# High Definition Intelligent IR Star Light IP Speed Dome Camera

**User's Manual** 

Chapter 1 Precautions
Chapter 2 Structure
Chapter 3 Functions Description
3.1 Features
3.2 Function Instruction
3.3 Specification
Chapter 4 Installation Guide
4.1 Preparation
4.2 Installation
4.3 Interface Instruction14
4.4 Installation Procedures (Take Wall Mount as Example)15
4.5 External Cable Connection Instruction17
Chapter 5 WEB Instruction
5.1 System Requirement
5.2 Built-in Web Instruction
5.3 Log in
5.4 Preview
5.5 Playback
Chapter 6 Configuration
6.1 Audio Video Set
6.2 Dome Set
6.3 VCA
6.4 OSD
6.5 Storage Management
6.6 Network Management35
6.7 User management
6.8 Alarm Management
6.9 PTZ Management and Control40
6.10 Advance
Chapter 7 Simple Problem-solving Methods
Chapter 8 After-sales Service
Appendix I Lightning and Surge46
Appendix II::Hoisting construction Guide48

# CONTENT

# **Chapter 1 Precautions**

In order to avoid danger and operate the products correctly, please read this manual carefully before installation.

Warnings alert the user to avoid	Cautions alert the user to avoid
the potential risk of death or serious	the potential risk of injury or
injury	property damage

The precaution contains two parts "Warning" and "Note" as following:



• Please use AC 24V power supply meeting SELV(Safety Extra Low Voltage) and in accordance with IEC60950-1 compliance with Limited Power Source

• Please contact nearest distributor or service center if the products don't work properly, do not remove or modify the device in any way (unauthorized modification or repair problems caused by your own risk).

- Please don't expose the indoor product to rain or moisture.
- The installation should be performed by professional staff, and comply with local regulations.
- Please mount easily using power protection device in the wire installation.
- Please make sure the connection can withstand at least 50 Newtons vertically downward pull.



• Please check if the power supply is correct.

• In transportation and storage process, please prevent stress, severe vibration and immersion to avoid any damage

• Please don't touch the image sensor and housing directly, if necessary, please gently clean with alcohol dampened.

• Please don't touch the cooling components directly, in order to avoid burns.

• Please don't focus aligned glare (such as lighting, sunlight, etc.), otherwise it will easily lead to too bright or pull light phenomena, also affect the image sensor life.

• The laser beam may burn the image sensor, so when it is used, please don't expose the image sensor in laser beam.

• Please don't put it in the damp, dusty, extreme heat, extreme cold, strong electromagnetic radiation places.

• Please make sure the installation location keep enough distance from the electromagnetic

sensitive devices surrounding to avoid electromagnetic interference.

- Please prevent heat buildup and keeping the surrounding ventilation.
- Please prevent the speed dome from water or any liquid.

• The product must be carried by original package, either in delivery to users or in return delivery to the factory for repairing. Otherwise, damage caused in transportation will not be covered by warranty.

• The battery replaced incorrectly will lead to use of exceptions, and we don't recommend users to replace directly; If necessary, please use batteries recommended by the manufacturer (for devices with battery).

• Please don't dismantle internal parts, please turn to qualified maintenance professionals to carry out repairs

• Long-term high speed cruising may cause slip rings broken and belt aging, also affect speed dome life.

	Speed Dome
Environmental temperature	-40°C∼+70°C
Moisture	<95% (Non-condensing)
Atmospheric pressure	86~106KPa
Power	AC24V/2.0A

#### • Working Environment

Note: make sure outdoor installation meets water-proof requirements.

# **Chapter 2 Structure**



If not work with our bracket, please check the interface of speed dome:



# **Chapter 3 Functions Description**

# **3.1 Features**

#### 1. Built-in Decoder

- HD IP Speed Dome, support 720P 25/30fps or 1080P 25/30fps output.
- Support English menu
- Support standard Onvif
- Power-off protection, no data loss
- RJ-45 port network port
- Support PELCO\_P,PELCO\_D protocols.
- Support 3D location
- Support standby function
- 225 programmable presets
- 8 cruising tracks, each cruising track has 32 preset positions
- 8 auto scan tracks, the left and right boundaries and scan speed can be set
- Support OSD, date and time display
- Support 1 channel alarm input and 1 channel alarm output
- Support TF storage and local capture

#### 2. Integrated Universal Speed Change Rotator

- Manual Speed:0.1°~160°/s,Max speed 240°/s
- 360° continuous pan rotation, tilt -11°~90° auto flip
- Stepless speed change, auto zoom/speed matching
- Classic double bearing structure, more stable operation
- Delicate stepping motor, stable, sensitive and accurate

#### 3. All-weather Outdoor Design

- Sensor intelligent control
- Double housing structure
- IP66 water proof
- Support anti- lightning and anti-surge

#### 4. Camera Module

- Support auto iris, auto focus and auto BLC
- Mini. Super Illumination 0.002Lux/F1.5(color),0.0002Lux/F1.5(B/W)
- Support 3D noise reduction and WDR

#### 5. Network

- Support Ethernet control
- Support remote view and control by browser and client software
- Support Micro SD card
- Support NFS
- Support remote view and control by browser and client software
- Support Micro SD card
- Support for NFS record
- Support four levels user authority
- •Support for authorized users and passwords, support HTTPS encryption and IEEE 802.1x network access control
- $\bullet$  Support dual-stream, support H.264/MJPEG, support multi-level video quality configuration,

and support real-time video output resolution 1080p, 960p and 720p

• Support multiple network protocols, IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP,

#### TCP / IP, DHCP, PPPoE

#### 6. IR Function

- Mini. Illumination 0Lux
- Adopt array IR, low consumption, IR distance 120m
- IR LEDs and zoom auto match
- Support NFS
- Built-in heat treatment and defog systems
- Constant current circuit design, IR LED life >30,000 hours

# **3.2 Function Instruction**

#### • Focus/Rotate Auto Match

Speed Dome can auto adjust pan and tilt rotation speed depending on the focus distance.

#### • Preset Position Setting and Calling

Preset function means the speed dome can memory current pan/tilt angel, focus, zoom, ect. When need, it can be called upon directly. Our speed dome support up to 255 preset positions.

#### • Auto Scan

Users can set the left and right boundaries by control keyboard. Then speed dome can scan between it. It can set up to 8 groups scan path.

#### • Auto Cruising

Users can program some preset positions into auto cruising sequence, then the speed dome can track as it. Each cruising tracks has 32 preset positions.

#### • Pattern Tour

Speed Dome can memory 180s running path. When start pattern tour, speed dome can track as recording path. It supports 4 groups pattern tour.

#### • Guard Location

The dome will rotate back to preset position after a period of vacant time.

## • Power-off Protection

Speed dome can resume operation status before the power-off, no data loss.

# **3.3 Specification**

Specificatio	Model n	S6 HD IP IR Spo	eed Dome	S6 Star Light IP IR Speed Dome
	Sensor	1.3M:AR0130-1/3" CMOS	2M:IMX222-1/2.8" CMOS	1/1.8" 2.1Megapixel SONY Exmor CMOS sensor
Camera	Pixel	1.3M	2.1	2.1
	Image Resolution	Color:0.5 Lux @ (F1.6, B/W:0.095 Lux @ (F1.6	50 IRE,ICR close) 5,50 IRE,ICR open)	Color: 0.002 Lux @(F1.5,AGC ON)

