XtendLan XL-ICA-641M2 Camera User Manual



Read the user manual carefully before using this product

Important Safeguards

- During the course of transportation and storage, the product should be avoided from incorrect operations such as heavy pressing, strong vibration, soaking etc, which may cause damage to the unit.
- 2. The product is designed for wall-mount and pendant-mount installation, it can not be installed upside-down. And the module should be handled properly so as not to bring about mechanical problems affecting the integrative functions of it.
- Do not let any foreign objects or liquid infiltrate into the unit, which may damage the machine.
- 4. Please follow all electrical standards for safety when it is being connected and adopt the particular power supply which is provided with the unit. The product adopts TVS-class lightning damage preventing technology, which can effectively prevent such pulse signal damage caused by lightning under 500W or electric surge. Video signal should be kept enough distance from high voltage equipment and cables when they are in transmission, and necessary steps should be taken to prevent lightning damage or power surge.
- 5. No matter the unit is ruining or not, the camera should never be aimed at the sun or object with extremely bright light. Otherwise, the

camera's CCD might be permanently damaged.

6. There are no parts inside the unit which can be repaired by the users themselves. When mechanical problems arise, do not be in a haste to do any repairing, please refer to the User's Manual to find the trouble. If causes can not be located, please refer servicing to qualified professionals. All servicing must be done by authorized personnel.

Table of Content

1]	Product Description	1 -
	1.1 System Requirement	1 -
	1.2 Product Description	1 -
	1.3 Product Feature	2 -
	1.3.1 PTZ Performance	2 -
	1.3.2 Network Performance	4 -
2	Connection Mode	8 -
	2.1 Direct Connection	- 8 -
	2.2 Network Connection	8 -
	2.3 Power On	9 -
	2.4 Camera Protocol, Bit Rate, Address Setting	10 -
	2.5 HD IP IR High-speed Dome Camera Hot Key List	10 -
3	PTZ and Camera Function	13 -
	3.1 PTZ Control	13 -
	3.2 PTZ Function	14 -
	3.2.1 Preset Position Calling	14 -
	3.2.2 Patrol	16 -
	3.2.3 Pattern	17 -
	3.2.4 Auto Pan	19 -
	3.2.5 Idle setting	20 -
	3.2.6 Area setting	22 -
	3.2.7 IR light	22 -
	3.2.8 Status	23 -
	3.3 PTZ setting	25 -
	3.3.1 PTZ function	25 -
	3.3.2 OSD Information	27 -
	3.3.3 Data delete	27 -
	3.3.4 OSD attribute	28 -

3.3.5 Alarm setting	29 -
3.3.6 Title setting	29 -
3.3.7 patrol setting	29 -
3.3.8 Other setting	- 31 -
3.4 Camera setting	32 -
3.4.1 Auto Recovery	32 -
3.4.2 Lens Data	34 -
3.4.3 DSS	36 -
3.4.4 AE Mode	36 -
3.4.5 AWB	37 -
3.4.6 BLC	38 -
3.4.7 Image setting	38 -
IP Function	40 -
4.1 Log in	40 -
4.1.1 Device log in	40 -
4.1.2 Home Page Instruction	43 -
4.1.3 Home Page Instruction	44 -
4.2 Video record	46 -
4.3 Log out	47 -
4.4 System setting	47 -
4.4.1 Basic information	47 -
4.2.2 Time setting	48 -
4.2.3 System operation	49 -
4.2.4 System update	50 -
4.2.5 Users manage	51 -
4.2.6 System state	52 -
4.2.7 System log	54 -
4.2.8 SCM update	54 -
4.3 Network setting	55 -
4.3.1 Ethernet	55 -
	3.3.5 Alarm setting.3.3.6 Title setting.3.3.7 patrol setting.3.3.8 Other setting.3.4 Camera setting.3.4.1 Auto Recovery.3.4.2 Lens Data.3.4.3 DSS.3.4.4 AE Mode.3.4.5 AWB.3.4.6 BLC.3.4.7 Image setting.IP Function.4.1 Log in.4.1.1 Device log in.4.1.2 Home Page Instruction.4.1.3 Home Page Instruction.4.2 Video record.4.3 Log out.4.4.1 Basic information.4.2.2 Time setting.4.2.3 System operation.4.2.4 System update.4.2.5 Users manage.4.2.6 System state.4.2.7 System log.4.3 Network setting.4.3.1 Ethernet.

4.3.2 PPPOE	56 -
4.3.3 DDNS setting	56 -
4.3.4 Net port	57 -
4.3.5 Email setting	- 58 -
4.3.6 FTP setting	58 -
4.3.7 Network setting	59 -
4.4 Audio and video	61 -
4.4.1 Video channel	61 -
4.4.2 Video parameter	62 -
4.4.3 Video setting	65 -
4.4.5 Extend setting	65 -
4.5 Vedio capture	66 -
4.5.1 Front end record	66 -
4.5.2 Remote record	69 -
4.5.3 Disk status	70 -
4.6Alarm setting	70 -
4.6.1 alarm setting	71 -
4.6.2 Video loss	72 -
4.6.3 Link attr	73 -
4.6.4 Alarm linkage	74 -
4.7local setting	75 -

1 Product Description

1.1 System Requirement

- 1) Operation System: Microsoft Windows XP/2003/Vista/WIN7.0
- 2) Browser: Microsoft Internet Explorer 8.0 above
- 3) Hardware requirement: CPU: Intel Core 2 Duo E4600 / 2.4 GHz

or above

Internal Storage:	1GB or above
Graphics card:	Nvidia GeForce 8600 GT or above
Network card:	10/100Mbps

1.2 Product Description

With the rapid development of our society, increasing requirement towards security product has been aroused in, and communication technology has greatly pushed forward the progress of security industry.

HD IP IR high speed dome camera is a new generation of network video monitoring terminal, with clear CMOS sensor and high-performance IP processor chip, which secures full frame rate and HD liquidity sport video. The camera supports video coding compression and data transportation, with which users can get access to the real time remote image and voice. At night time, camera can give out the infrared light which cannot be seen by human eyes. The PTZ out casing has high protection level and great ability to prevent attack and destroy, it can be widely used in the field like protection & security, transportation, banking, electric system, medical system, etc.

1.3 Product Feature

1.3.1 PTZ Performance

- Self- developed of HD integrated zooming lens camera module, 1/3"CMOS.
- DSP & sophisticated step motor lead to accurate focusing and HD imagery.
- Delicate and compact structure facilitates easy installation & cabling.
- Entire aluminum alloy sealed structure, with excellent heat dispersion &IP66.
- IR-III design support high grade luminescence efficiency, long illuminate distances, evenly distribution of optical field, long life-span.

- Built-in defogger ensures clear picture capture with no frog internally.
- PTZ can flip automatically and accommodate to the control of focal length.
- Preset position, Auto Pan, patrol, pattern can be set.
- PTZ operating states can be cheek through long-distance.
- Guard function: can be linked to preset position, patrol, Auto Pan, pattern, etc.
- Support 3D smart positioning, click-tracing and amplification can be achieved through IE browser.
- EEPROM data storage method, storage data will not be lose when the electricity is off, PTZ can return k to the position after electricity on.
- Remote updating function: SCM update, auto system update, camera update.
- Low power consumption: DC12V; less than 8W when IR off, Max.
 Power consumption is 18W when power on. Support solar power supply.

1.3.2 Network Performance

- H.264 video compression leads to high compression rate with good image quality; support dynamic code rate control.
- Built-in Web Server makes monitor, configure, and manage on IE possible.
- Network self-adjustable function: video transport frame rate can be adjusted automatically according to the network bandwidth.
- Support multiple stream output with 1080P/ 720P/ D1/ CIF/ QCIF.
- Support multiple users log in; log on privilege can be set.
- Image parameter can be adjusted.
- Support snap.
- Support move detection.
- Support local and front-end video record and playback.
- Support standard streaming media, third-party media players can play the live video and replay files.

