www.hongdian.com



# Application Guide MDVR-iScanClient-Register



### Contents

Contents	2
Revision History	2
1 Overview	3
2 Description	3
2.1 Public IP Environment	3
2.2 Private IP Environment	8
2.2.1 Ethernet Connection of MDVR	8
2.2.2 WiFi Connection of MDVR	9

# **Revision History**

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	MDVR,	2017.09.21	First Release
	iScanClient5.2		

# **1** Overview

The iScan platform is for remote monitoring and managing MDVR (Mobile Digital Video Recoder) series products designed for Internet of Vehicle application. Hongdian MDVR Vehicle Management System contains iScan Platform + MDVR product for the customers.

This document shows how to how to quick register the MDVR on the iScan Platform. For preparation, you should have the MDVR product such as H3526, H3504 and etc, have installed the iScanClient on your PC, and have an available account to login the iScanClient.

# **2** Description

Here we take an example for registering the H3526 mdvr to the iScan Platform.

# 2.1 Public IP Environment

If your iScanServer is got the public IP, once the MDVR access the Internet well, it be can registered to the platform. This is suitable for actual operating condition.

Here we take the celluar network connection as the example, that is, the MDVR is inserted the SIM card to access the Internet.

- Insert the SIM card, connect your PC and MDVR with Ethernet cable. Make sure yor PC ip is in the same segment of the MDVR, so as to access the MDVR web UI, login the MDVR web UI in IE browser, default URL is: 192.168.8.1, also make sure the SIM card network is well. (Please view the MDVR user manual if you don't know how to config).
- **2.** Enter the page as below to input the ID and number of the MDVR. Please write a different number to differ from other device.

Application Gu	ide - MDVR-iScanCl	ient-Register				
	ongalari con	iccury mac				
Device Status	System Info	Video Play	Video Mgmt	Video Setting	Device Setting	Network Set
Basic Setting	Server Setting	Extend Settin	g			
Basic Setti	ng					
Basic Setting						
Device ID	)	0	13800000002	Length 12		
Province	ID	1	3			
City ID		0	755			
Device M	odel	Н	3504			
Vehicle C	olor	1				
License F	late Number	2	2345678			
		Save	Cancel	Refresh		

**3.** Enter your iScanServer IP as below. Wherein, please input your own "Server Address", the port is mostly 52473 in default.

Device Sta	tus System Info	Video Play	Video Mgmt	Video Setting	Device Setting	Network Settin
Basic Setti	ng Server Setting	Extend Settin	g			
Server	Setting					
Server Grou	ip1 Settings					
Serve	er Address	4	7.88.148.230			
Back	up Server Address	4	7.88.148.230			
Serve	er TCP Port	5	2473			
Serve	er UDP Port	0				
Server Grou	ıp2 Settings					
		(	🖲 Enable 🔾	Disable		
Serve	er Address	1	20.26.98.110			
Back	up Server Address	1	20.26.98.110			
Serve	er TCP Port	6	608			
Serve	er UDP Port	0				
		Save	Cancel	Refresh		