				Black&White:0.0002 Lux @(F1.5,AGC ON), 0 Lux with IR
	Resolution	≥720TVL	≥1000TVL	≥1000TVL
	White Balance	Aut	to / Manual/ATW	1
	GC		Auto /Manual	
	S/N		>50dB	
	Noise Reduction		3D&2D	
	WDR		Support	
	Electronic Shutter	1,	/251/10000s	
	Day/Night		Auto ICR	
	Focus		Auto / Manual	
	Focal Length	14.7~84.6mm,20X	4.7~94mm,20X	6.0-180mm,30x
	Zoom		3S	
Lens	Horizontal Angle	54.8°-3.4°	55.5°-3.0°	54.8°-3.4°
	Near Distance		20~1000mm	
	Iris	F1.6 ~F2.7	F1.6 ~F3.0	F1.6 ~F3.0
	Horizontal Rotation Range	360°0	continuous rotation	
	Horizontal Speed	0.05°~160°/s (step)	less speed )	0.1°~160°/s (stepless speed)
	Vertical Rotation Range	1	1°~90°auto flip	
PTZ	Vertical Speed	0.05°-120°,	/s	0.1°-120°/s
	Preset		255	I
	Auto Cruise	8 group, ead	ch group can set 32 pre	eset
	Auto Scan	Support track, horizontal, ve	ertical, frame, whole vie	ew and random scan
	Guard Location	Link pres	et/scan/cruise/patter	n

	Power off Memory		Supp	port	
	Position		On/	′Off	
	Information Display			0.11	
ID	IR Distance	120m		15	50~180m
IK	IR Angle	Zoom ma	tching, f	far/middle/nea	r
	Image resolution	1280×960	19	920×1080	1920×1080
	Frame rate	50Hz: 25 fps (1280×960) 25 fps (1280×720) 60Hz: 30 fps (1280×960) 30 fps (1280×720)	50Hz: 25fp 25fp 60Hz: 30fp 30fp	25fps(1920×1 080) s(1280×960) s(1280×720) 30fps(1920×1 080) s(1280×960) s(1280×720)	50Hz:25fps(1920×1 080) 25fps(1280×960) 25fps(1280×720) 60Hz:30fps(1920×1 080) 30fps(1280×960) 30fps(1280×720)
Network	Video Compression		H.264/	MJPEG	
neework	Audio Compression	G711A/G7	′11U/GZ	726/ADPCM/AA	AC
	Network Protocol	IPv6,HTTP,HTTP DNS,DDNS,NTP,	S,802.1x RTSP,R	к, FTP,SMTP,UPı ГР,TCP/IP,DHCF	nP,SNMP P,PPPoE
	Preview Channel		Max	6ch	
	Stream		Trij	ple	
	Authority	32 users, 4 level: adm brov	ninistrat wse+cor	cor, browse, brov ntrol+setup	wse+control,
	Safe Mode	Authorized user name and p network acces	asswor s contro	d, HTTPS encr ol, IP address filt	yption; IEEE 802.1x tering
	Audio Input		Supp	port	
	Audio Output		Supp	port	
Interface	Network		10M/	100M	
Interface	TF Card		Supj	port	
	Program	Supp	port sta	ndard Onvif	
	Browser	IE8,IE9,IE10,Chrome8+,F	irefox3	.5+	
	Power	А	C24V 4	40W max	
General	Working Temperature and Humidity	-40 ℃-65 Humidity<9	°C 0%		-40 ℃-70℃ Humidity<90%

Protection Level	IP66,TVS 4000V lightning protection
Weight	4.8kg

# **Chapter 4 Installation Guide**

# 4.1 Preparation

# 1. Tools:

Please prepare the necessary tools according to specific situations



2. Check installation space and address

Check the space is enough to install the speed dome. The wall must be thick enough to install the expansion screws and can bear 4 times the weight of the dome camera itself.

3. Please well keep the whole package

After open the package, please well keep them in case need to return to manufacturer if any problem.

 $\star$ Note:The non-original package may lead to damage during the transportation.

# 4.2 Installation

The speed dome supports four types installation as following:

1:Wall mount and dimension:



Wall Mount Bracket Dimension

2:Pedant mount and dimension:



Pedant Mount Bracket Dimension

3:External corner and dimension



External Corner Bracket and Dimension

4:Pole mount and dimension:



Pole Mount Bracket and Dimension

# 4.3 Interface Instruction



Speed Dome and Bracket Interface Dimension



Speed Dome and Bracket Interface Perspective Picture

# 4.4 Installation Procedures (Take Wall Mount as Example)





Figure 2

## Steps:

Remove the wall mounting bracket and speed dome, and lead the cable through the bracket and set aside to the right position. Aligned the screw holes of speed dome to that of bracket, and use M6 screws to fix. (as Figure 1)

Mark the drill holes position on wall with ink pen for bracket installation, then drill holes and punch the expansion screws in, then fasten the bracket with M8 screws as Figure 2.

Description:

1) The wall must have sufficient load-bearing capacity.

2) Outdoor installation shall be completely sealed moisture; leads cable should closely along the bracket wiring as Figure 1.

# 4.5 External Cable Connection Instruction



A1: Power Cable:AC/DC24V;

A2: Network: Connect computer or other devices

A3: Audio Cable: Audio input and output can connect mic and speaker

A4: Alarm Cable:Connect external alarm devices;



Note: Please refer to labels on the cables

# **Chapter 5 WEB Instruction**

# **5.1 System Requirement**

The IP speed dome web settings support Windows XP, Win7 system, please make sure right installation and setup of following items:

(1) Display resolution: 1024 \* 768 or higher, color: High Color (32-bit).

(2) Please make sure the Windows system install the necessary character style.

# 5.2 Built-in Web Instruction

When using the network video products for the first time, an ActiveX control is needed. Note: please use IE browser of windows and make sure the version above 6.0. Do not use any other browser except Firefox, Google.

(1) Login IP address and enter to ActiveX download interface.

(2)Download ActiveX and click 【Run】 to install

# 5.3 Log in

**Camera default IP address is**:192.168.1.2, please make sure computer and IP camera in the same IP address area.

You need to download Active X plug when first time to use.

NETVIDEO		English 💌
User Name Password	admin ●●●●	
-	Login	
	1	

# **5.4 Preview**

Descriptions of live view page



#### 5.4.1 Live View



Descriptions of live view parameters and toolbar

Icon	Description	Icon	Description
Major	Major stream		Manual recording on / off, and
			default storage path is
			D\NetVideoBrowser\
Minor	Minor stream	100	Manually capture, and default
			storage path is
			D\NetVideoBrowser\
3rd Stream	Third stream	Y	Intercom on/off
	Screen lock		Full screen
	Screen adapt to current		Audio on, volume adjustment
	resolution		and mute

Note When stream type is **[**Pure Video **]** ,audio preview is invalid.

# 5.4.2 Video parameter

(1)**<Default>** to resume the default settings.

(2)According to network situation you can choose preview mode from <Low bandwidth>, <Low latency> to <High quality>, <High fluency>

# 5.4.3 PTZ control

(1)Select rotation direction of speed dome,



enable auto scan.

- (2)<**Zoom**>Zoom in /Zoom out
- (3)<Focus> Manual Focus.
- (4)<Iris>Manually adjust iris.

(5) set PTZ speed



(6) Wipper
(7) Preserve









#### **5.4.4 Preset position**



<Set> Setup preset position

<Call>Call the preset position

# 5.5 Playback

	Live View	Playback	Log	Configuration							
					"		2	014-02			
					Sv	Mon	Tue	Wed	Thu I	ri	Sat
					26	27	28	29	30	31	1
					2	3	4	5	6	7	8
					9	10	11	12	13	14	15
					16	17	18	19	20	21	22
					23	- 24	4. 4	5	6	7	8
								_	· ·		<u> </u>
						leType P	ecord	~			
					F	ecType	a	~	Remote	<b>~</b>	
					177	Ch	an No.	Start	Tine S	top Ti	ne
											_
											_
_					<						>
										FILE	5
	~ <b></b>				00:00:00/00:00:00	-			±.		20

# 5.5.1 Search recording files

(1)Select date in the calendar

- (2) <File Type> select <Record> or <Picture>
- (3)**<Rec Type>** Select targeted file type video/picture.

