Video input channels from 1-8
10	FAN	For cooling the device
11	POWER INPUT	DC12V

Item #	Label Name	Function
12	+ 5V and GND	+5 V and Grounding
13	ALARM OUT	1-ch relay output. Connect to external alarm.
14	HDMI port	Connect to high-definition display device (optional)
15	VGA port	VGA output, connect to monitor
16	USB port	To connect external USB devices like USB flash, USB HDD or USB mouse. Recommend using for USB mouse
17	LAN	Network port

3. Back Panel – 16 CH.

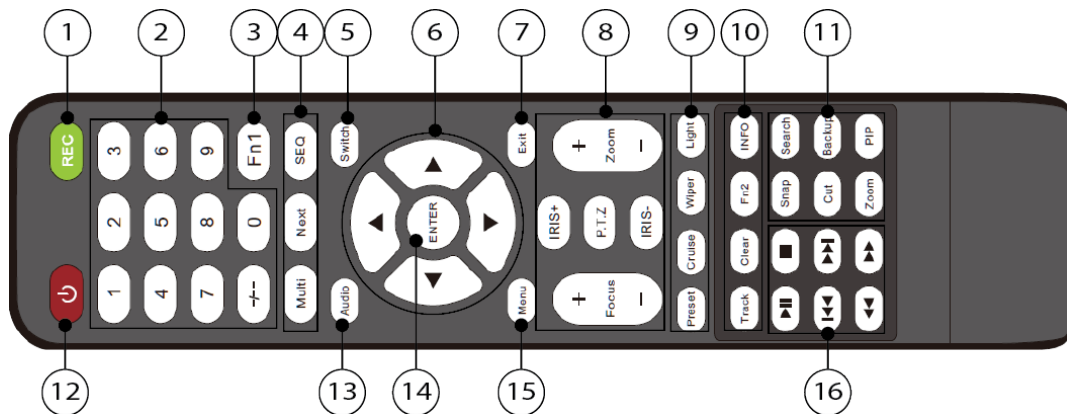


Item #	Label Name	Function
1	Power Switch	Power on/off
2	P/Z	Connect to speed dome
3	K/B Controller	Connect to keyboard Controller
4	ALARM IN	Connect to external sensor1-16
5	Audio in	4 CH Audio input
6	Audio out	Audio output, connect to the sound box
7	Spot out	Connect to monitor as an AUX output channel by channel. Only video display, no menu show
8	Video out	Connect to monitor
9	Video in	Video input channels from 1-16
10	FAN	For cooling the device
11	POWER INPUT	DC12V
12	+ 5V and GND	+5 V and Grounding
13	ALARM OUT	1-ch relay output. Connect to external alarm.
14	HDMI port	Connect to high-definition display device (optional)
15	VGA port	VGA output, connect to monitor
16	USB port	To connect external USB devices like USB flash, USB HDD or USB mouse. Recommend using for USB mouse
17	LAN	Network port

Control Option

1. Remote Controller

◆ This remote control uses 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
	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 :

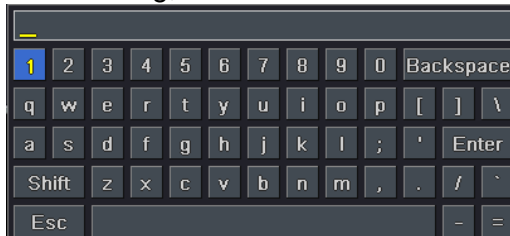
On every channel, you could double click the left button to switch FULL SCREEN and double click again to switch back to original split mode.

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,



3) Under Backup mode:

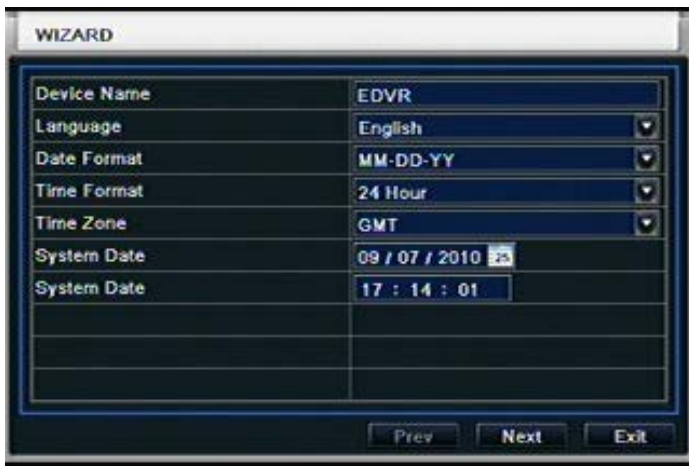
Single click left button to select item, single click right button to jump back to previous page.