1.4Technical Data

	Image Sensor	1/3",1.3Mega CMOS Sensor	1/2.9"2 CMOS	.43Mega Sensor	
	Pixels	1.3MP	2.0MP		
	Horizontal Resolution	720P	1080P		
	Video Standard	1280*720/25/ 30P	1920*1 0*720/2	080/25/30;128 25/30	
Camera	Min. Illumination	0.3LUX@F1.	0.3LUX@F1.6 IR off,0LUX@IR on.		
	Gain Control	0~255 adjust	table ste	p4	
	S/N Ratio	>50dB	>50dB		
	White Balance	auto/ indoor/outdoor/ manual/ ATW			
	WR	WDR			
	DNR	2D off & low/middle/ high optional			
	Shutter Time	1/12.5~1/100	1/12.5~1/10000 S		
	Focal Length	5.6mm~100.8mm			
	Optical Zooming	18X 20X			
Lens	Lens	F3.5~F1.6			
	Visual Angle	horizontal:48. 3.1°	3°~	horizontal: 54.8°~3.4	
	Video Compression Standard	H.264			
Network	Audio Compression Standard	AMR,G.711			
	Max. Frame Rate	720P 25 frame frames /s	es /s	1080P 25	

		1280*720(720P),720*576(D1),352*
		288
	Video Resolution	(CIF) ,176*144(QCIF)
		1920*1080 (1080P), 720*576
		(D1,352*288(CIF),176*144(QCIF)
		720P/D1/CIF/QCIF
	Code Stream Type	1080P/D1/CIF/QCIF
	Audio Compression Code Rate	16Kbps~8Mbps
	Image Delay	<200 millisecond(LAN)
		RJ-45 10/100M network
	Internet Interface	self-adjustable
		RTSP/RTP/RTCP/HTTP/HTTPS//F
	Internet Protocol	TP/DHCP/MUDP/SMTP/CIFS/UPN
		P/PPPOE/NTP/DDNS
	Device End Stemas	TF card maximum support 16G
	Device Life Storage	(optical)
	Trigger Condition	move detection/ video loss
		Sensitivity:1~100 adjustable, linkage
	Move Detection	alarm can be set
	V. 1	Sensitivity:1~100 adjustable, linkage
	VIDEO LOSS	alarm can be set
	Manual Control of Don	0.1°~140°/S;Max: 115 °~160°/S
	Manual Control of Pan	adjustable, Max. preset speed:350°/S.
DT7	Manual Control of Tilt	0.1°~120°/S;Max. preset
Γ1L		speed:300°/S.
	Rotating Range	360° unlimited; tilt:0 ° $\sim 90^{\circ}$; Max.
		angle: 85 °~93 ° adjustable

HD IP IR High-speed Dome Camera User Manual

	8	
	Auto Flip Function	180° when vertical
		PTZ speed auto-adjusting per focal
	PIZ control	length
	Left &Right Scan	4 groups
	Speed of Left& Right Scan	Level 1~256 adjustable
	Pattern	4 groups
	Preset Position	210
	patrol	4 groups
	Point of each patrol	1-24 presets of each
	3D Position	support
	Defrog Function	built-in defogger
	Remote Updating	support remote SCM update, auto system update, camera update
ID	IR Performance	6 high-power IR lamps, 2 micro laser
IK Doutoumonoo		lamps,IR distance :150M.
reriormance	Max. Consumption	10W
04	RJ45	Ethernet 10/ 100 M self-adjustable
Interface	DC Power Supply Interface	DC12V/3A
	Power Supply	DC12V±10% (3A)
	Max. Consumption	18W
Generic Specification	Working Condition	Temperature:-30℃ ~ 60℃;humidity:≤95% with out condensation
	Protection Level	IP66
	Weight	4.7Kg

HD IP IR High-speed Dome Camera User Manual

2 Connection Mode

2.1 Direct Connection

Connect the camera to PC by network directly.



IP address:192.168.1.217 Subnet mask:255.255.255.0 Gateway address:192.168.1.1

IP address:192.168.1.21 Subnet mask:255.255.255.0 Gateway address:192.168.1.1

2.2 Network Connection

Can connect the camera to internet, user can log in the device through client side software of browser.

There are two ways to connect to internet:



Through PPPOE and DDNS

• Through router, as below figure

HD IP IR High-speed Dome Camera User Manual



Network Connection Diagram

Attention: do not put the wire and network cable to places that will be easily touched by people, to avoid signal

2.3 Power On

- 1. Check the polarity of plug, socket and other connection, power on after confirmation
- 2. Camera will do self-checking, rotate 360° horizontally and 90° vertically for checking the camera lens, the electronic and machine structure for camera in horizontal and vertical status, after that, the camera will execute reset program and rotate to original. When the camera stop completely, the self-checking is finish and ready for controlling.

3. The continuous working time for dome camera is 18000H, please try to avoid keeping the dome camera working for long.

2.4 Camera Protocol, Bit Rate, Address Setting

The setting for HD IP IR camera protocol, baud rate and address is fix and can't be changed. After self-checking, the system information for camera is as below:

```
Protocol: PELCO-D
Baud Rate: 38400bps
Address: 1
Data Bit: 8
Stop Bit: 1
Parity Check: No
```

2.5 HD IP IR High-speed Dome Camera Hot Key List

Tip: some special functions don't have coordinate command in 'PELCO-D' protocol, in order to control these functions, we have switched the function for some common use command. Normally will switch by 'change preset position/set preset position', this function will be introduced in 4.1.3, below list the command switch form:

Item	Hot key Function	Call preset
		position
Set left/right scan	Set left/right scan1 left limit	210
	Set left/right scan1 right limit	211
	Set left/right scan2 left limit	212
	Set left/right scan2 right limit	213
	Set left/right scan3 left limit	214
	Set left/right scan3 right limit	215
	Set left/right scan4 left limit	216
	Set left/right scan4 right limit	217
Operate 360°scan	Operate 360°circle scan	220
	Operate left/right scan1	221
	Operate left/right2	222
Operate left/right scan	Operate left/right scan3	223
	Operate left/right scan4	224
Set left/right scan speed	Speed=20	225
	Speed=60	226
	Speed=80	227
Operate pattern	Operate pattern1	231
	Operate pattern2	232
	Operate pattern3	233
	Operate pattern4	234
Record pattern	Record pattern1	235
	Record pattern2	236
	Record pattern3	237
	Record pattern4	238
Stop record pattern	Stop current record	239

HD IP IR High-speed Dome Camera Hot Key List

Operate tour loop scan	Operate tour loop scan1	241
	Operate tour loop scan2	242
	Operate tour loop scan3	243
	Operate tour loop scan4	244
Delete tour loop scan	Delete tour loop scan1	245
	Delete tour loop scan2	246
	Delete tour loop scan3	247
	Delete tour loop scan4	248
Activate insert tour loop	Allow to insert tour loop preset	240
preset position	point	
Close insert tour loop	Cancel insert tour loop preset	249
preset position	position	
Insert tour loop preset	Insert preset position	1-209
position		
Return to default setting	Return to default setting	251