• •			2014-02	2		<b>b bb</b>
Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	- 30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	1
2	3	4	5	6	7	8
	_					
Rec	Type A	1	~	Remote	<b>V</b>	
Rec	Type A	m No.	✓	Remote Time	Stop 1	line
Rec	Type A	m No.	✓ Start	Remote Time	Stop 1	line
Rec	Type A	an No.	Start	Remote Time	Stop 1	line
Rec	Type A	an No.	Start	Remote Time	Stop 1	line

## 5.5.2 Descriptions of playback toolbar

|--|

	Stop recording	-%	Clip video files, and default
			D\NetVideoBrowser\
	Speed down in 1/2X,1/4X,1/6X and 1/8X		Single screen
•	Play		Playback in 4 screen at the same time
•	Speed up in 2X,4X,6X and 8X		Full Screen
Þ	Playback by frame	Ŧ	Download recording files
	Audio on, volume adjustment and mute	F	Download files into FTP server
	Capture, and default storage path is D\NetVideoBrowser\	<b>₽</b> ¢	Preview download status

# 5.6 Log

- (1)<Channel No> Select target channel
- (2) <Log type>
- All/system/warning/alarm/operation/user/others
- (3) **<Start time>** Select start date and time.
- (4) **<End time>** Select end date and time.
- (5) **<Query>** Get a log list.

(6) Check logs by <First page><Pre page><Next</li>page><Last page> and <Jump to>target page.

(7)**<Export current page>** to export logs, and default save path is D\NetVideoBrowser.

(8)<**Export all page>** to export all the pages query, and default save path is D\NetVideoBrowser.

nei No.	Al Channel		Log Type	AlType		
Tine	2014-02-07	00.00	End Time	211442-07 👱 23.59 🚦	Query	
	Channel	Type	Time	User	Content	

# **Chapter 6 Configuration**

Live View	Playback	Log	Configuration	
Audio Video Set     Video Param     Audio Param	Video Param			
Key Region	Chann	el No. Channe	el 1 Major	~
Dome Set	💌 🛛 General Set			
► VCA	Video C	uality Better		*
Storage Management	Stream	Type Audio Vi	ideo	~
Network Management      Liser Management	Reso	olution 960P(12	280×960)	~
<ul> <li>Alarm Management</li> </ul>	в	Rate 6144		
PTZ Management	Frame	Rate 25		~
Advance Set	Prefer	Mode Frame R	late	
	N/P	Mode PAL		
	IFrame	Rate 50		
	Encoding	Mode Static co	ode rate	
	▶ Advanced Set			
		Sav	e Import I	xport

Attention: All settings will be enabled in 3 seconds after <save>.

# 6.1 Audio Video Set

#### 6.1.1 Video Parameter

<Channel No.>Select the target channel

#### **General Set**

```
(1)<Stream Type><Audio Video>/<Pure Video>(2)<Encoding Mode>
```

**<Static code rate>** Fix stream and bandwidth occupation.

**<Dynamic code rate>** Stream will be varied to the change of video, take up less bandwidth when there is no change on video.

(3)**<Video Quality>**only be activated when choose **<Dynamic code rate>** in <Encoding Mode>.

<Video Quality><Best>,<Better>,<Good>,<Fair>,<Poor> The better quality the more stream and bandwidth occupation.

(4)<Bit Rate> show stream rate for the video, unit is Kbps. When choose<Static code rate>,
 <Bit Rate>stand for actual rate of the stream. When choose<Dynamic code rate>,<Bit Rate>show the max stream rate, range from 32 ~ 8000Kbps.

(5)**<Frame Rate>** 1/5/10/15/25/30fps optional.

(6)<I Frame Rate> To set the interval time for each two I frame. (I frame is the key frame in the

Video Param	Video Param		
Audio Param Key Region	Channel No.	Channel 1 Major	~
Dome Set	General Set		
VCA	Utidae Quellau	Dathar	
• OSD	video Quaixy	better	×
Storage Management	Stream Type	Audio Video	~
Network Management	Resolution	960P(1280×960)	~
User Management			
Alarm Management	Bit Rate	6144	
PTZ Management	Frame Rate	Frame Rate 25	
Advance Set	Prefer Mode	Frame Rate	~
	N/P Mode	PAL	~
	IFrame Rate	50	
	Encoding Mode	Static code rate	~
	Advanced Set		_
		Save Import Export	
	11		

video stream)

(7)<Prefer Mode>

<Frame Rate> Fluency first

<Quality> Video quality first

(8)<**Resolution>** 4CIF/VGA/720P/960P/1080P.

(9)<N/P Mode> Select <PAL> or<NTSC>.

#### **Advance Set**

(1)<Video Encoding>

<H.264> and <Motion JPEG>

#### (2)<Extended Code>

Available when selected **<H.264>**, there are **<baseline>**, **<main profile>**, **<high profile>** for selection.

(3)**<Encrypt Type>** Add password for the channel.

<Encrypt Password> Enter password.

<**Password Confirm>** Confirm the password. Click<**Save>**to enable.

#### Video Parameter-Export

<Export> backup the configuration file, save to

D\NetVideoBrowser\VideoParam.dat as default.

#### Video Parameter-Import

<Import> import the backup file for parameter configuration.

#### **Audio Parameter**

(1)<Channel No.>select target audio channel.

(2)<**Audio Encoding>** select audio compression

type.

(3)<Audio Sample Rate>

<8k>,<32k>,<64k> optional.

(4)**<Save>** save and enable the setting.

Video Param	Video Param	
Audio Param		
Key Region	Channel No.	Channel 1 Major
Dome Set	General Set	
▶ VCA	and a second	
▶ OSD	Advanced Set	
Storage Management	Extended Code	baseline
Network Management	Video Encodina	LI 264
User Management	index and any	11204
Alarm Management	Channel Type	Local Channel
PTZ Management	Encrypt Type	Not encrypted
Advance Set		
	Encrypt Password	
	Password Confirm	
	Electronic image stabilization	Dicable
		Save Import Export

.....

🖛 Audio Video Set

٦٢

🕶 Audio Video Set			
Video Param	Audio Param		
Audio Param			ш
Key Region	Channel No.	Channel 1	
Dome Set	Audio Encoding	G.711A	
▶ VCA			
▶ OSD	Audio Sample Rate	8k 💌	
Storage Management			
Network Management		Save	
User Management			
Alarm Management			
PTZ Management			
Advance Set			

Note: some models need reboot after saving the setting.

#### 6.1.3 Key Region

<**Key Region>** To have better image quality for some regions on the video, there are 4 regions settable for each video.

#### (1) <Draw Region>

Use the mouse to draw the key region on the video.

(2)Click**<Save>** to enable.

#### (3) <Delete Region>

delete the drawn regions.

## 6.2 Dome Set

#### 6.2.1 HD Parameter

Set video image parameter in this page.

#### **HD Param-Model**

The system provides 8 video templates for different application, all the video parameter can only be revised and saved in the template.

(1) **<Current>** Select current template.

(2)**<Name>**show the name of the current template, it can be revised.

#### **HD Param-Parameter**

(1)**<Sharpness>** Range from 0 to 255.

(2)<Focus Mode><Auto>or<Manual>.

(3)<Day/Night><Auto>,<Night>,<Day>.

(4)<ICR-Sensitivity> set sensitivity for IR





filter, <Low>, <Middle>, <High> optional. The higher value you set, the faster the IR filter switch.(5)<Digital De-noise> revise the gamma value of image.

<Digital De-noise>has options of<Close>,<Ordinary Mode>and<Expert Mode>, default is
<Clode>.When selected<Ordinary Mode>,there will be a sliding block to set the de-noise level.
When selected<Expert Mode>,there will show sliding block for<Space-Domain</p>
Denoise>and<Time-Domain Denoise>, drag to set <Space-Domain</p>
Denoise>and<Time-Domain Denoise>.

Remark Click button<**Save Schedule>** to save all the setting into the template.

(6)**<Wide Dynamic><ON>**,**<OFF>**. When selected**<ON>**, it will enable setting for**<Level>**,there are High/Medium/Low for selection.

(7)**<White Balance ><Auto>,<Manual**>and**<ATW**>.When selected**<Manual**>,there will be 2 sliding blocks to set the white balance, R stand for red gain and B stand for blue gain.

(8)<Exposure><Auto>and<Manual>

- (9)<Light Suppression> <ON>and<OFF>, suppress the high light.
- (10)<Defog> <ON>and<OFF>

**HD Param-Restore Defaults** 

Click button<**Restore Default>**to recover the defaults setting for the target template. Remark **<HD Param>** has Export and Import function, operation is the same as **<Video Param>**.

