Central Management Software

CMS for IP Camera



Version 1.0

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$\underline{\textbf{m}}$ 、 How to add and preview quickly

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1.1 System requirements

Hardware:

CPU: Dual-core CPU and above

RAM: 2GB and above

Graphics Card: the graphics RAM 512MB and above

Software:

OS: Windows XP, Windows Server 2003, Windows Server 2008, Windows Vista, Windows 7, Windows 8.

1.2 CMS and IP Camera data table

The Audio and Video analysis and display capabilities of CMS will be different in different hardware configuration,

The following data table is for reference only.

Operation Environment	CPU Intel dual the nuclear 2.8GHZ and more, 1GB RAM				
Num		Camera sets(units)		CPU Occupancy	
	Video	Play	Total	Rate (%)	
1	0	10(Mega Pixel)	10	85-99	
2	10	10	10	89-99	

Num: Video=0 No Video, just play.

Note: 10 IP Cameras just for a computer best; CPU occupancy rate is preferably not more than 85%

\equiv \checkmark Install and uninstall

2.1 CMS Install

Tips:

- Please make sure your PC computer is not installed MYSQL; if so, uninstall it.
- Please make sure your PC computer is not installed the same CMS; if so, uninstall CMS.
- Please check the port of PC computer, if CMS cannot be installing.
- A. Double-click on "CMS6 V6.0.1"

suitable installation location of the CMS and click "next".

CLS Basic Edition - Instal	llShield Vizard	$\overline{\mathbf{X}}$
Choose Destination Location Select folder where setup will install file:	\$.	
	Install CMS Basic Edition to: C:\Program Files\CMS Basic Edition	Change
InstallShield	< <u>₿</u> ack	Cancel

B. When the PC computer displays the following window, please click "finish".



2.2 CMS Uninstall

Tips:

- Please back up the database and cfg files before you uninstall the CMS.
- > PC computer will restart, after you uninstall the CMS.
- A. Click "uninstall CMS" CMS Center Server CMS Culter Server CMS Free Edition
 - , the desktop will display the

window. Choose "Remove" and click "next".



B. Choose "Y", CMS will be uninstall from your computer. Choose "N", cancel.



 \equiv 、 CMS Basic Features

Α.

3.1 CMS Login and Quit

- смз
- Click "CMS-CU" Disappear the window. For the first time, you can click on CMS-CU
- the "Login" button



Server: 127.0.0.1	(default)
Port: 8000	(default)
User Name: root	(default)
Password: 123456	(default)
Save password:	CMS can save the password
Auto login:	CMS can auto login CMS

B. Click on "Quit", you will close the CMS.

Preview Device Config S	Storage Config	Replay System Config Linkage User Manag	ge Electronic Map Log Query	
2.	4.	CMS	CMS	
Device Video Group Preview operation		CMS	CMS	
Video Parameters	Narm time 1014/4/12 15(32) 15	Events by Alarm DeviceSPCamera_192.168.0.202 Online!	Alarm status	

3.2 CMS Interface Introduction

3.2.1 The main interface introduction

1-The menu bar:

- Preview: preview the real-time video of IP Camera
- Device Config: add,manage,configure the IP Camera
- Storage Config: set the video mode of the IP Camera
- Replay: playback the video of the IP Camera
- System Config: basic settings of the CMS
- Linkage: connect with other platforms
- User Manage: manage user groups and permissions
- Electronic Map: the position of IP Camera combined with electronic maps to simulate the deployment
- Log Query: including the operation log and alarm log

2-Device Manager List

- Display devices
- Display the group of devices

3-Operating area

- Preview operation: close the current preview/close the all previews/voice switch/ full screen/cancel the alarm/switch the screen/ Carousel switch/ Parameter settings/ screenshots from left to right in turn.
- Image set: brightness/ contrast
- > PTZ control: control up and down all around
- PTZ expansion set: route and preset settings

4-Realtime preview

- > Channel: display the video of online camera
- Extended settings: close the current preview/close the all previews/main stream/sub stream and so on.
- 5- Alarm information list
- Show the latest alarm information