HD IP IR High-speed Dome Camera User Manual

3 PTZ and Camera Function

3.1 PTZ Control

1、PTZ Control



Name	Illustration	Remark				
	Module& PTZ Control					
Zoom+/Zoom-	Control the zooming times of camera					
	manually					
Focus+/Focus-	Adjust camera focusing manually					
Iris+/Iris-	Control the aperture of camera open & close					
R-Wiper/S-Wiper	Turn on & turn of the wiper	Not support				
PTZ Control						
Up	Direction of PTZ: up					
Down	Direction of PTZ: down					
Left	Direction of PTZ: left					
Right	Direction of PTZ: right					
Auto rotating	PTZ rotates 360°unlimited					
Speed	Set the rotating speed of PTZ	Range: 1-63				

3.2 PTZ Function

3.2.1 Preset Position Calling

Click the "Preset Position" menu, like the picture below:

Pre	set	Patrol	Pattern	A	utoPa	n
ld	le	Region	IR	5	Status	
	Pres	et1		Set		^
	210	PanLeftLim	it1	20h-	*	
	211	PanRightLir	nit1		=	11
	212	PanLeftLim	it2		-	11
	213	PanRightLir	nit2			11
	214	PanLeftLim	it3			=
	215	PanRightLir	nit3			1
	216	PanLeftLim	it4			11
	217	PanRightLir	nit4		-	
	Pres	et 210	Call	Clear		
	Tit	le: PanLeftL	.imit1	Set		-

1、Set preset position

Adjust the direction of PTZ to the preset position that you want to set ,drop down the preset list, choose the preset position formation, click "setting" button, and then finished.

Attention: users can set the preset position from 1 to 209 manually.

2、 Call preset position

(1) In the preset position list ,choose the preset position information ,then click the" calling" button.

3、 Clear preset position

In the preset position list, choose the preset position information, then click the "clear" button.

4. Set the title of preset position

In the preset position list, choose the preset position information,

modify the title of preset in the title text box, and click the "set" button.

Like the picture below.:



5. Special preset position calling

Number 210 to 251 are the special preset position of PTZ camera. Users can see the preset list in IE, double-click or choose the special preset information, click "setting" button, then the special preset has been called and the related function can be achieved.

Attention: The special preset positions in PTZ can only be called, users can not delete or modify them.

3.2.2 Patrol

Click :patrol" button, enter the menu below:

Preset	Patro	I Patt	ern	AutoPan
Idle	Regio	n IF	ર	Status
Pa	trol Path:	Patrol Pa	ith1	-
	Start	Stop	Del	ete
	Preset: F	reset002		
	Insert		Remov	e

This camera supports 4 patrols, each group can set 24 preset position max.

1. Insert / delete preset position in patrol

- (1) Insert : drop down the list of patrol path, choose the patrol information, then choose the preset position in the preset position drop down list, click "insert" button.
- (2) Remove : drop down the list of patrol path, choose the patrol information, then choose the preset position in the

preset position drop down list, click "remove" button.

2、Start patrol

Drop down the patrol path list, choose the patrol information, click "start" button.

3、stop patrol

Drop down the patrol path list, choose the patrol information, click "stop" button.

4、 delete patrol

Drop down the patrol path list, choose the patrol information, click "delete "button.

3.2.3 Pattern

Click the pattern menu, like the picture below:



This PTZ supports 4 groups pattern.

1、Record pattern.

- (1), drop down the pattern list, choose the number of each pattern.
- (2) click "start record" button, the PTZ starts to remember and record the scan path, users can set the moving path with PTZ control button.
- (3) click "stop record" button, the camera will stop record pattern.

2、 Operate pattern

In the drop-down list of pattern, choose the information of pattern, click "start".

3、Stop pattern

In the drop-down list of pattern, choose the information of pattern, click "stop".

4、 Delete pattern

In the drop-down list of pattern, choose the information of pattern, click "delete".

3.2.4 Auto Pan

Click "left & right" button, like the picture below:

Prese	reset Patro		Pattern	AutoPan
Idle	Regi	on	IR	Status
A	utoPan1			
	Start		Stop	Delete
	Left Lin	nit	Rig	nt Limit
	Scan Spe		20	

This PTZ supports 4 groups Auto Pan.

1、 set left limit position and right limit position

- (1) In the drop-down list of Auto Pan, choose the number of Auto Pan.
- (2) 、 Control PTZ to the left limit position through PTZ control interface, click "left limit ",and the left limit position of Auto Pan has been set.
- (2) Control PTZ to the right limit position through PTZ control interface, click "right limit ",and the left right position of Auto Pan has been set.

2, Start Auto Pan

In the drop-down list of left & right, choose the number of left & right, click "Start" button.

3、Stop Auto Pan

In the drop-down list of left & right, choose the number of left & right., click "stop" button.

4、 delete Auto Pan

In the drop-down list of left & right, choose the number of left & right., click "delete" button.

3.2.5 Idle setting

If there is no operation on PTZ during the setting time, the PTZ will execute the idle function and turn to the guard position which set before. The idle function supports preset position calling, patrol, Auto Pan and pattern.

Click the menu of "idle", like the picture below:

HD IP IR High-speed Dome Camera User Manual

Preset	Patrol	Pattern	AutoPan					
Idle	Region	IR	Status					
Residence Time: 30 Idle Function: Close								
Function No.:								
		Set						

- Input the time for idle waiting in the text box of residence time, unit is second.
- In the drop-down list of idle function, choose the function you want to operate, this dome camera support preset position calling, patrol, Auto Pan, pattern.
- 3、 After choose the function of guard Idle, then choose the right number of function. This dome camera supports preset position calling, 4 groups patrol, 4 groups Auto Pan, 4 group's pattern.

Click "set" button, the guard position idle function will start using. If there is on operation on PTZ during the setting time, the PTZ will execute the guard position function.

3.2.6 Area setting

Click the menu of "Region", like the picture below:

Preset	Patrol	Pattern	AutoPan	
Idle	Region	IR	Status	
The	device does	not support	Region	

Attention: This dome camera cannot support Region at present.

3.2.7 IR light

Click the menu of " IR ", like the picture below:



 Sensitive : Use mouse to move the scroll bar, set the light sensitivity level. The range is 0-10. 0 means IR light is off. 1-10 means 10 different level of sensitivity.

- 2. Switch mode: In the drop-down list of switching mode, users can choose 2 different mode of IR switching: light sensor mode & amount of camera light through mode.
- Bright mode: In the drop-down list, there are two modes: Indoor mode & Outside mode.
- 4. Control mode: In the drop-down list, there are two modes: auto control, light for short distance manually, light for middle distance manually, light for distance manually.
- Discount delay: In the drop-down list, time can be set from 0 to 20s.

3.2.8 Status

Click the button "Status", users can see the present operating condition of dome camera. Like the picture below:

HD IP IR High-speed Dome Camera User Manual

Preset	Patrol	Pattern Aut		AutoP	oPan		
Idle	Region	IR		Statu	ŝ		
Horizo	ntal Position:	180.23	°.		^		
Ver	tical Position:	85.00°					
1	Multi Position:	6Time					
3	Temperature:	1097					
	In_Pressure:	3300m	v				
o	ut_Pressure:	12520	mV		1		
Se	en_Pressure:	2330m	v				
i	Fresh Period:	1	(1-1	0)s			
н	and Fresh	Aut	o Fresh		1		

- Users can see the horizontal position, vertical position, zooming times of camera, Inside temperature of dome, inside voltage, outside voltage, light sensor voltage,etc.
- Click "manual refresh", the dome camera will refresh the present running state.
- 3、 Users can set the interval time of refresh cycle in the text box, the range is from 1s to 10s. Click "auto refresh", the dome camera will refresh the running state automatically information per interval time.