#### 6.2.2 HD Schedule

To define different video template used for different time period.

(1)It offers 8 different time periods, select the check box to enable it.

(2)Select template for each time period.

(3)Length of each time period is settable. Colors

are different for different template.

(4) Click<Save>to save and enable.

# 

#### 6.2.3 Basic Set

#### 6.2.3.1 Basic

<**Auto Flip Enable>** Enable for 0~180°, disable for 0~90°.

<**Tilt Angle Adjustment>** Set the tilt angle for speed dome camera, range from "0"to"-11" degree.

#### <Control Speed>

Set limit for the max operation speed, high/medium/low for selection, high=240°/s, medium=160°/s, low=80°/s.

<Auto Stop-time (s)> Set the time period for the speed dome camera to stop PTZ movement since the last operation. It can be set to be

5/15/30/60s.

<**Preset Speed>** Set the preset speed for speed dome camera, there are high/medium/low for selection.

#### <Temperature Control Mode><Auto>and<OFF>

<**Standby Action>** It is to define the action of speed dome camera when it is idle. There are 4 options preset#1, scan#1, cruise#1 and pattern#1.

<**Standby Time** (**s**) > enable standby time setting. There are 30s,60s,300s,600s and 1800s for selection.

<save> save and enable all the setting.

Hodo Hodo Jec			
Dome Set	Basic Set		
HD Param			
HD Schedule	Channel No.	Channel 1	*
Basic Set	👿 Basic		
Mation Set		Auto Flip Enable	
Motion Schedule	The sector sector sector		
IR Set	Tilt Angle Adjustment	-3	~
Status Info	Control Speed	Middle	~
VCA	Temperature Control Mode	a.a.	
OSD	Temperature Concromode	Auto	*
Storage Management	Auto Stop-time(s)	30	~
Network Management	Preset Speed	Hidb	~
User Management			
Alarm Management	Standby Action	Preset 1	Enable
PTZ Management	Standby Time(m)	30	~
Advance Set			
		Save	
	▶ Title		
	-		

#### 6.2.3.2 Title

<**Title Type>** Preset, Scan, Cruise, Pattern and Zone No.

<**Title No.>** Preset number range from 1-32, Scan number range from 1-8, Cruise number range from 1-8, Pattern number range from 1-8, Zone Number range from 1-8.

<Title Name>Set title name.

<**Stay Time>** Title display on the screen, options 2s,/5s/10s/disappear/keep.

<Display Coordinate Direction> check to display the movement coordinates.

**<Display Title Background>** check to display title background.

#### 6.2.4 Motion Set

▶ Audio Video Set				~
▼ Dome Set	Motion Set			
HD Param				
HD Schedule	Channel No. Channel 1	×		
Basic Set	and again there is 1	Preset No.	1	Call
Motion Set		Focus Mode	a Auto	-
Motion Schedule	7 7 4		Set Delete	
IR Set		and the second s		
Status Info	10 5. 45 3	Cruise No.	. 1	🖌 🔄
▶ YCA		Cruise	12	
▶ OSD		Att		
Storage Management		Prese		
Network Management		Stay Time(s)		×
User Management			Add Delete	
Alarm Management		Scan No	1	Call
PTZ Management		Scan Type	Pan Scan	~
Advance Set		Set Origin Set Month Scan Speed	d [20	~
			Broder 1 Broder 2	
	F A 7	Zam I		
		Pattern No	1	Cal
		- Focus + Used(%)	) –	~

#### 6.2.4.1 Preset

<Preset No.> Speed dome camera supports 220 presets, number range from 1-64 and 100-255.

<Focus Mode> Focus mode for preset can be auto/manual.

Preset No.	1	Call
Focus Mode	Auto	~
	Set Delete	

**<Set>** Move to target position and press

<Set> to save as preset position.

**<Delete>** Delete the target number of preset position.

**<Call>**Speed dome camera will move to the target preset position.

F Haalo Habo Sec	
Dome Set	Basic Set
HD Param HD Schedule Basic Set	Channel No. Channel 1
Motion Set Motion Schedule IR Set	🐨 Title Title Type Preset 💌
Skatus Info > VCA > OSD > Sorkage Management > Network Management > User Management > Alarm Management > PTZ Management > Advance Set	Title Non. 1

#### 6.2.4.2 Cruise

<Cruise No.> Speed dome camera supports 8 cruises, number from 1-8 <Cruise> show how many presets in the cruise.

<**Preset>** Only preset number 1-64 and 100-255 are available, click **<Add>** to add the preset into cruise list.

<Stay Time(S)>Set interval time

between two presets, rang from 1-60 seconds.

<Add>Add presets into cruise list.

<Delete>Remove preset from the cruise list.

<Call>Activate the speed dome to move follow the presets in cruise list.

#### 6.2.4.3 Scan

<Scan No.>The speed dome supports 8 Scans, number from 1-8

<Scan Type>Pan Scan, Auto Scan, Frame Scan, Random Scan, Tilt Scan and Panorama Scan.

**<Scan Speed>**Set speed for Pan Scan, Auto Scan, Tilt Scan and Panorama Scan.

<Border 1>Left border of the Scan.

**<Border 2>**Right border of the Scan.

**<Call>**Activate scan movement of the speed dome.

#### 6.2.4.4 Pattern

<**Pattern No.>**The speed dome camera supports 8 pattern tour, number range from 1-8.

<**Used(%)**> Show percentage used for operations in one pattern tour.

<Left Time(s)> Show the time remaining

in the pattern record process. (The speed dome camera supports up to 180s)

<Record> Start pattern tour recording

**<Delete>** Delete the target pattern.

<Call> Activate the speed dome camera to move following the pattern tour.

Cruise No.	1 Call
Cruise	12
Preset	1
Stay Time(s)	1
	Add Delete

Scan No.	1	Call
Scan Type	Pan Scan	~
Scan Speed	20	~
	Broder 1 Broder 2	

Pattern No.	1 Call
Used(%)	-
Left Time(s)	_
	Record Delete

#### 6.2.4.5 Zone No.

<Zone No.>The speed dome camera supports 8 zones, range from 1-8. <Left Border> Move the speed dome camera to the target position and set it as the left border of the zone.

Zone No.	1
	Left Broder Right Broder Delete

<Right Border> Move the speed dome camera to the target position and

set it as the right border of the zone.

**<Delete>**Delete the target zone.

<**Set Origin**>Move the speed dome camera to the target position and set it as original point of the coordinate.

**<Set North>**Move the speed dome camera to the target position and set it as north direction of the coordinate.

#### 6.2.5 Motion Schedule

Activate different motion (Presets, Scan, Cruise and Pattern) for different time period.

Audio Video Set										
▼ Dome Set	Motion Schedule									
HD Param										
HD Schedule	Schedule	Friday					*	Enable		
Basic Set		Start Time			End Tim	e	Action		Action No.	
Motion Set		00:00		$\sim$	00:00	A	None	~		~
Motion Schedule		00:00		$\sim$	00:00	4.2	None	~		~
···· IR Set		00:00		~	00:00	~	None	~		~
Status Info		00.00			00.00	×	Mana			
▶ VCA		00:00		~	00:00	÷	None	~		¥.
▶ OSD		00:00		~	00:00	÷	None	*		~
Storage Management		00:00		$\sim$	00:00	4 V	None	~		~
Network Management		00:00		$\sim$	00:00	* ×	None	~		$\sim$
User Management		00:00		~	00:00	0	None	~		~
Alarm Management		Comu To								
PTZ Management		Cupy 10	A		-	-			_	
Advance Set		Sun	Mon		Tue	Wed	The	u 🗹 Fri	Sat	Apply
		Save								

- <Enable> Enable the setting.
- **<Start Time>**Start time for the motion.
- <**End Time**>End time for the motion.
- **<Action>**Motion in this time period.

<Action No.>Motion number, Preset 1-8, Scan 1-4, Cruise 1-4, Pattern1-4.