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:



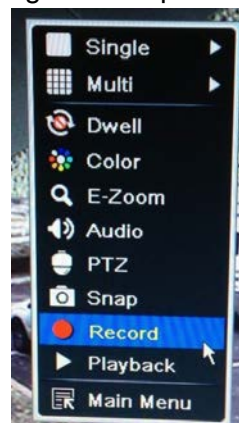
To modify motion recording schedule click on the **pencil icon** located on the upper right of the screen, then click on desired days and times to schedule recording when motion trigger.

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. All HDD data will be erased after HDD formatted. Please click “Finish” to get into login page.

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

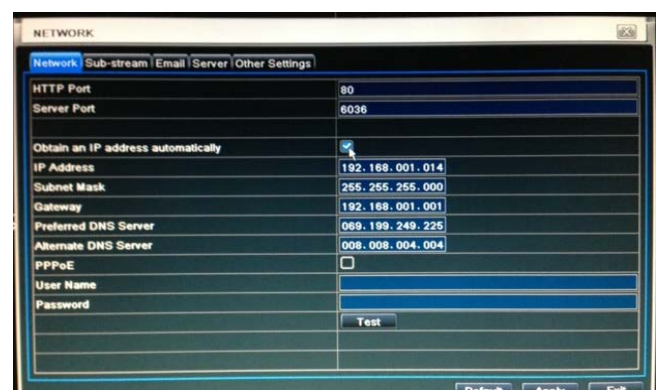


2. Select **Setup**.



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**.

The screenshot shows the NETWORK configuration window with the following settings:

HTTP Port	80
Server Port	6036
Obtain an IP address automatically	<input type="checkbox"/>
IP Address	192.168.001.116
Subnet Mask	255.255.255.000
Gateway	192.168.001.001
Preferred DNS Server	088.094.156.001
Alternate DNS Server	088.094.157.001
PPPoE	<input type="checkbox"/>
User Name	
Password	

Buttons at the bottom: Default, Apply, Exit.

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.

The screenshot shows the NETWORK configuration window with the 'Other Settings' tab selected. The DDNS section is expanded and checked.

DDNS	<input checked="" type="checkbox"/>
DDNS Type	www.dvrdydns.com
User Name	
Password	
Host Domain	
DDNS Update [Hours]	3
UPnP	<input type="checkbox"/>

Buttons at the bottom: Default, Apply, Exit.

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

TIP: We recommend using www.dvrdydns.com, www.dynddns.us, and www.no-ip.com because they are free.

3. Using your Internet Browser, go to that website you selected and **REGISTER** to obtain User Name, Password, and Host Domain information to setup DDNS for your DVR.

TIP: Write down Name, Password, and Host Domain information for reference to use later in installation.

Step 1

Welcome to DvrDydns

Enter your user name and password. Choose logon to continue.

Enter your user name and password below.

USER LOGON	
USER NAME:	<input type="text"/>
PASSWORD:	<input type="password"/>
Password is case sensitive.	
<input type="button" value="Logon"/> <input type="button" value="Reset"/>	

[Forgot your password?](#)

Step 2

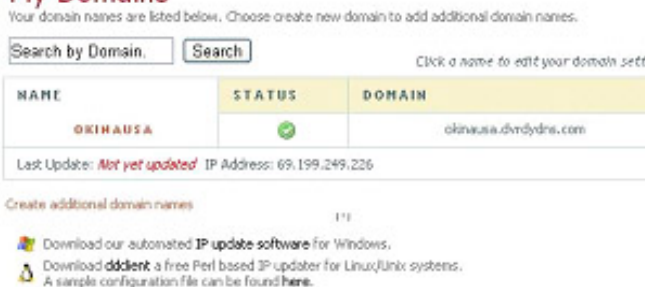
Welcome to DvrDydns

Create a user account or choose existing users below to begin.