3.3 PTZ setting

3.3.1 PTZ function

Click the "PTZ function", and then enter the interface like the picture below:

Ptz		Dome	Camera			
PtzFunc	OSDInfo	DataDelete	OSDattributes			
Alarm	Title	Patrol	Other			
	Init Info	. None	~			
) (Temp.Uni	t: P	-			
F	an Control	: Close	-			
H	Hot Control	None				
A	uto Rebool	t None	~			
Re	eboot Time	: 23 : 59	Set			
F	Proportion: Zoom	al Open				
Ŷ	Tilt Range	: 85°				
F	^o an Speed	l: 140°/S	•			
j	Tilt Speed	: 62°/S				
1	Compass	Ck				

Temp. Unit: There are two modes of temperature: Centigrade degree & Fahrenheit degree.

- 2. Proportional Zoom: In the drop-down list, users can choose to turn on or turn off speed smart adjust. Switch on: the rotating speed of dome will linked to camera zooming times, the bigger the zooming times is, the slower the speed of dome is. Switch off: there is no linkage between speed of dome and zooming times of camera. The rotating speed is fixed with any zooming times.
- Tilt range: Rotating range can be set in the drop-down list from 85° to 93°.
- **4.** Pan speed: Horizontal rotating speed can be set in the drop-down list from 115°/s to 160°/s.
- 5. Tilt speed: Vertical rotating speed can be set in the drop-down list from 52°/s to 70°/s.
- 6. Compass : Click "OK", camera will present horizontal coordinates position as the truth north direction, which is the direction of 0°.
- Attention : This camera is not support the function like initial information, fans control, heat control, auto restart.

3.3.2 OSD Information

Click "OSD information" and see the interface below:



Attention: This PTZ cannot support OSD information setting.

3.3.3 Data delete

Click "data delete", and enter interface like below:

Ptz		Dome	Camera	
PtzFunc	OSDInfo	DataDelete	OSDattributes	
Alarm	Title	Patrol	Other	
		Delete Preset elete AutoPan Delete Patrol velete Pattern		

- Delete preset : Click the "delete preset", users can delete the information of preset position and clear out the information from the list.
- Delete Auto Pan: Clicks "delete Auto Pan" and users can delete the information of Auto Pan.
- 3 Delete patrol: Click "delete patrol", and users can delete the information of patrol.
- 4. Delete pattern: Click "delete pattern", and users can delete the information of pattern.

3.3.4 OSD attribute

Click "OSD attribute" and enter the interface below:



Attention: This dome camera cannot support the function of setting character attribute.

3.3.5 Alarm setting

Click "alarm" and enter the interface below:

Ptz			Dome	Camera	
PtzFunc	OSDIn	fo	DataDelete	OSDattributes	
Alarm	Title		Patrol	Other	
TI	ne devic	e	does not supp	oort Alarm	

Attention: This dome camera cannot support the function of alarm

setting.

3.3.6 Title setting

Click "title setting" and enter the interface below:

Ptz			Dome	Camera				
PtzFunc	OSDIn	fo	DataDelete	OSDattributes				
Alarm	Title		Patrol	Other				
Т	The device does not support Title							

Attention: This dome camera cannot support the function of title setting.

3.3.7 patrol setting

Click the "patrol" and enter the interface below. Users can modify

the patrol information, the preset position of patrol, the dwell time of preset position.

	Ptz		-	Do	ome			Car	nera	
PtzF	unc	OSE	OInfo	DataDelete		OS	OSDattributes			
Ala	m	Ti	tle		Patro			Other		
Patrol Path: Patrol Path1 🚽										
#	Pre	eset	Dw Tir	vell me	# Preset		set	Dwell Time		
1	1	-	3	-	2	2	-	3	-	
3	3		3	-	4		-	3		
5		-	3	-	6		-	3	-	
7		-	3	-	8		-	3	-	
9			3	-	10		-	3	•	
11			3		12			3		
13		-	3	-	14		-	3	-	
15		-	3	-	16		-	3	-	
17		-	3	-	18		-	3	-	
19		-	3		20			3		
21		-	3	-	22		-	3	-	
23		•	3	•	24		-	3	-	
25			3		26			3	-	
27			3		28			3	-	
29		-	3	-	30		-	3	-	
31			3	-	32		-	3	-	
		Sav	e	s	tart		Dele	te		

- In the drop-down list of patrol path, choose the path number. This dome supports 4 paths.
- 2 In the drop-down list of preset, users can set or modify the information of preset. In the list of Dwell Time, users can choose
the staying time of each preset. Each patrol can set 32 preset positions. This dome supports 24 preset positions at present.

3. Click "save", the patrol information will be saved.

Click "start", the dome will operate the patrol.

Click "delete", the dome will delete the patrol information.

3.3.8 Other setting

Click "Other", and then enter the interface below. Users can see the initialization information, and can restart or default the camera.

Ptz		Dome	Camera							
PtzFunc	OSDInfo	DataDelete	OSDattributes							
Alarm	Title	Patrol	Other							
Initializ	ation Info	mation								
Dome Model:										
0	Dome Ver	sion: D72VER	2.01T1							
Ca	mera Ver	sion: R113V11	14							
	Pan Ch	ieck: Pass								
	Tilt Ch	ieck: Pass								
с	amera Ch	neck: Pass								
	Set	Clcok(comput	er)							
	Set Default									
	Dome Restart									
No	tice:Set d	efault is only c singlechip!	amera and							

- Initialization Information: Users can see the information like: dome software vision, camera software vision, dome model, PTZ pan check, PTZ tilt check and camera module check.
- Set Clock: Click "set clock", time of dome camera can match to computer.
- Set default: Click "set default", dome will recover to the default setting of SCM and camera.
- 4. **Dome restart:** Click "dome restart", the program of PTZ and camera will restart.

3.4 Camera setting

3.4.1 Auto Recovery

Click the menu of "auto recovery", and then enter the interface below:

HD IP IR High-speed Dome Camera User Manual



1、 Close auto rocker recovery:

In the drop-down list of rocker automatic, choose "close", the dome will close the function of auto rocker recovery.

2. Open auto rocker recovery

In the drop-down list of rocker automatic, choose "full open", dome will open the function of auto focus recovery and auto iris recovery. Users can set the interval time of auto focus & iris recovery. The range is from 3s to 16s.

3. Auto focus recovery

In the drop-down list of auto focus recovery, choose the focus option and dome will open the function of auto focus recovery. Users can set the interval time of auto focus recovery. The range is from 3s to 16s.

4. Auto iris recovery

In the drop-down list of auto rocker recovery, choose the iris option, and the dome will open the function of auto iris recovery. Users can set the interval time of auto iris recovery. The range is from 3s to 16s.

3.4.2 Lens Data

Click "lens" and then enter the interface below:

Ptz	Dome	ne Camei						
AutoRecovery	Lens	DSS	AEMode					
AWB	BLC	Image						
Lens Sliding S	peed: H	ligh						
Digital F	ocus: N	None 👻						
Automatic	Gain: A	Auto 💌						
Digital Redu	Noise ction:	None 🚽						
Image S	table: 🗅	None 🚽						
Freeze Fr	rame: 🗈	None 🚽						
Min. Focus Dist	ance: 3	30cm 🗾						
Day/Night St	witch: D	Day 💌						

 Lens sliding speed: Click the list, users can set the speed of lens changing. There are 3 modes of lens sliding speed: High/ Middle/ Low.

- Automatic Gain: Click the list, users can set auto gain data. There are 16 ranges can be chosen from -3db to 28db.
 Users can set different levels to adjust the brightness during nighttime.
- 3 Min.Focus distance: Click the list, users can set the level of min.focus distance. There are 5 different levels can be chosen:1cm、10cm、30cm、1m、1.5m. Users can choose the suitable distance according to the installing environment.
- 4 **. Day/night switch:** Users can choose the switch mode in the drop-down list.
- Auto: Camera can choose day mode or nighttime mode automatically according to level of IR sensor.
- Day: In this mode,. Camera is compelled to show the picture like the daytime. Picture is colorful even in nighttime.
- Night: In this mode, Camera is compelled to show the picture like the nighttime. Picture has no color even in daytime.