4. Open the iScanClient on your PC, check the network configuration at your first use.

Control Video Suveillan Password: User: admin Password: Login Cancel Advanced Config Keep password Login Cancel Advanced Config System Keep password Login Cancel Advanced Config Video Server: System Video Server: ISP1 Video Server: Host: ISP1 Video Server: Host: 47.88.148.230 Port: 52460 Ok Cancel Amply	Application Guide - MDV	VR-iScanClient-Register
Control Video Surveillan Password: Password: Login Cancel Login Cancel Advanced Config Login Cancel Advanced Config Login Cancel Advanced Config Systen Ceneral Map Alarm Directory Network LogoSet Metwork LogoSet Mathematical System Center Management: LogoSet Most: 47.88.148.230 Port: 52460 Ok Cancel Amply		
Video   Surveillan     Password:     Password:     Ceneral     Map   Alarm   Directory   Network   Directory   Network   LogoSet     Not:   47.88.148.230   Port:   52460     Ok     Cancel	Control	iScan5.1.0
System     General   Map   Alarm   Directory   Network   LogoSet     Motion (Center Management:   Host:   47.88.148.230   Port:   52460   Ok Cancel Amly	Video Surveillan	User: admin Password: •••••• Keep password Login Cancel
Ceneral Map Alarm Directory Network LogoSet Work: Host: 47.88.148.230 Port: 52460 Ok Cancel Amly		Advanced Config
<pre>System Source Config" to enter below figure. System  General Map Alarm Directory Network LogoSet Udeo Server: Host: ISP1 Center Management: Host: 47.88.148.230 Port: 52460 Ok Cancel Amly</pre>		Advanced Contig
System  General Map Alarm Directory Network LogoSet  Video Server: Host: 47.88.148.230 Port: 52460  Ok Cancel Amly	Click "Advance Config	g" to enter below figure
General       Map         Alarm       Directory         Directory       Type: ISP1 →         Network       Center Management:         LogoSet       Host: 47.88.148.230         Port: 52460       Port: 52460	System	
General Map Alarm Directory Network LogoSet ✓ Network Center Management: Host: 47.88.148.230 Port: 52460 Ok Cancel Annly		
Map Alarm Directory Network LogoSet Host: 47.88.148.230 Port: 52460 Ok Cancel Amly	General	◆ Network
Alarm Directory Network LogoSet Host: 47.88.148.230 Port: 52460 Ok Cancel Apply	Map	Video Server:
Directory Network LogoSet Host: 47.88.148.230 Port: 52460 Ok Cancel Annly	Alarm	
Network       Center Management:         LogoSet       Host: 47.88.148.230         Port: 52460       Port: 52460	Directory	Type: ISP1 -
LogoSet Host: 47.88.148.230 Port: 52460 Ok Cancel Annly	Network	Cent <mark>er Management:</mark>
Port: 52460	LogoSet	Host. 47 88 148 230
Port: 52460		105(. 41.00.140.200
		Port: 52460
Ok Cancel Annly		
on ounder hppry		Ok Cancel Apply

Then login

#### Application Guide - MDVR-iScanClient-Register

iScan5.1.0	×
User:	admin
Password:	••••••
	Keep password
	Login Cancel Advanced Config

#### 5. After login the iScanClient, add the MDVR info as below.

iScan5.1.0	🕜 Monitor 🛛 GPS 🜔 Video 📢 Statistic 🔤 Pictures 🔛 Manage
Manage	Vehicle manager
Vehicle manager     A Ore     Gre     Vehicle     To re     Driver	Add       X         Plate No.       Curroter information         Vabor       Vabor
+ Alarm manager	sky002     iverail     isensions:         Correal         Correal
+ System manager	OK Cancel

Make sure the two values are the same as below.

Device Status	System Info	Video Play	Video Mamt	Video Settino	Device Setting	Network S
Jerree Status	System mo	Theoring	video ingine	Place Setting		Hethork c
Basic Setting	Server Setting	Extend Setting	)			
Basic Settin	ng					
sic Setting—						
Device ID	)	01	380000002	Length 12		
Province	ID	13	}			
City ID		07	/55			
Device M	odel	H	3504			
Vehicle C	olor	1				
License P	late Number	22	345678			
		Save	Cancel	Refresh		
		Curto	Cancer			
		Save	Cancel	Refresh		



By the way, see the "ONL" LED of the MDVR panel, it should be keep on if online well.

And also check the web config page of the MDVR, see the "Center online Status", it should showing "Online" but not show "Registering" or others.

# 2.2 Private IP Environment

If your iScanServer is just got a private IP, the MDVR and iScanClient should be in the same segment of the iScanServer. Wherein, the MDVR maynot be registered via SIM network (3G/4G), it should access LAN by Ethernet or WiFi connection to register the local iScan platform.

This case is just for testing, and not for the actual operating condition.

Make sure your windows server for iScanServer, PC for ScanClient, and MDVR are connecting to the same gateway/router, and they can ping each other properly.

### 2.2.1 Ethernet Connection of MDVR

1. Connect the MDVR to your PC, and input the static IP in the Ethernet setting of the MDVR WEB UI, as below. Make sure fill the values as below:

IP: LAN IP of this MDVR, need to avoid conflicts with other host IP in LAN

MASK: gateway mask, usually is 255.255.255.0

Gateway: your actual gateway IP

DNS1~DNS3: add the available DNS address.

Devi	e Status	System Info	Video Play	Vide	eo Mgmt	Video Setti	ing	Device Setting	Network Setting
Mode	em Setting	WiFi Setting	Ethernet sett	ing	Route Set	ting			
Eth	ernet Set	ting							
Ethern	et Setting								Et
	IP		1	92.16	8.8.100				PI
	MASK		2	55.25	5.255.0				pa
	Gateway		1	92.16	8.8.1				
	DNS 1		1	92.16	8.8.1				
	DNS 2								
	DNS 3								
			Save	(	Cancel	Refresh			

- **2.** Disconnect MDVR from your PC, and both of PC and MDVR are connect to your gateway, so that they are in the LAN, and are able to ping each other.
- **3.** Open IE browser on your PC, input the new Eth IP of the MDVR to access WEB GUI again, and enter page of "Router Settings", select "eth0" refer to Ethernet connection.