<All>Enable every day in a week, including Saturday and Sunday.

<Apply>Click to copy the configuration to the selected day.

**<Save>**Save all the setting.

#### 6.2.6 IR Set

Audio Video Set     Dome Set	IR Set
HU Param	Channel No. Channel 1
Basic Set	Zetad untz zity zity zity zity zity zity zity zi
Motion Set Motion Schedule	Zoom Match ON
IR Set	Near Lanp Brightness
► VCA	Far Lamp Brightness
OSD     Storage Management	Save
Network Management	
<ul> <li>User Management</li> <li>Alarm Management</li> </ul>	
PTZ Management	
Advance Set	

<Control Mode>Auto, Manual Open, Manual Close.

<**Zoom Match**>When it is ON, the brightness and power consumption of the IR LED will be matched with the camera zooming distance automatically.

<**Near Lamp Brightness>** Disable zoom match, set the Near lamp brightness level, range from 0 to 10.

<**Far Lamp Brightness>** Disable zoom match, set the far lamp brightness level, range from 0 to 10.

**<Save>** Save all the setting.

#### 6.2.7 Status Info

It shows current status information of speed dome.



# 6.3 VCA

<VCA>, also called <IVA> / <IVS>, to setup the video intelligent analysis of speed dome camera.

#### <Enable> enable the VCA function.

Tripwire

Perimeter



#### **6.3.1 Event Parameters**

The speed dome camera supports 2 rules of VCA<Tripwire> and <Perimeter>. <Tripwire> Draw a tripwire on the screen, when objects cross the tripwire, it would trigger alarm; **<Perimeter>** Draw an area on the screen, when objects enter it will trigger alarm.

(1)**<Enable>** enable VCA function on current channel.

Channel No. Channel 1 The Enable			
<valid> activate the rules and start setting.</valid>	Rule ID	1	Valid
<rule name="">Give a rules name(max to 16 characters).</rule>	Rule Name		Rule Clear
Notes Max 2 rules available on the same video	Event Set	Perimeter 🔹	Line Clear
channel.	Detect Mode	Intrusion	
(2) <event set=""></event>	Alarm Color	Red	
Choose the rules <b><tripwire></tripwire></b> / <b><perimeter></perimeter></b> .	No Alarm Color	Green 💌	
<pre><detect mode=""> For <perimeter> detection, include</perimeter></detect></pre>		Show Alarm Count	
<intrusion>/<enter>/<leave>.</leave></enter></intrusion>		Show Alarm Rule	
<intrusion> alarm when object come in/out.</intrusion>		Save	
<enter> alarm when object come in.</enter>		3476	
<leave> alarm when object go out.</leave>	_		
(3) <show alarm="" count="">show the total alarm times.</show>	Rule ID	[1 ▼	Valid
<show alarm="" rule="">show the tripwire/perimeter on</show>	Rule Name		Rule Clear
video.	Event Set	Tripwire	Line Clear
<two-way alarm="">when selected <tripwire>, choose</tripwire></two-way>	Alarm Color	Red 🔻	
the"two-way alarm", then two directions cross will both	No Alarm Color	Green	
trigger alarm.		Show Alarm Count	
<line clear="">clear current lines drawn on video.</line>		Show Alarm Rule	
<rule clear="">clear current rule.</rule>		Two-way Alarm	
(4) <b><save< b="">&gt;Save and enable the VCA setting.</save<></b>		Save	
Notes VCA will be activated in the whole week as default.	· · · · ·	Jave	
For enorific setting on alarm schodule places go to			

Notes VCA will be activated For specific setting on alarm schedule, please go to <Alarm Set>.

# 6.3.2 Alarm Set

Setup VCA activation schedule.

(1)<**Channel No.>** select the target channel

Channel No.	Channel 1 VCA Enable
Rule ID	1
Rule Name	
Event	Tripwire 👻 🔲 Enable

31

**<VCA Enable>** Indicate the VCA status of the current channel.

(2)<**Rule ID**> Connected to the setup VCA rules in **<Event Param>**, when select rule ID, it will bring out setup information of **<VCA Enable>**, **<Rule Name>** and **<Event>**.

**<Enable>** Enable the setting of **<Schedule>** to setup the day and time of the VCA activation.

Schedule	Thursday			•			
	00:00	×	00:00	A. V			
	00:00	× N	00:00	A V			
	00:00	×	00:00	A V			
	00:00	×	00:00	A. V			
	Сору То 📃 А						
	Sun Mor	n 📃 Tu	e 📃 Wed	🔽 Thu	🔲 Fri	🔲 Sat	Apply

(3)<Schedule> Schedule alarms. 4 time periods

selectable in a day.

<Apply> enable the setting.

- (4)<Link Type>
- <Link Out> alarm output.
- <Link Rec> activate recording.

<Link Snap> activate snapshot.

**<Save>** Save to enable setting.

## 6.3.3 Alarm Information

Check alarm info.

<**Reset**>Clear alarm numbers of the VCA rule.<**Clear**>Delete all the alarm information in list.

Link Type	Lin	k Out	t						•	J		
(	Chann	nel No	). 🕅 A	di .								
	1	2	3 4	5 6	7 8	9 1	10 11	12	13	14	15	16
	-	-			í Ó Ó	, mi			_	-	_	
	17	10	10 20	21.22	22.2	1 25 2	26 22	2 20	20	20	21	22
	1/	10	19 20	21 22	23 2	1 23 2	20 21	20	29	20	51	52
		Sav	e									
Alarm Info												
Alarm Info Channel No. (g Alarn Time	Channel 1 Chan No.	Rule ID	• Target ID	) State	Event		Rule ID 1				•	
Alarm Info Channel No. ( Alarm Time	Channel 1 Chan No.	Rule ID	▼ Target ID	) State	Event	R	Rule ID 1				•	Reset
Alarm Info Oterrel No. ( Alarn Time	themel 1 Chen No.	Rule ID	▼ Target ID	) State	Event	R	Rule ID 1				•	Reset
Alarm Info Orarnel Na. (g Alarm Time	Jamel 1 Chen No.	Rule ID	Target ID	) State	Event	R	Rule ID à				•	Reset
Alarm Info Charnel No. (g	Dannel 1 Chan No.	Rule ID	Target ID	State	Event	R.	Rule ID &				•	Reset
Alarm Info Charrel No. (g	Damel 1	Rule ID	• Target ID	) State	Event	R	Rule ID J				•	Reset
Alarm Info Charrel Na. (g	Chan No.	Rule ID	Target ID	) State	Event	R.	Rule ID <u>8</u> Lule Name				•	Reset
Alarm Info Oxernel No. (g	channel 1 Chan No.	Rule ID	• Target ID	State	Event	R	Rule ID <u>k</u> Lule Name				•	Reset
Alarm Info Osarra Info Alarm Time	Chan No.	Rule ID	Target ID	) State	Event	R	Rule ID <u>B</u>				•	Reset
Alam Info Osmala (	Chan No.	Rate ID	Target ID	State	Event	R	Rufe ID <u>ji</u> Lufe Name				•	Reset

6.4 OSD

6.4.1 OSDChannel Name(1)<Channel Name> Input channel name,



then it will show on screen.

- (2) **<Customize Position>** drag **<Channel Name>** to the target position on screen.
- (3)**<Color>** Choose your favorite color.

#### Date

- (1) **<Date>** Display date on screen.
- (2) **<Show Week>** Display week on screen.
- (3) <Customize Position> drag <Date> to
- the target position on screen.
- (4)**<Color>** Choose your favorite color.

#### **Additional Text**

(1)<**Additional Text>** 5 areas available to put additional text on the screen.

(2) <Customize Position> drag <Date> to

- the target position on screen.
- (3)**<Color>** Choose your favorite color.

#### **OSD Size**

<Adjust-Self> Edit OSD size.</br><Save> Save all settings.

🔽 Channel Name	Channel 1		
	Customize Position	Color	White 🔽
🗹 Date	2014/02/07		~
	Customize Position	Color	White 🔽
	Show Week		
	⊙ 24 hours 🛛 ◯ 12 hou	Jrs	
Additional Text	1		*
			~
			~
	Customize Position	Color	White 🔽
OSD Size	Adjust-Self		*
	Save		

# 6.4.2 LOGO

Add LOGO picture on screen.