3.4.3 DSS

Click the button "DSS" and enter the interface below:



Attention: This dome cannot support DSS setting.

3.4.4 AE Mode

Click "AE mode" and enter the interface below.

Ptz	Dome		Camera		
AutoRecovery	Lens	DSS	AEMode		
AWB	BLC	Image			
Mode:	AutoMo	de	-		
SlowShutter:	1/25		*		
lris:			Ŧ		
Gain:	2dB		-		

 AE mode: Choose "auto mode" in the list, camera will exposure automatically according to light of outside environment. 2. Iris: Choose "iris", the camera will exposure according to the information of iris.

Attention: This camera can only support two modes: AE Mode & Iris. It cannot support shutter or gain mode.

3.4.5 AWB

Click "AWB" and enter the interface below:

Ptz	Dome	Camera		
AutoRecovery	Lens	DSS	AEMode	
AWB	BLC	Image		
Mode:	Auto			
Red Gain:	55	Ŧ		
Blue Gain:		-		

- Auto: camera will adjust the white balance according to information of outside environment.
- 2. Manual: Users can adjust the white balance manually according to the level of red/blue gain.
- Attention: This dome can only support two modes: auto & manual. It cannot support the mode like :auto tracking ,indoor, outdoor, auto locking.

3.4.6 BLC

Click "BLC" and enter the interface below:



Attention: This dome cannot support BLC at present.

3.4.7 Image setting

Click "image" and then enter the interface below:

Ptz	Dome		Camera
AutoRecovery	Lens	DSS	AEMode
AWB	BLC	Image	e
Brightness:			128
Contrast:			64
Saturation:			40
Sharpness:	0		16
Hori_Mirror:	Open		•
Verti_Mirror:	Open		•
Day Gamma:	3		•
Night Gamma:	2		•
Camera NG:	Close		•
Video Mode:	25P		•
Set	Image [Default	

- Image color: Users can set the brightness/ contrast/ saturation/ sharpness to adjust the data of image.
- 2. Horizontal mirror: Users can choose it to change the imaging status become horizontal mirror.
- 3、 Vertical mirror: Users can choose it to change the imaging status become vertical mirror.
- 4. Day gamma: Users can choose the level of daytime gamma from the list. The range is from 0 to 5. The default gamma is 3. The bigger the gamma is, the darker the image is. The smaller the gamma is, the brighter the image is.
- 5. Night gamma: Users can choose the level of nighttime gamma from the list. The range is from 0 to 5. The default gamma is 1. The bigger the gamma is, the darker the image is. The smaller the gamma is, the brighter the image is.
- 6. Camera NG: Users can choose to open or close.
- 7、 Video mode: There are 2 modes for users to choose: 25P & 30P.
- 8. Set image default: Users can recover the default information of brightness, contrast, saturation, sharpness, horizontal mirror, vertical mirror, day

gamma, night gamma.

4 IP Function

4.1 Log in

4.1.1 Device log in

Firstly, set the IP address segment of PC the same as the Device's. For example, the device IP address is 192.168.1.217, gateway 192.168.1.1. PC IP address should be 192.168.1.XX, gateway 192.168.1.1.

Open the IE browser, input default IP address in address column, or visit through domain name if the domain name analytic function is in use, input domain name will display log in dialog box, as the picture below. If user is not sure of the device address, can search it by using searching tool or client side software. HD IP IR High-speed Dome Camera User Manual

IP Camera	English v
Username:	
Rtspport: 554	
Login	Reset

Original Status:

Default Address	192.168.1.217						
User Name	admin	operator	user				
Password	admin	operator	user				

Attention: use default user name to log in successfully, then the user will have authorization for all kinds of operations. It's suggested that user to modify password after first log in for security.

Click or can switch language

For using this software for the first time will need to do below setting in IE.

For first use user, he needs to install OCX Active X, or can't view video. Click Download OCX file for installation. After successfully downloading, click OCX icon for installation, below page will be shown up:



Click "install", and the interface is like below:





After installed, the interface will show like below:

Click "finish" and the web browser active has been installed.

Input the user name and password, then logged into the IE interface of dome camera.

4.1.2 Home Page Instruction

After log in, users will enter the IE homepage, as below:



4.1.3 Home Page Instruction

1、Tool Bar Instruction



✨

Play setting: set the video fluency and connecting type of video type.



Talk back: users can talk back to controllers at real time.



Local manual record: save the real time video & audio to local PC.



Local manual snap: save the image to the local PC. (the default path is C:\IP Camera\snapshots\,users can modify it in local set).



Alarm status: show the present alarm status.

- Amplification: Amplify the area which users chosen.
- 23
- Full screen: video become full screen.
- 3D
- 3Dpositon: Show the 3 D positioning function.
- <

PTZ menu exchange: show the PTZ menu in the left or right.



PTZ show/hide: show or hide the PTZ.

2、Illustration for video form



HD IP high speed dome camera support dual code stream output. Main code stream of 720P supports: 720P/ D1. Sub code stream supports: D1, CIF, QCIF. Main code stream of 1080P supports: 1080P /720P/D1. Sub code stream supports: D1/ CIF/ QCIF. Generally speaking, 1080P/ 720P/ D1 is used in LAN, CIF is used in WAN, QCIF is used in mobile phone monitoring. Users can choose different form per different needs.

4.2 Video record



Click "video record" and enter the interface below:

In this interface, users can search and replay the local and device end video, including manual recording, timing recording and alarm recording.

1. Search record: users can search the record according to time and

type. Select the record date, input the start time ,end time and record type, which includes local record and device end record. Each type of record includes alarm record, timing record (not support through IE browser) and manual record. Click "search" and the selected video will show on the searching list. 2、 Play video: choose the file, click "play" or double click the file.The video will show on the right screen.

Double click the screen, and it can exchange between single screen and split screen.

The toolbar on the screen can support pause/stop/speed up/speed down/snap/play by order/open audio/close audio.

4.3 Log out

Click "log out", IE browser will log out the present operation interface, and return to the log in interface.

4.4 System setting

4.4.1 Basic information

Click basic information and enter the interface below:

IP Camera								⊙ PlayVideo	PlayBack	E+ Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System	Log DM Up	late	
Network Setting	DeviceName:	NVS-365-V01								
Audio & Video	DeviceModel:									
Record Capture	DeviceSN:	83965166								
Alarm Setting	KernetVersion:	Thu Mar 20 19								
Local Setting	ServerVersion:	V2.4.0068-201	40918-V							
	WebVersion:	V1.0.1-201408								
	OCXVersion:									
		Save								

This interface shows the device name, device mode, device SN, kernel version, server version, web version, OCX version.

1. Device name: show the name of device. Users can modify it and

click "save", the new name will be saved.

- 2. Device mode: show the type of device.
- 3. Device SN: show the serial number.
- 4. Kernel version: show the version of kernel.
- 5. Service version: show information of the software service version.
- 6. Web version: show the information of web version.
- 7、 OCX version: show the OCX information of IE browser.

4.2.2 Time setting

Click "time setting "and enter the interface below:

IP Camera							© P	ayVideo	PlayBack	E+ Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System Log	DM Upda	te	
Network Setting	TimeSetting									
Audio & Video	Zone:	GMT+08:00)Beijing, H	iongkong, Singapore, Taip	ei		Save				
Record Capture	Date: 2	014-10-15	Time: 15:18:00		Sync with PC	Save				
Alarm Setting	NTP Server									
Local Setting	Ģ	Sync with NTP								
	Server IP :	lock.isc.org	*							
		Save								

Users can choose time zone, adjust date and time.