3.2.2 Device configure

	V0.0.1-2	0140109	Y Y		r r					
监控 设备管理 录像设	安置 录	像回放系统设	置 联动配置 用)	户管理 电	子地图 日志查询	矩阵电视地				
<u> </u> 查找	添加	修改 删除 【	\$2置诊断对时	1.25.4644	2.控件栏	法结合	新大应被	是白油加加油	D D+99/640	
ON 添加区域	1	存储服务器	CMS-SS	127.0.0.1	10000	trië	管理由心	2014-3-6 11:0:32		
NV 修改区域	2	TPC/NVR 系列设备	NVR 1516 192, 168, 0, 149	192, 168, 0, 149	5050	左接	管理中心	2014-3-6 11:10:4		
SIF 删除区域	3	TDC INVD 实为II公本	SIPCamera 192 168 0 12	192 168 0 12	5050	±14	管理由い	2014-3-6 11:4:17	— —	
SIF SIF	4	TDC AND 采和设备	SIPCamera 192 168 1	197 168 1 180	5050	115A 左iš	管理由い	2014-3-6 11:4:17		
9 11. 移加波軍	5	TDC AND 采和设备	SIPCamera 188 188 1 48	188 188 1 48	5050	113A 左訴	管理由から研究由かった。	2014-3-6 11:4:21		
▶ 刷新通道	6	TPC/NVR 系列设备	SIPCamera 192, 168, 1	192, 168, 1, 184	5050	産経	管理由心研究中心二級	2014-3-6 11:4:17		
SIPCamera 192 168 1 184	7	TPC/NVR 系列设备	SIPCamera 188, 188, 1, 42	188, 188, 1, 42	5050	trif	管理由心研究中心二級	2014-3-6 11:4:20		
SIPCamera 188, 188, 1.42	8	TPC/NVR 系列设备	SIPCamera 188, 188, 1, 15	188, 188, 1, 15	5050	左接	管理由心研究中心二級	2014-3-6 11:4:19		
SIPCamera 188, 188, 1, 15	9	TPC/NVR 系列设备	SIPCamera 192, 168, 1, 12	192, 168, 1, 12	5050	左接	管理由心研究中心二級	2014-3-6 11:4:20		
SIPCamera 192.168.1.12	10	TPC/NVR 系列设备	SIPCamera 188, 188, 1, 37	188, 188, 1, 37	5050	左接	管理由心研究中心二級	2014-3-6 11:4:20		
SIPCamera_188.188.1.37	1	TPC/NVR 系列设备	SIPCamera 188, 188, 1, 34	188, 188, 1, 34	5050	左接	管理由心研究中心二級	2014-3-6 11:4:19		
🛶 SIPCamera_188. 188. 1.34	2	TPC/NVR 系列设备	SIPCamera 188, 188, 1, 54	188, 188, 1, 54	5050	左接	管理由心理会由心二級	2014-3-6 11:4:19		
🛶 SIPCamera_188.188.1.54	3	TDC AND 采和设备	SIPCamera 188 188 1 25	188 188 1 25	5050	113,5	管理由から研究中心二級	2014-3-6 11:4:20		
🕬 🐳 SIPCamera_188.188.1.25	4	TDC AND 采和设备	SIPCamera 188 188 1 43	188 188 1 43	5050	113,5	管理由から研究中心二級	2014-3-6 11:4:21		
🛛 🧼 SIPCamera_188. 188. 1.43	5	TDC AND 采和设备	SIPCamera 188 188 1 45	188 188 1 45	5050	113,5	管理由から研究中心二級	2014-3-6 11:4:19		
🕬 💫 SIPCamera_188.188.1.45	6	TDC AND 采和设备	SIPCamera 188 188 1 50	188 188 1 50	5050	113,5	管理由から研究中心二級	2014-3-6 11:4:19		_
🛛 🧼 SIPCamera_188. 188. 1.50	7	TDC AND 采和设备	SIPCamera 188 188 1 51	188 188 1 51	5050	11355	管理由から研究中心二後	2014-3-6 11:4:20		-2 i
8-👽 SIPCamera_188.188.1.51		IDC AND 安石山市内	SIPCamora 102 168 1 52	100.100.1.01	5050	1123,6	管理中心 前次中心二波	2014 2 6 11/4/20		,
🛛 🧼 SIPCamera_192. 168. 1.52		Inchang変列改画	SIPCamera_192.100.1.32	102 168 1 172	5050	1123%	「「「「「「「「「」」」「「「」」「「」」「「」」「「」」「「」」「「」」「	2014-3-0 11.4.20		
9- SIPCamera_192. 168. 1. 173		Inchang変列改画	SIPCamera 102 168 1 22	102 168 1 22	5050	1123%	「「「「「「「「「」」」「「「」」「「」」「「」」「「」」「「」」「「」」「	2014-3-0 11.4.18		171
SIPCamera_192.168.1.22		Inchang変列改画	SIPCamera 192, 100, 1, 22	192.100.1.22	5050	1123%	「「「「「「「「「」」」「「「」」「「」」「「」」「「」」「「」」「「」」「	2014-3-0 11.4.18		- 合1
SIPCamera_188.188.1.2/	1	InChangを知道の	SIPCamera 199 199 1 25	100.100.1.27	5050	1123%	「「「「「「「「「」」」「「「」」「「」」「「」」「「」」「「」」「「」」「	2014-3-0 11.4.21		
SIPCamera_188.188.1.35	12	Inchang変列改画	SIPCamera 199 199 1 29	100.100.1.00	5050	112976	「「「「「「「「「」」」「「「」」「「」」「「」」「「」」「「」」「「」」「	2014-3-0 11.4.13		-
SIPCamera 198 198 1 117		InChang変列改画	SIPCamera 199 199 1	100.100.1.120	5050	112976	「「「「「「「「「」」」「「「」」「「」」「「」」「「」」「「」」「「」」「	2014-3-0 11.4.17		白日
CIDCamera 102 169 1 12	1	IPC/WRAR/列皮面	SIPCamera_100.100.1	100.100.1.117	5050	11233	国連中心「加及中心二後 総理上、	2014-3-0 11.4.20		- JEN
0 188 188 1 12	10	InChang変列改画	SIPCamera 192, 100, 1, 15	192.100.1.15	5050	112976	管理中心	2014-3-0 11.4.19		
SIDCamera 188 188 1 39	10	IPC/NVK条列设备	SIPCamera_188.188.1.39	100.100.1.39	5050	1±35	自理中心	2014-3-6 11:4:18		
SIPCamera_188.188.1.44	£/	IPUMAR例成面	SIPCamera_100.100.1.44	100.100.1.44	5050	1±3%	自理中心	2014-3-6 11:4:17		一不
		10 Am /5/5 T	And see 1 with							
	1	.设备官均	里树区弧							
									СК 📾 🕐 📮	
6 14 14 16							DII/48409.907. 3*/			States -