DDNS account creation.

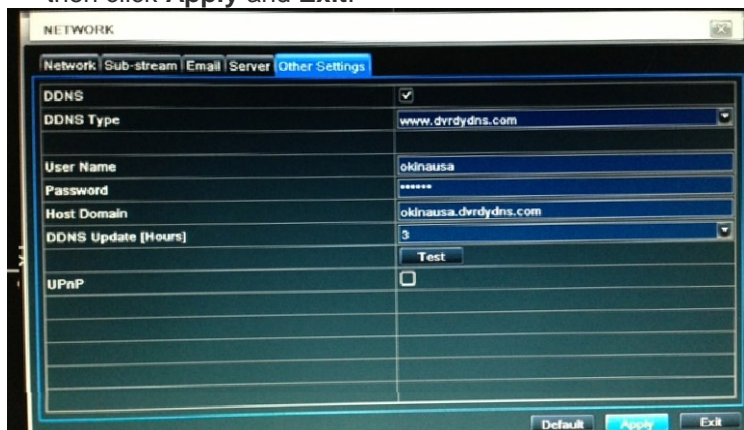
NEW USER REGISTRATION	
USER NAME	<input type="text" value="okinausa"/>
PASSWORD	<input type="password" value="*****"/>
PASSWORD CONFIRM	<input type="password" value="*****"/>
FIRST NAME	<input type="text" value="testing"/>
LAST NAME	<input type="text" value="testing"/>
SECURITY QUESTION	<input type="text" value="My first phone number."/>
ANSWER	<input type="text" value="testing"/>
CONFIRM YOU'RE HUMAN	<div style="border: 1px solid black; padding: 2px; display: inline-block;">772343</div> New Captcha <input type="text" value="772343"/> Enter the text you see above
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

My Domains



Tip: When using other DDNS websites you may be required to enter your external IP Address to register your Host Domain Name.
 - To find your external IP Address use this website:
<http://www.whatsmyip.net>

- Now enter User Name, Password, and Host Domain that you wrote down earlier and click Test - After Test passes, then click **Apply** and **Exit**.



TIP: The DDNS URL will always be in the form of <hostname>.dvrddns.com

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

- 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 forward 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

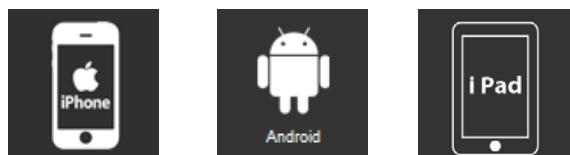
TIP: Some consumer router/gateway devices may present the firewall settings as a list of services to forward. In this case, consult the manual for settings for creating a custom service and use the above values. For router/gateway devices provided by your ISP, please contact your ISP technical support.

DDNS Hosting Server

Item #	DDNS Server Website	Notes
1	www.dvrddns.com	Recommended, Free Log In or Create a FREE account to start monitoring this domain name.
2	www.no-ip.com	Recommended, Free for entry level service . Enhanced Domain membership for more features is available but is charged. Visit website for more information.
3	www.dyndns.us	Recommended, Free Log In or Create a FREE account to start monitoring this domain name.
4	www.meibu.com	It's a Chinese website, Free for second- level domain names, but the website will verify your information.
5	www.dyndns.com	\$15/year.

* Note: For further assistance regarding technical support and more details, please visit DDNS Server Website.

Mobile App: Super Live Pro



*Please check specification sheet on the User's Manual.

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

Additional DVR Option



**Full D1 Realtime H.264 DVR – 4CH.
DDR-04**



**HD SDI H.264 DVR – 4CH.
HDRS-04-1U**



**Full D1 Realtime H.264 DVR – 8 / 16 CH.
DDR-08
DDR-16**



**HD SDI H.264 DVR – 8 / 16 CH.
HDRS-08-2U
HDRS-16-2U**



**Hybrid H.264 DVR – 4CH. HD & 4 CH. Analog
HDRH-44-2U**

For more information please visit
www.mydvrremote.com