- 1, Zone setting: choose the local time zone, and clicks" save".
- 2. Date setting: date can be matched with PC, click "sync with PC" and click "save".
- 3、NTP setting: choose "sync with NTP", the system time will be matched with internet time server.

4.2.3 System operation

Click "system operation" and enter the interface below. Users can set the information like timing restart, return to default.

IP Camera							ø	PlayVideo	O PlayBack	E + Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System Lo	g DM Upda	ite	
Network Setting	Auto RebootEnable:	Effective Ti	me: Sun 💌 1:	00 - Sav	ve					
Audio & Video	Set Defa	iti	Reboot							
Record Capture										
Alarm Setting										
Local Setting										

1. Auto reboot: Users can set the auto reboot time.

Click "effective time", set the reboot time, it can be every day or someday in a week, and click save.

- 2. Set default: Default all the setting.
- 3, Reboot: Auto reboot the machine.

4.2.4 System update

Click "system update" and enter the interface below. Users can update the network program.

IP Camera									īdeo	PlayBack	E+ Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System	Log D/	M Updat	•	
Network Setting	File Path:			浏览	Cont	firm					
Audio & Video											
Record Capture											
Alarm Setting											
Local Setting											

System update: click "浏览" and choose the path of target file, and click " confirm".

Users can update the software and become the newest version.

Attention: do not cut off the power supply and operate the dome when updating,

4.2.5 Users manage

Click "users manage" and enter the interface below. It can add or delete users.

IP Camera							e) PlayVideo	PlayBack	E+ Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System Lo	g DM Upda	te	
Network Setting	Dev Authentication									
Audio & Video	Passv	vord Authenticatio	on: Open Close							
Record Capture	User List									
Alarm Setting	User Name:			Password:						
Local Setting	Group: a	dmin	Confirm	Password:						
		Add	Modify user number is 8,User N	Delete Iame cann't i	modify)					
	Usernar	ne	Password		Group					
	admir		••••••		admin					
	operati	or .			operator					

1. Password authentication

When open password authentication, users need to input the user name and password . When it is closed, users can log in without user name and password.

2. Password setting

Users can add/ delete the information of users, modify password ,add new user groups.

System Setting Basic I Network Setting Dev Au Audio & Video User L Record Capture User L	nformation uthentication Passv ict	TimeSetting	System Operation	Update	UserManage	System Status	System Log	DM Updat	•	
Network Setting Dev Au Audio & Video Record Capture	uthentication Passv	ord Authenticatio								
Audio & Video User L User L	Passv	ord Authenticatio								
Record Capture	ist		n: Open Close							
Alarm Setting	er Name: ad	Imin		Password:						
Local Setting	Group: a	Imin	Confirm	Password:						
		Add	Modify	Delete						
		(Tip:The max u	iser number is 8,User N	lame cann't n	nodify)					
	Usernar	ne 🛛	Password		Group					
	admir				admin					
	operate				operator					
	user				user					

HD IP IR High-speed Dome Camera User Manual

- Add: input the user name and password, choose the group, click "add", the system will remain "add successfully", and the new users will show on the user list.
- 2. Delete: choose the users can click "delete", the system will remain "delete successfully", and the users will move away from the user list.
- 3. Modify: choose the users, modify the password, click "modify" and system will remain "modify password successfully".

4.2.6 System state

Click "system state" and enter the interface below:

IP Camera							© P	1ayVideo	O PlayBack	[→ Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System Log	DM Upda	ite	
Network Setting	Interval(s): 5	🝸 Auto flush	Flush							
Audio & Video	Sequence		Status Info							
	1 Cpu_Usage	-CPU-18.76%								
Record Capture	2 Clock_Info	CPU-432MHz								
Alarm Setting	3 Memory_In	fo=Total-76952KE	, Used-75240KB, Free- 0-49	1712KB						
	5 NysApp Up	time=0 days 00:1	9:29							
Local Setting	6 Route_Info	-Gateway-192.16	8.2.1, Iface=eth0							
	7 Dns_Server	-202.96.128.86								
	8 Eth_ip=192	.168.2.234								
	9 Video_tink-	-Total-0								

HD IP IR High-speed Dome Camera User Manual

Choose the refresh interval or click auto refresh, the machine will auto refresh the system status.

The system status information:

- N.1: CUP using status.
- N.2: clock information of CUP frequency.
- N.3: status of system memory.
- N.4: using time of machine after power on.
- N.5: standing time of system start.
- N.6: the information of system UPNP.
- N.7: ROUTE information.
- N.8: DNS sever information.
- N.9: the number of video stream connected to the machine.

4.2.7 System log

Click system log and enter the interface below:

IP Camera							© F	PlayVideo	O PlayBack	₽ Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System Log	DM Upda	ite	
Network Setting	Log Type: all	1								
Audio & Video	Time	Level				Event				
	Oct 15 15:00:05	notice	jco_server[747]:	[jco_pthread	d_mng.c: 60]	Thread begin-SysMe	gSvr, pid-7651			
Record Capture	Oct 15 15:00:05	notice	jco_server[747]:	[sys_msg_sv	r.c: 2229] [g	etpid():747 pid:765]				
	Oct 15 15:00:05	notice	jco_server[747]:	[jco_time_c	all.cpp: 30] [getpid():747 pid:766] time call main	loop		
Alarm Setting	Oct 15 15:00:05	notice	jco_server[747]:	[longtime_ci	all_engine.cpp: 3	10] [getpid():747	pid:767] longtin	ne call main l	oop	
Local Setting	Oct 15 15:00:06	notice	jco_server[747]:	[system_ma	in.c: 278] loa	ad driver:/app/vs/	load normal 43	58		
Local Setting	Oct 15 15:00:08		jco_server[747]:	[delay_exec.	.c: 610] JCOI	DelayExec cmd:7				
	Oct 15 15:00:08		jco_server[747]:	[[co_pthread	1_mng.c: 60]	Thread begin=delay	execute, pid-8	30!		
	Oct 15 15:00:08		jco_server[747]:	[delay_exec.	.c: 567] [get	pid():747 pid:830] di	alay exec loop			
	Oct 15 15:00:08		jco_server[747]:	[delay_exec.	.c: 174] delay	execute cmd-7 set	routel			
	Oct 15 15:00:08		jco_server[747]:	[JPtzService	.cpp: 2727] I	NEW PTZ				
			Previous 1	 Next 						

Choose the log type, and users can look into the system log.

Choose the page number, and users can look into the system log.

4.2.8 SCM update

Click "SCM update" and enter the interface below:

IP Camera									O PlayBack	E + Logout
System Setting	Basic Information	TimeSetting	System Operation	Update	UserManage	System Status	System	Log DM U	odate	
Network Setting	Ball Version :	D72VER2.01T1								
Audio & Video	Camera Version :									
Record Capture	File Path:			测范	Confirm					
Alarm Setting										
Local Setting										

Click"浏览" and choose the SCM and camera program, click confirm. Do not cut off the power supply and do not have any operation when upgrading.

4.3 Network setting

In this part, users can set the information like: Ethernet setting, DNS setting, FTP setting, mail server setting.

4.3.1 Ethernet

Click "Ethernet" and enter the interface below. Users can set the details.

IP Camera									O PlayBack	E+ Logout
System Setting	Ethnet	PPPOE	DDNS	Port	Email Setting	FTPClient Setting	NetCheck			
Network Setting	DNS Parar	neter Settin	e							
Audio & Video		DNS Address	202 .	96 . 128	. 86					
Record Capture	Ethernet '	Settine								
Alarm Setting			403							
Local Setting		IP Address	. 192 .	100 . Z	. 234					
		Subnet Mask	: 255	255 . 255	. 0					
		Gateway	: 192 . 1	168.2	. 1					
		MAC Address	: 00:66:68	:81:18:8	5					
	DHCP Set	ting								
		Enable DHCP	": • ON •	OFF						
			Sa	ve						

Users can set the network data, including DNS address, IP address, sub net mask, gateway.