- 1- Device management area
 - Adding regional and device information.
 - Delete regional and device information.
- 2- Device control bar
 - Add: search/modify/add IP Camera
 - Modify: modify the name / IP add/command port/user/password of the device
 - Delete: delete the device of the list
 - Config: remote invocation parameters of the device
 - Diagnosis: diagnosis the device
 - Sync time: Calibration time
- 3- list of online device
 - all online devices will be added here

www.iPC_NVR_DVR统 实时监控 设备管	客庁骥 V6.0.1—20140109 - 家像设置 录像回放 系统设置 联动配置 用户管理 电子地图 日志音询 矩阵电视墙	2 ? - X
网络参数	· · · · · · · · · · · · · · · · · · ·	
转分发状态	IP地址: 127 . 0 . 0 . 1 子闷旗段: 0 . 0 . 0 . 0	
存储设置	闷炎: 0 · 0 · 0 · 0 物理地址: EDEALEF2-33E7-4725-878-38FA	
录像计划	信令端口: 10000	
录像状态		
1.控件材	¥ 2.显示栏	
2014/3/6 16:17:17	ummun CPU使用系: 7%	登陆用户: root

3.2.3 Storage config

- 1- storage bar
 - internet: display the internet parameter of the storage server
 - forward state: display the state of the forwarding server
 - storage settings: set the storage
 - Video program: set the video state of the device
 - Video state: display the state of video

3.2.4 Replay

CMS-Network Monitor Platform V6.0.1—20 Preview Device Config Storage Co Device Infec	niag Replay System Config Linkage User Manage Elect	ronic Map Log Query
• Contracting 10 300 307 • Contracting 0 300	CMS •	CMS
Device video Center Videojes Nota Starch Select video Al Videose	CMS	СМЅ
	Image: Construction 4.4 1/16.1/8.1/4 1/2 Socialized 2.2.2.4 5.1.6 7.1.6 2.9.9 down1 4.4 5.1.6 7.1.6 2.9.9 1/2 down2 4.4 5.1.6 7.1.6 2.9.9 1/2 down2 4.4 5.1.6 7.1.6 2.9.9 1/2	2 4 8 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2014/4/12 18:31:56	V Kation detection vid	keo 🖌 Alam trigger video 🖌 🔅 🖓 🖓 👘 🕹

- 1- the list of device
- 2- select the replay time
- 3- the screen of replay
- 4- the available time of replay

3.2.5 System config



- 1- system config bar
 - set the video group: add device to the group
 - system config: save path/linkage preview/NVR channel display/user settings/launch configuration
 - sound scheme :alarm sound options
 - display settings: monitor properties/monitor layout
- 2- display area

3.2.6Linkage

ndex Linkage name:	Event Event Source	Linkage Action Engline managers. Status of a Note	Detailed information of alarm linkage
2+	New alarm linkage - Alarm source	n type with an and a state of the state of t	
		Alars type Alars type Trides less alars Trides cover alars Alars Topot Alars	
		CI-90 - DA	

- 1- linkage bar
 - add: add alarm type (motion detection alarm/video loss alarm/video cover alarm/alarm input alarm)
 - delete: delete linkage information
 - refresh: refresh the information
- 2- the list of information
- 3- the display of bar