Application Guide - MD\/R-iS	can Client-Regis	ter				
Appreciation Guide MB M 15						
/ <b>192.168.8.100</b> /routeconfig.h	tml	\$	0 - Ç	🙋 Rocview I	OVS	× 🙋 Th
(2) ខ Rocview DVS 🚺 建	议网站 🔻 縸	図页快讯库▼	峇 百度	▶ 建议网站	▼ Ø 网页快讯	Ri≢ ▼
<b>.</b>	2 cb ®					
	<b>5.92</b> Ongdian Com	necting Machine	Co	ntrol Pane		
Device Status	System Info	Video Play Vid	deo Mgmt	Video Setting	Device Setting	Network Settin
Modem Setting	WiFi Setting	Ethernet setting	Route Set	ting		
Route Settin	g					
Default Route Se	tting					
Route Mod	e	0 A	uto 🖲 Man	u		H S
Gateway T	уре	eth0	~			g
NAT Settings						

4. Next registration steps are similar to the steps in "public IP environment" of above.

## 2.2.2 WiFi Connection of MDVR

1. You gateway router is as the WiFi AP for MDVR accessing, make sure you have open the WiFi AP.

**2.** Connect the MDVR to your PC, input the SSID and password of the WiFi AP in the MDVR WEB UI, as below. If there is a "Scan" button, click it to search the available AP

C 0 5	☆ [	192.16	8.8.1/v	vlan_ba	se.cgi				
办公自动化	🐰 W	edora Clo	oud						
<b>.</b>									
		Conn	ecting N	lachine	Control	Panel			
Network	Арр	lications	VPN	Forward	Security	System	IO Manager	Status	Video
LAN	WLAN	Modem	Netwo	ork Type	DHCP Server				
WLA	AN Status	3		En	able Disable				
Basic Setti	ngs –								
SSI	D			ad	min	* Max I	ength is 32		
Wire	eless Mo	de		st	ation 🔽 Scan				
Net	work Mod	ie		bg	in 💌				
IP D	istributio	n		dh	тср 💌				

3. Then complete the "Encryption Settings" according to your gateway AP, wherein the "interval" value can be arbitrary.

Applica	ation Guide	e - MDVR-iSc	anClient	-Register					
		Conn	ecting I	Machine .	Control	ranei			
Network	<b>K</b> Appli	ications	VPN	Forward	Security	System	IO Manager	Status	Vie
LAN	WLAN	Modem	Netw	ork Type	DHCP Server				
WL	AN Status			Er	able Disable				
Dacio Sott	inge								
SS	ID			A	гт	* Max	enoth is 32		
Wir	reless Mod	le		s	tation 💌 Scan				
Ne	twork Mode	e		b	gn 💌				
IP I	Distributior	ı		d	hcp 💌				
Encryption	Settings								
Se	curity Mode	)		w	pa2 🔻				
Alg	orithms			а	es 💌				
WF	PA Shared I	Key		—— <b>—</b> н	ello123	* Leng	th is between 8 to	0 63	
WF	PA Renewa	I Interval			23	* 120-	86400 s		
				Sa	ve Refresh	_			
Tips:									
WLAN S	tatus: Er	able							
SSID: Yo	ur gatev	vay AP SSI	D						
Wireless	Mode:	station		Dura					
WPA Sha	are Key:	your gate	ewayA	P passwo	ord				

**4.** Also check the "Network Type" of the web UI, select "eth1" type, which refer to WiFi connection; or select "atuo" as the type, the MDVR can auto choose the available type.

Network	Applications	VPN	Forward	Security	System	IO Manager	Status	Vide	
LAN V	WLAN Modem Network Typ		ork Type	DHCP Server					
Default Route			eth	eth1					
DNS Type			inte	interface 💌					
Interface Name			eth	eth1 💌					
Save Refresh									

Next registration steps are similar to the steps in "public IP environment" of above.





# Contact us

**Q** F14 - F16, Tower A, Building 14, No.12, Ganli 6th Road, Longgang District, Shenzhen 518112, China.

+86-755-88864288-5

+86-755-83404677

**f** hongdianchina

I www.hongdian.com

➡ sales@hongdian.com

➔ Hongdian\_China