MAC address is the physical address which can not be modified.

DHCP Setting: choose "on" and the machine will get the network data automatically from local network. This need to support by DHCP server, please conform to the network administrator.

4.3.2 PPPOE

IP Camera								PlayBack	E+ Logout
System Setting	Ethnet	PPPOE	DDNS	Port	Email Setting	FTPClient Setting	NetCheck		
Network Setting		Switch	: • ON	OFF					
Audio & Video		Card Selec	ETH		¥				
Record Capture		Username	enony	nous					
Alarm Setting		Password							
Local Setting		Statu	: Linked						
			Flush	Sav					

Click "PPPOE" and enter the interface below:

When setting auto dialing, users need to turn on the switch, choose the type of gateway, input the user name and password, then click "save".

4.3.3 DDNS setting

Click "DDNS" and enter the interface below:

IP Camera									O PlayBack	E+ Logout
System Setting	Ethnet	PPPOE	DDNS	Port	Email Setting	FTPClient Setting	NetCheck			
Network Setting		Switch	: • ON 1	OFF						
Audio & Video		Card Select			×					
Record Capture		Username	: anony	nous						
Alarm Setting		Password								
Local Setting		Status	: Linked							
			Flush	Saw	e					

HD IP IR High-speed Dome Camera User Manual

DDNS can map the dynamic IP address to a fixed domain name.

Users need to turn off the switch when setting DDNS.

Choose the DDNS service provider: 3322/org/9299.org. Input DDNS user name and password, and click "save".

4.3.4 Net port

Click "port" and enter the interface below:

IP Camera								PlayVideo	PlayBack	E+ Logout
System Setting	Ethnet	PPPOE	DDNS	Port	Email Setting	FTPClient Setting	NetCheck			
Network Setting		Http Port	t: 80		Enable UP	NP: 🔳				
Audio & Video		Ftp Port	: 21		Enable UP	NP: 🗖				
Record Capture		Rtsp Port	: 554		Enable UP	NP: 🗖				
Alarm Setting		Speak Port	8004		Enable UP	NP: 🗖				
Local Setting		Update Port	: 8006		Enable UP	NP: 🗖				
			Sa	ve						

- 1. WEB port: used for logging in the interface of IE.
- 2、 FTP port: used for FTP uploading and downloading.
- 3、 RTSP port: real time video stream to transport video.
- 4. Talk back port: used for talk back.
- 5. Update port: used for program updating.
- 6. UPNP switch: auto mapping for port.(need to supported by router).

4.3.5 Email setting

Click "email setting" and enter the interface below:

IP Camera								PlayBack	E+ Logout
System Setting	Ethnet	PPPOE	DDNS	Port	Email Setting	FTPClient Setting	NetCheck		
Network Setting		Server	: smtp	.163.com					
Audio & Video		UserName	: anon	mous					
Record Capture		Password	••••	•••••					
Alarm Setting		ToAdd	: anon	/mous@16	3.com				
Local Setting			s	we					

Email data: set the data of email server, user name and password.

4.3.6 FTP setting

Click "FTP client setting" and enter the interface below:

System Satting Ethnet PPPOE DDK Port Enall Setting PErCloant Setting NetCheck Audio & Video Severet Fig.163.com Image: Comparison of the compar	Camera								PlayVideo	PlayBack	E+ Logo
Network Setting	System Setting	Ethnet	PPPOE	DDNS	Port	Email Setting	FTPClient Setting	NetCheck			
Audio & Video Userhame: sinorymotu: Record Capture Aum Setting Local Setting Save	Network Setting		Server	: ftp.16	i3.com						
Record Capture Alam Setting Local Setting Save	Audio & Video		UserName	: anony	mous						
Alam Setting Local Setting Seve	Record Capture		Password	••••	••••						
Local Setting Save	Alarm Setting		Path	: /							
	Local Setting			5	10						

HD IP IR High-speed Dome Camera User Manual

FTP data: input server name, user name, password, FTP path and type

of uploading, click "save".

4.3.7 Network setting

Click network setting and enter the interface below. Users can test the present network status.

IP Camera						O PlayBack	E+ Logout
System Setting	Ethnet PPPOE	DDNS Por	t Email Setting	FTPClient Setting	NetCheck		i i i i i i i i i i i i i i i i i i i
Network Setting	Netcheck parameter	Setting					
Audio & Video	Ping destinatio	192.168.1.2	11				
Record Capture	Ping packet coun	t: 4	(1-20)				
Alarm Setting	Ping packet siz	r: 16	(8~1472)				
Local Setting		send					
	Check Result						I =

IP diagnostic parameters setting:

IP address or domain name: input the address of testing server. Such as 192.168.5.155.

Number of Ping package: input the number data package during testing.

Input of every package.

Check result: input the right parameters and click "send", the diagnostic parameters will show after a few seconds.

IP Camera									o 🕑 PlayBack	₽ Logout
System Setting	Ethnet P	PPOE	DDNS	Port	Email Setting	FTPClient Setting	NetCheck			
Network Setting	Netcheck par	rameter !	Setting							
Audio & Video	Ping des	stination:	192.1	68.2.155						
Record Capture	Ping pack	et count:	4							
Alarm Setting	Ping pac	cket size:	16		(8~1472)					
Local Setting			sen	đ						
	Check Result									
	P 24 bytes fr 16 bytes fr 16 bytes fr 16 bytes fr 192.10 4 packets ping time f	PING 192. rom 192. rom 192. rom 192. rom 192. rom 192. 68.2.155 transmit min/avg.	168.2.155 168.2.155 168.2.155 168.2.155 168.2.155 168.2.155 168.2.155 168.2.155 168.2.155 168.2.155	5 16 bytes i: icmp_se i: icmp_se i: icmp_se i: icmp_se i: icmp_se stics ket loss 4/1.5/4.0	: of data. :q=0 ttl=64 time=4 :q=0 ttl=64 time=0 :q=0 ttl=64 time=0 :q=0 ttl=64 time=0 0 ms	1.0 ms 0.4 ms 0.8 ms 0.6 ms				

4.4 Audio and video

4.4.1 Video channel

Click "video channel" and enter the interface below:

IP Camera						© PlayVideo	O PlayBack	E+ Logout
System Setting	Video Channel Video Para	meter AudioS	Set ExtConfiguration					
Network Setting	Ma	Sla	Slave Stream					
Audio & Video	Master Stream Enable:	O ON O OFF		Slave Stream Enable:	© ON ● C	NFF		
Record Capture	Resolution :	720P		Resolution :	CIF			
Alarm Setting	FrameRate:	25		FrameRate:	15			
Local Setting	BPS:	4096	(96~8192)	BPS:	512	(32~2048		
	Interval:	25		Interval:	15			
	BPSControl:	CBR		BPSControl:	CBR			
	CodeModel:	Quality first -		CodeModel:	Quality fir	st		
	Compress:	H264 -		Compress:	H264	Ψ.		
			Save					

Users can choose different video path according to different type of network.

HD IP high speed dome camera support dual code stream output. Main code stream of 720P supports: 720P/ D1. Sub code stream supports: D1, CIF, and QCIF. Main code stream of 1080P supports: 1080P /720P/D1. Sub code stream supports: D1/ CIF/ QCIF. Users can open or close the two code stream, and set the relative data. There are 3 mode of video play: smooth, middle, real time. The type of connection can choose TCP or UCP.