Notes logo picture format must

be .bmp, and must be follow the size.

<LOGO File>,<Browse> to select logo picture, and<Upload>

**Notice** Device will restart after upload (1)After restart, select<**Enable>** to show the logo on screen.

(2)Enable<**Customize coordinate Pos>** to put the logo on the target position on screen where you click.

LOGO File(*.bmp)	Browse Upload
	Enable Customize coordinate(click video window)Pos Requirements on the image format: 1.The bitmap depth must be 24. 2.The size shall be less than 200*200, and the height and width shall be multiple of 4.

#### 6.4.3 Video Cover

Add up to 4 cover areas on the screen.

- (1)<Channel No.> Choose target channel.
- (2)<Draw Region> Check to enable.
- (3)Draw cover area on screen



(4)<Clean Area> Delete all cover areas.

#### 6.5 Storage Management

#### 6.5.1 Record Policy

Setup recording schedule.

(1)<Channel No.> Choose target channel.

(2)<Record Status> Display current record status.

(3)Select recording type(multiple-choice)

<Manual Rec> Check to start recording.

<**Alarm Rec>** Recording will be activated by alarm.

<**Task Rec>** Timing recording, 4 time periods settable for one day.

(4)<Offline Video> When it is ON, the device will follow the schedule of <Task Rec> when offline.(5)<Save> Save.

#### 6.5.2 Pre-recorded Alarm

<**Pre-recorded Alarm**> record before alarm, or continue to record after alarm.

(1)**<Channel No.>** Target channel.

(2)**<Pre-recorded Alarm>** Check to enable.

(3)**<Pre-record Time>** Record before alarm.

(4)**<Record Delay>** Continues to record after alarm.

(5)<**Save>** Save.

#### 6.5.3 Storage Set

<Pack by time> Pack the record files by time.

<Free Disk> Pack the record files by size.

**<Strategy>** Select how to handle the record files when the disk is full.

**<Stop Rec>** Stop record new files.

<Cycle Del> Delete the earliest record files.

## <Cycle Del (Except Alarm)>

Delete the earliest record files except event record files.

<Save>

- 6.5.4 Snapshot Set
- (1) **<Channel No.>** Select target channel.
- (2)<Timing capture> Enable timing capture

(3)<Interval(s)> Set how much internval times

34

Record Policy		
Channel No.	Channel 1	
Record Status	Stoped 🗸	
	│ Manual Rec  ✔ Alarm Rec  │ Task Rec	
Schedule	Friday	
	00:00	
	00:00	
	00:00	
	00:00	
	Copy To All Sun Mon Tue Wed Thu	🗸 Fri 🔄 Sat 🛛 Apply
Offline Video	OFF P	rompt video recording with Internet disconnected, a
	Save	

Pre-recorded Alarm	
Channel No.	Channel 1
	Pre-recorded Alarm
Pre-record Time (5-15)s	10
Record Delay (10-60)s	10
	Save

Storage Set	
Storage Policy	
💽 Pack by Time	30 v (10~60)Min
Free Disk	900 (>=200)MB
Strategy	Cycle Del
	Save

Snapshot Set	
Channel No.	Channel 1
Timing capture	Disable
Interval(s)	3
Capture Link	Link FTP Link Email
	Save

between two snapshots.

(4)<Link FTP>snapshot and upload to FTP server.

(5)<Link Email>snapshot and send to target email.

(4)<Save>

6.5.5 Disk Information

<Initialize Disk> format the disk

#### 6.5.6 Network Storage

(1)<Device No.> Select disk.

(2)<Status> Show current disk status information

(3)<Usage> Shows purpose of disk.

(4)<IP Address> Setup IP address of <Network Storage>.

(5)<Mapping Path> Setup disk path of mapping.

(6)**<Total Size(M)>** Shows used and total capacity of the disk.

(7)<Save>

Net Storage	
Device No.	1
Status	UnMounted 🗸
Usage	Record
IP Address	0 , 0 , 0 , 0
Mapping Path	/nfs
	Save
Total Size(M)	e Space(0.00G) Total Size(0.00G)

## 6.6 Network Management

#### 6.6.1 Cable Network

<DHCP> check to enable DHCP server will automatically allocate IP address for devices. <IPv6> Display IPV6 address and subnet mask. <MTU> Maximum Transmission Unit, range from 500~1500, default value is 1500. <Ethernet Rate> Select mode and rate of Ethernet card, default mode is <Automatic Detection>, speed

unit is MB.

**Notes:** Devices will restart after change <Ethernet Rate>.

#### 6.6.2 Registration Center

Keep same settings as what you register in DDNS website .

35

		DHCP							
IPv4 A	ddress	192		168	•	1	•	201	
IPv4 Subne	t Mask	255		255		255		0	
IPv6 A	ddress	fe80::250:	c2ff:l	e28:89	988				
IPv6 Subne	t Mask	64							
Ga	iteway	192		168		1		1	
	DNS	192		168		1		1	
	MTU	1500							
		Automotion							_
Ethernet Ra	ate(M)	Automatic	Deter	tion					*
Ethernet Ra	ate(M)	Automatic	Dete	tion					*
Ethernet Ra	ate(M)	Save		tion					*
Ethernet Ra	ace(m)	Save		tion					~
Ethernet Ra		Save		tion					~
Ethernet Ra u manu Jos o Set		Aucomatic Save		tion					~
Ethernet Ra or Hand Sec or Sec age Management work Management		Aucomatic Save Registration Center Server Name IP1	NV55	s8.1.1					~
Ethernet Ra no face Sec	ace(M)	Automatic Save Registration Center Server Name IP1 Port1	NV55 192.16 6004	58.1.1					~
Ethernet Ra o Index Jec o Set age Management cable tetwork legistration Contro	ace(M)	Automatic Save Server Name IP1 Port1 IP2	NV55 192.16 6004	58.1.1 58.1.1					×
Ethernet Re o meet sec e Set age Management cale retork isole retork lethork Service P Filter	ace(M)	Automatic Save Server Name IP1 Port1 IP2 Port2	NV55 192.16 6004 192.10	18.1.1 18.1.1					~
Ethernet Re o naeo aec e se age Management age Nenagement ade Network elevrork Service P Filter r Management	ace(M)	Automatic Save Server Name IP1 Port1 IP2 Port2 User Name	MV55 192.16 6004 192.10 6004	58.1.1 58.1.1					•
Ethernet Ra o read box os de age Management ade Network Registration Center Jelle Network Pilter Management Management	ace(M)	Automatic Save Registration Center Server Name IP1 Port1 IP2 User Name Password	MV55 192.16 6004 QQ	58.1.1 58.1.1					~
Ethernet Ra	ace(M)	Automatic Save Registration Center Server Name IP1 Port1 IP2 Port2 User Name Password	MV55 192.16 6004 9Q •••••	58.1.1 58.1.1					•
Ethernet Ra	ace(M)	Automatic Save Server Name Port Port1 IP2 Port2 User Name Password	MV55 192.10 6004 192.00 6004 92.00 5a	ss.1.1 98.1.1 98.1.1					
Ethernet Ra au romo dec no Set ao transpement work Management august aben Center Velowork P Filter Management m Management m Management m Management m Management m Management m Management m Management m Management	ace(M)	Automatic Save Registration Center Server Name IP1 Port1 IP2 Port2 User Name Password	MVS5 192.16 6004 192.17 6004 99 99 99 99 99 99 99 99 99 99 99 99 99	58.1.1 98.1.1					