3.2.7 User manage

	(her same	then here	Voer details
,	root Management Center	Administrator	Uper name:
	User Information		Ver type
	User internation	side mande .	Ares:
	Username *	System config	E-mail
	Passeord	Linkage management E-map config Device parame •	Tel:
		Construction of the second sec	Banaries:
	Confirm password	TV wal management	
	Resinane		100000000000000000000000000000000000000
		Right control	Vasr rights
		Wdeo Preview • Vdeo playback • Vdeo downicad •	Trap coffie
	E-mai	PTZ control . Voice talk-back .	Device parameter config
	Netes		TV wall management
			Video Preview
	User type • Ordinary user		Video playback
	Area • Management Center	Alarm confirmation Log Query	Video download
	Convision from Customize		Ti control Vaice talk-back
		Hore: the new work (*) must be filled.	
		Confirm	Alars confirmation
			Lang Worry

- 1- the list of device
- 2- manage bar
- 3- display user screen
- 4- display of manage bar(user information/Right settings/right control/other)

3.2.8Electronic map



- 1- tool bar: contain switch screen/select/zoom/full screen/close screen and so on
- 2- the list of device
- 3- switch: map/device/Template
- 4- preview window
- 5- real-time alarm information

3.2.9Log Query

Log type	Operation log	User Whole	Ø	Start Time 201+0+12 00:00:00	End time 201+0+12 23:59:59	Query Save	
Index	User	Client computer	Time	Operating		Operation Information	
1	root	127.0.0.1	2014-04-12 18:05:45	User Log in		User Log in Administrator	
2	root	127.0.0.1	2014-04-12 18:05:14	User Log out		User Log out Administrator	
3	root	127.0.0.1	2014-04-12 18:04:32	User Log in		User Log in Administrator	
4	root	127.0.0.1	2014-04-12 18:04:18	User Log out	2.1	User Log out Administrator	
5	reet	127.0.0.1	2014-04-12 17:28:59	Delete Device	24	Delete Device 1045-65	
6	1001	127.0.0.1	2014-04-12 17:03:45	User Log in		User Log in Administrator	
7	1000	127.0.0.1	2014-04-12 15:30:15	User Log out		User Log out administrator	
	1000	127.0.0.1	2014-04-12 14:34:27	User Log in		User Log in Administrator	
2	root	127/0/0.1	2014-04-12 14/01/56	User Log out		User Log out Administrator	
20	FOOD	127/0/0.1	2014-04-12 13:48:11	Moory Device		Modry Device (pp-Camera_192.358.0.202	
12	root	122.0.0.1	2014-04-12 12:42:43	Palate Davide		Palate Device 100/ mars 102 168 0 303	
13	These states	122.0.0.4	2014 04 12 13 45 35	Mudfe Device		Model Device GERCI nera 192, 168.0.202	
					• • •		「国中し

- 1- the conditions and operation area
- 2- list of information

四、 How to add and preview quickly 4.1 Search IP Camera

A. Click "Device config" Device Config ,and click "Add"

Device type	MAC address	IP address	Subnet mask	Gateway address	command	Media Port	Channel	Automati	Already ad
SIPCamera	00:00:00:08:92:37	192.168.0.202	255.255.255.0	192.168.0.1	5050	6050	1	Disable	Yes

B. Click "Detect the device" Detect all the devices ,you can find the device in the

list.

	Detect online device									×
	Device type	MAC address	IP address	Subnet mask	Gateway address	command	Media Port	Channel	Automati	Already ad
	SIPCamera	00:00:00:08:92:37	192.168.0.202	255.255.255.0	192.168.0.1	5050	6050	1	Disable	Yes
4.2 Modify IP	Camera									
			Dev Dev	/ice type						
Α.	Select the	IP Camera	🖌 🖌 SIPCa	mera						
В.	Click "Mo	dify device	" Modify de	appe,	ar the wi	ndows	, note	the II	P add	ress of
	device and	d the IP add	lress of PC	must be ir	the same	LAN.				
	Config device int	formation	×							
	-Config information									
	Device type	SIPCamera								
	MAC address	00:00:00:08:92:3	7							
	IP address	192 . 168 .	0 . 202							
	Subnet mask	255 . 255 .	255 . 0							
	Gateway	192 . 168 .	0.1							
	Automatic	Disable	()							
	Deceting port	8060								
	Ordering port	5050								

B. Enter the user name ("admin" default) and password ("123456" default);click "OK"

Jser name:	admin
Password:	•••••

. 30

Save configuration

4.4 Preview Device

4.3 Add Device

A. Click

Media Port 6050

Management 3031 Registration 10

C. Save configuration

Channel

1

Management 192 . 168 . 0

Bulk Add

		Preview	Device Config	St
A.	Select "Preview"	Device	ement Center PCamera_192.168.0.202 , CH01	



C. Double Click the device, you can preview the image of the device in the right