Audio Video Set			
Dome Set	Network Service		- 1
VCA			
OSD	DDNS		
Storage Management	FTP		
Network Management	▶ PPPoE		
Cable Network	INTP NTP		
Registration Center		-	_
Network Service	NTP Server	0	
IP Filter	Port	123	
<ul> <li>User Management</li> </ul>		-	
Alarm Management	Interval(n)	0	- 1
PTZ Management			
<ul> <li>Advance Set</li> </ul>		Save	
	D Other		
Registration Center	DDNS Domain	www.3322.org	
Registration Center	DDNS Domain	www.3322.org	_
Registration Center Notwork Service IP Filter	DDNS Domain Port	www.3322.org	
Registration Center Network Sorrico IP Filter I Ser Management	DDNS Domain Port User Name	www.3322.org	
Registration Center Vetwork Service IP Rer > User Management > Alarm Management	DDNS Domain Port User Name	www.3322.org 🛩	
Registration Center Netheorik Service IP Filer I User Management I PTZ Management	DDNS Domain Port User Name Password	www.3322.org ♥ 80 nvs	
Pegstration Certer IP Filter J User Management J Advance Set Advance Set	DDNS Domain Port User Name Password Password Confirm	www.3322.org	
Registration Center Phtwolf, Sorroco IP Pilter User Management PTZ Management PTZ Management Advance Set	DDNS Domain Port User Name Password Password Confirm	www.3222.org 💌 80 mvs ===	
Registration Center Internet Service IP Filer Jerr Management Adam Management PTZ Management Advance Set	DDNS Domain Port User Name Password Password Confirm	www.3322.org ✓ 80  nvs  •••  •••  •••  •••	
Registration Center Interverk Service IP Filter I User Management IP TZ Management IP TZ Management Advance Set	DDNS Domain Port User Name Password Confirm	WWW.3322.org         W           60	
Registration Center Hetwork Center IP Fiker I Bart Management Adram Management PTZ Management Advance Set	DDNS Domain Part User Name Password Password Confirm	www.3322.org         Image: Constraint of the second s	
Registration Center Internet Service IP Filer Usern Management PTZ Management PTZ Management Advance Set	DDNS Domain Port User Name Password Password Confirm	www.3322.org            80            nvs            ••••            ••••            Swe	
Pegstration Certer Network Scruce IP Filter > User Management > Alarm Management > PTZ Management > Advance Set	DDNS Domain Port User Name Password Password Confirm	www.3322.org           80           rivs           e           5ave	
Pegsbraton Corter IP Filer User Management Advant Management PTZ Management Advance Set	EDNS Domain Port User Nane Password Password Confirm I FTP I PrPoge I MTP	www.3322.org         V           60	

#### FTP

DDNS

website.

Make sure to insert the memory card.

Keep same settings as what you register in DDNS

6.6.3 Network Service



#### PPPoE

Check to enable PPPoE function, enter User name and confirm password.

Dama Cab		
P Dune Sec	Network Service	
VCA		
• OSD	DDNS	
Storage Management	FTP	
Network Management	PPPoE	
Cable Network		- Carable
Registration Center		Enable
Network Service	User Name	12345678
IP Filter		
User Management	Password	•••••
Alarm Management	Password Confirm	0000000
PTZ Management		
Advance Set		Save
	▶ NTP	
	Dener Ocner	
	11	

## NTP

<NTP Server> enter server address.

<Port> enter NTP server port.

<Interval> update interval.

#### Others

Set Http and Https port, Enable UPnP and SNMP functions.

#### 6.6.4 IP Filter

#### Blacklist

User want to block some IP address, select<Block the Following IPs>, input the block IP address and<Add>,<Save>.Max to add 16 blacklist IP address.

**Caution:** Please don't add your own IP address in blacklist, otherwise you will not be able to login.

#### Whitelist

User want to allow only some IP address, select <Allow the Following IP>, input trusted IP address, <Add> and <Save>. Max to 16 whitelist IP address.

**Caution:** Once enable the whitelist function, please make sure to add your own IP address in whitelist, otherwise you will not be able to login the device.

#### Cancel blacklist or whitelist

Anytime click<Allow All> and <Save> to cancel all the blacklist and whitelist.

Note: Please restart device after setup blacklist or whitelist.

# 6.7 User management

#### 6.7.1 Add User

<User name> add user, only English letter and figure

37

_		_	×
User Name			
Password			
Password Confirm			
Authority	Browse	*	
	Browse Browse+Control Browse+Control+Set Admin		



Save	Audo Wdeo Set     Come Set     VicA     VicA     OSD     Osd     Osd     VicA     Osd     Osd	Network Service
------	--	-----------------

are available. <Password> only English letter and figure are available. <Authority>: Browse: Can only watch the videos. browse+ control: Watch video and control PTZ. browse+ control+ set: Allow all operation except user management. Administrator: All operations available.

## 6.7.2 Modify password

Select the user you want to modify in the user list, click <Modify Pwd>,input the old password, new password, password confirmation, then click<Modify>.

## 6.7.3 Delete User

Select targeted user in user list and click [Delete] to delete.

User Name	Admin	
Old Pwd		
New Pwd		
Password Confirm		
	Modify	

# 6.8 Alarm Management

## 6.8.1 Alarm Input

IP Camera alarm input only has port1, alarm mode include closed circuit alarm and open circuit alarm. <ON>is closed circuit alarm.

<OFF>is open circuit alarm.

<Link Out>/<Link PTZ> activate alarm device or PTZ.

#### 6.8.2 Alarm Output

Alarm output only has port 1. <ON>is closed circuit alarm. <OFF>is open circuit alarm.

#### 6.8.3 Motion Alarm

(1)<Set Motion Detection Area> Check to draw area on screen.

(2)<Clean Area> Clean drawn area.

(3)<ICR-Sensitivity> set detection sensitivity, range from

0-100, 0 means the highest sensitivity.

(4)<Schedule> setup alarm arm schedule.

(5)<Link Out> set alarm activation.

▶ Audio Video Set			
▶ Dome Set	Alarm Input		
► VCA			
▶ 050	Input Port 1	💌 🔲 Enable	
Storage Management	Mode Set ON	¥	
Network Management			
User Management	Schedule Friday	×	
▼ Alarm Management	00:00	) 🐱 00:00	
Nam Input	00:00	00:00	
Alarm Output	00:00	a 00:00	
Motion Alarm	00:00	00:00	
Lost Alarm	Copy To Al		
Cover Alarm		Date Date Date Date	
Output Pc	rt 1		▼
Mode S	* ON		<b>*</b>
ICR-Sensitivity	Set Motion Detect Area	Clean Area 24	r'
	· •	2.	
Schedule	Friday	~	
	n 00:00 🔿 ~ 00:0		
		Y	
	00:00 🔅 ~ 00:00		
	D0:00	*	
		V	
	Copy To 📃 All		
	Sun Mon Tue	Wed 🗌 Thu 🗹 Fri 📃 Sal	t i
Link Type	Link Out	~	
	Channel All 1 2 3 4 5 6 7 8 9 1 1 2 3 4 5 6 7 8 9 1 7 18 19 20 21 22 23 24 25 1 1 2 20 21 22 23 24 25	10 11 12 13 14 15 16 26 27 28 29 30 31 32	



# 6.8.4 Lost alarm

Alarm when video lost.

- (1) Check to enable lost alarm for target channel.
- (2) <Schedule> Setup alarm arm schedule.
- (3) <Link Type> Link PTZ/no link.
- (4) <Link Channel>
- (5) <Link PTZ Type> no link/preset position/pattern/auto tour.

# 6.8.5 Cover Alarm

Alarm when camera lens is covered.

▶ Audio Video Set	
▶ Dome Set	Cover Alarm
▶ VCA	
▶ OSD	Channel No. Channel 1 🕑 Enable
Storage Management	ICR-Sensitivity 24
Network Management	
User Management	Schedule Priday V
▼ Alarm Management	
Alarm Input	
Alarm Output	
Motion Alarm	
Lost Alarm	
Cover Alarm	Sun Mon Tue Wed Thu VIPri Sat Apply
Email Alarm	
Alarm Server	Link Type Link prz 🗸
PTZ Management	Link Channel Channel 1
Advance Set	Ink PT7 Tune The Laboratory Tune Table
	Link FL 1740
	Number
	Save

#### 6.8.6 Email Alarm

(1)<Email Alarm Enable> check to enable sending email after alarm.

(2)Set sending email information:

<SMTP server> <SMTP port><Email

Account><Email Password>

## (3)<Email Mode>

(4)Input receive email address, support up to



4 email address.

#### 6.8.7 Alarm Server

Set alarm server's IP address and port number,

Audio Video Set					
Dome Set	Alarm Server				
▶ VCA					
▶ OSD	Alarm Server	255 .	255 .	255 .	255
Storage Management	Port	0			
Network Management	- For	<u> </u>			
<ul> <li>User Management</li> </ul>		Sava			
<ul> <li>Alarm Management</li> </ul>		2046			
Alarm Input					
Alarm Output					
Motion Alarm					
Lost Alarm					
Cover Alarm					
Email Alarm					
Alarm Server					
PTZ Management					
Advance Set					
	][				

# 6.9 PTZ Management and Control

PTZ management mode: <Serial Port Set>and<Protocol Set><Serial Port Set>:

<Port Name>,<Baud Rate>,<Parity>,<Byte Size>,<Work Mode>

<Protocol Set>:

<Channel>,<Port Name>,<Protocol>,<Address>

Serial Port Set			- 1
Port Name	Com2	~	_
Baud Rate	9600	×	
Parity	None	~	
Byte Size	8	~	
Work Mode	Protocol Mode	~	
Protocol Set			
Channel	1	~	
Port Name	Com2	~	
Protocol	DOME_PELCO_P	~	
Address	1	*	
	Save		
			_

# 6.10 Advance

#### 6.10.1 Local set

(1)<Showing frame-rate and bit-stream information> check to display frame rate and bit stream on video.

(2)Set the save path of record files, snapshot, clips and download files.

(3)<Protocol Type> TCP, UDP or multicast.

(4)IP camera has only one channel, user can choose major stream or minor stream.

			Local Set	
	Showing frame-rate and bit-stream information		Channel No.	Channel 1 Major
Save record files to	d:\NetVideoBrowser\RecordFiles\	Browse	Fch 07	Channel 1 Major Channel 1 Minor 2014 16:35:05 Channel
Save snapshots in live view to	d:\NetVideoBrowser\CapturePics\	Browse	7	X N
e snapshots when playback to	d:\NetVideoBrowser\PlaybackPics\	Browse	Í.	
Save clips to	d:\NetVideoBrowser\PlaybackFiles\	Browse	**	
Save downloaded files to	d:\NetVideoBrowser\DownloadFiles\	Browse	Ŷ	A CARE ALL
Protocol Type	тср		~	
		_		

#### 6.10.2 System setting

(1)<System Time> Set time zone and time synchronous.

(2)<SystemInformation>Display information of CPU,Memory and FLASH.

(3)< Version Information >Display <SDK Version>,<Kernel Version>, <Web Version> and<Factory ID>.

#### 6.10.3 System Maintenance

System maintenance includes <Equipment Control>and <Version Upgrade>. (1)<Equipment Control> <Restore> Reset to factory default. <Reboot> Reboot the device. (2)<Version Upgrade> upgrade new firmware. (firmware format: .box/.bin) Upgrade process normally needs a few minutes until indication for completion.

Language and Timezone				- 11
System	Time	2014/02/07 16:34:41	Synchronus	- 81
Re	egion	GMT+08:00	*	- 81
Daylight-Saving	Time	Enable		- 81
Start	Time	Jan 🗸 First 🗸 Sun	✓ 00 ✓ 0 <sup>1</sup>	clock
End	Time	Jan 🗸 First 🗸 Sun	✓ 00 ✓ o'	clock
DST	r Bias	120min	*	- 81
		Save		- 81
System				1
Equipment Control				-81
	Res	tore		
Version Upgrade	Reb	001		-81
Upgrade File	(*.bin)or	r(*.box)	Browse	ade
				- 80
	-			

**Caution:** Please strictly follow the instruction by technical specialist for firmware upgrade.

# 6.10.4 Access Platform

PU set user can set the IP address and port number of<Register Server>,<Heartbeat Server>,<Alarm Server>and VSP's port number and VAP's port number. <Channel No. >support<Auto Filling Setting>function.

Register Server	192	-	168	1	 100	
Port	10102					
leartbeat Server	192		168	1	100	
Port	10102					
Alarm Server	192		168	1	100	
Port	2122					
Device ID						
Device Name						
VSP Port	8000					
VAP Port	9000					
Access Pass						
Channel No.	Channel 1				*	
Channel ID	0					
	Auto Filin	) Set	ting			
	Save					

PU set support 【SIP】 protocol setting.

Server IP	0 . 0 .	0 . 0
		• • •
Server Port	0	
Server ID		
Device ID		
User Name		
Password		
RegValidity	0	
Keep-alive	0	
Heartbeat Interval	0	
Heart Rate	0	
	Need to Register	

IP cameras support onvif V10, user can choose "enable".

Platform Enabled		
Platform List	onvif	📝 Enable

# **Chapter 7 Simple Problem-solving Methods**

symptom	Possible causes	Solutions
Power on no action,	Power supply is damaged or not enough power	Replace the power supply
No images,	Power cable fault	Corrected

Machine is not self checking	Line problems	Troubleshoot line, measure IP speed dome's voltage		
	Network line or switch damaged	Test by IP speed dome connect to PC directly		
but can't ping	IP speed dome's IP address and PC's IP address aren't in same network segment	Change IP address to insure they are in the same network segment and aren't conflict.		
	User name or password error	Check user name or password		
Ping is working normally, but can't login	Port number error	Check port number		
	Login account more than limit	Disconnect other client host		
	Login account more than limit	Connect video by proxy server		
No video after login	Camera is damaged	Check log record		
	Parameter setting error	Restore the default parameters		
Image is not stable	IP address conflict; MAC address conflict; broadcast storm	Check network setting		
inage is not stable	Network line problem	Check network line		
	PC performance isn't enough	Check CPU utilization, reduce code stream or resolution		
Image is not stable, delay,	Frame rate is low	Change frame rate in more than 20		
	The network bandwidth shortage	Replace the gigabit switches		
	Decoder's performance isn't enough	Change decoder		
IP Speed dome can't be controlled	Serial port Settings error	Check and change serial port number to "COM2"		
	Protocol, Baud rate, address error	Check IP speed dome's protocol, baud rate and address		
IP Speed dome	Power supply isn't enough, voltage isn't stable	Measure IP speed dome's voltage to insure stability		
again	PPPOE dialing failed	Check and change dialing parameter		

Camera is damaged	Replace the camera	
Parameter setting error	Restore the default parameters	

# **Chapter 8 After-sales Service**

The HD Network IR speed dome products, the company offers one-year warranty. Product warranty, the company provides a free service, but if any of the following circumstances, is charged fee for material costs work:

- Do not operate in accordance with the provisions of the manual
- The speed dome damage caused by a case of the lightning strikes, fires and irresistible natural disasters;
- Matching problems arising from poor design to other manufacturers products cause damage;

Company statement

• As we continue to introduce new technologies and product specifications are subject to change without prior notice.

# **Appendix I Lightning and Surge**

Outdoor Dome Camera need to consider lightening, anti-surge, on the premise of ensuring electrical safety, may take the following measures:

- Signal transmission lines and high voltage equipment or high voltage cables must be at least
   50 meters distance between;
- Try to choose outdoor wiring along the eaves line;
- For open field must be sealed steel tubes buried cabling, grounding and steel pipe, the absolute prohibition of the use of overhead wiring;
- In areas of severe thunderstorm or high-voltage area (such as high-voltage substations), lightning protection equipment, as well as for additional installed power must be taken measures such as installing lightning rods
- Outdoor lightning protection and grounding design of devices and circuits must be combined with building mine requires unified consideration and in accordance with the requirements of the relevant national standards, industry standards;
- System must be equipotential earthing. Earthing system anti-interference must be met and the dual requirements of electrical safety, and shall not be mixed with strong power network neutral wire shorted or separately when grounding, grounding impedance less than 4 ohms, ground wire cut-area must be not greater than 25mm2 lines shorted



# Appendix II::Hoisting construction Guide