4.4.2 Video parameter

Click "video parameter" and enter the interface below. Users can set the basic subtitle, extend subtitle, video mirror.



1 basic subtitle

In this interface, users can set the information of name, time and code rate.



users can choose the information to show or hidden. Include : title, time, code rate.

If users want to show the title, fix the information and click "save".

Attention: the title no more than 12 characters.

The color of character can be set from: white/ black/ auto.

2、Extend subtitle

There are 5 extend subtitles for users to set.



Click extend subtitle;

Set the X coordinate and Y coordinate of subtitle;

Set the subtitle information;

Clicks "save".

The extend subtitle will show like the picture below:



The letter in the red box is the extend subtitle.

3、 video mirror

Click the video mirror and enter the interface like the picture below:



Users can set the video mirror in 3 modes: horizontal/ vertical/ diagonal.

4.4.3 Video setting

Click "audio set, users can set the volume of audio input /audio output.

IP Camera						PlayBack	E+ Logout
System Setting	Video Channel	Video Parameter		ExtConfiguration			
Network Setting	Audio-	input Switch: • ON •					
Audio & Video	Audio Inpu	t Code Type: G711	÷				
Record Capture		BPS: 5.9K	≚ bps				
Alarm Setting	Audio Ir	nput Volume: 50					
Local Setting	Audio Ou	tput Volume: 50					
		Default Save					

After setting all the information, click "save".

If users want to recover to factory default, click "default".

4.4.5 Extend setting

Click "extends setting" and enter the interface below:

HD IP IR High-speed Dome Camera User Manual

IP Camera		O PlayBack	E+ Logout
System Setting	Video Channel Video Parameter AudioSet ExtConfiguration		
Network Setting	BNC Setting		
Audio & Video	BNC: ON O OFF Save		
Record Capture	(Open the BNC function leads to the drop of system performance!)		
Alarm Setting	Encoding Settings		
Local Setting	Code size: D1 💌 Code Profile: HIGH 💌 Code level: 40 💌 Save		

In this part, users can choose code size, code profile, code level, and click "save". Users also can choose to open or close BNC

4.5 Vedio capture

In this interface, users can set the information of front end & remote recording.

4.5.1 Front end record

Attention: this function can only be achieved when remote recording or

there is TF card in dome.

1. Timing record setting

Users can set the auto recording time in time setting schedule.

Use the mouse to choose the time area, the color of chosen is orange.

Attention: if click "Sat" (or Mon, Tues, etc.), the whole day will be chosen and become orange. If click "all", the whole week will be chosen and become black.

After choosing the time, clicks "save".


HD IP IR High-speed Dome Camera User Manual

2. Video manage

Set the max. Recording time. The front end recording time is from 1 minute to 15 minutes. And set the dick full strategy (stop recording or delete old file.)

Set the length of alarm recording. There are 5 types of alarm auto recording:1080P/ 720P/ D1/ CIF/ QCIF. Users can choose the suitable type according to main code stream and sub code stream.

Strategy for reserve disk space:

- a. Min. space:50M; max. Space: 5G, default space:*2%.
- b. Support multi type of recorder at the same time (e.g. Samba, TF card), only when one recorder is full and turn to another to storage.
- c. The machine will stop recording or delete old file only when all the storage space is full.

Only when the front end space is bigger than reserve space, the camera will operate front end recording.

Click "start record" and the status of recording is "manual record", system start record. Click "stop record" to stop recording.

When set timing recording, system will record automatically. This status is "timing record."

When the portable storage device is connected to the machine, users can download it from PC. There are two modes:

HTTP download: users an use the mode of HTTP to download the file to local disk.

FTP download: users can use the mode of HTTP FTP to download the file to local disk.

Download: users can use the way of FTP to download the file to local disk.

Click: "snap picture", users can save the present picture local dick..

4.5.2 Remote record

Click "remote record" and enter the interface below:

IP Camera						● PlayVideo	O PlayBack	E+ Logout
System Setting	Frontend Record	Remote Record	Disk Status					
Network Setting				SAN	NBA			
Audio & Video	Remote Sw	itch : 🔹 Enable	O Disable		Remote Switch :	Enable	Disable	
Record Capture	Usern	ame : anonymous			Username :	Administrator		
Alarm Setting	Passv	eeeeeeee : brov			Password :	•••••		
Local Setting	Remote I	Path : 1.2.3.4:/tm	P		Remote Path :	//192.168.2.15	i/move	
		Sav	2			Save		

This function supports users use storage device in network as a front end device.

1. NFS setting (not support at present)

Switch of remote record: open or close the function o f NFS remote recording.

Remote path: input the address of NFS.

User name: input the user name of NFS.

Password: input the password of NFS remote recording.

2. SAMBA setting

Remote recording switch: open or close the SAMBA remote recording function.

Remote path: input the address of SAMBA.

User name: input SAMBA address.

Password: input he SAMBA remote recording password.

4.5.3 Disk status

Click disk status and enter the interface below:

IP Camera							PlayBack	E+ Logout
System Setting	Frontend Record	Remote Reci	ord Disk Status					
Network Setting	Interval(s): 5		AutoRefresh	Refresh				
Audio & Video								
	parition	total	have-used	remaining	have-used%	format		
Record Capture	samba	500MB	88MB	412MB	17.60			
Alarm Setting								
1								
Local Setting								

If use TF card, the information of it can be show in this part. Include dick area, total space, the used space, the remaining, and the percent of used space.

"Format" is used for formatting the storage space of the device.

4.6Alarm setting

In the interface of alarm, users can set the detail alarm information

of front end device.

4.6.1 alarm setting

Click "motion detection", and enter the interface below:

IP Camera									© PI	ayVideo	O PlayBack		E+ Logout
System Setting	Motion Detection	Video Loss	LinkAttr	Alarm Linkage									
Network Setting					Armin	g Schedule							
Audio & Video		_		Jaco .	Sun		• 5 6 7	8 7	10 11 12	13 14 15 1	5 17 18 19 20 2	1 22 23	
Record Capture		Chine 2			Mon Tue								
Alarm Setting		100		Contraction of the	Thu								
Local Setting	12	S A P			Sat								
						Enable Motion Detection							
				Sen	isitivity 🗆			-			50		
					Select			Save		Delete			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u>A</u>	NF NO		(Choosing a r	motion dete	ecting, p	lease hold	down Ctrl a	nd drag the mou	se.)	

Motion detection data: users need to click "enable motion detection", and set the sensitivity data. The range of sensitivity is $1 \sim 100$.(The bigger the more sensitive). Then, choose the alarm time schedule: click "select", push "Ctrl" and use mouse to select the time area. Click "show" and the detection area of time will show, choose "delete", the time area will be deleted.

Move detection time schedule: set the time schedule of front end device. This can be linked to front end device. (Include front end device recording, send email, FTP upload).

Attention:

- When selected San (Mon/Tues/Wens/Thur/Fri/Sat), the color will be black.
- Click "all", all the color will be orange.

Clicks "save".

IP Camera				O PlayBack	E+ Logout
System Setting	Motion Detection Video Loss LinkAttr Alarm Linkage				
Network Setting		Arming Schedule			
Audio & Video		ALL 0 1 2 3 4 5 6 7 8 9 10 Sun	11 12 13 14 15 1	6 1/ 18 19 20 21 2	1 23
Record Capture					
Alarm Setting		Thu			
Local Setting					
		Enable Motion Detection			
		Sensitivity			
		Select 5	ave	Delete	
		(Choosing a motion detecting, plea	se hold down Ctrl a	nd drag the mouse.	

4.6.2 Video loss

Click "video loss" and enter the interface below:

IP Camera				
System Setting	Motion Detection	Video Loss LinkAttr	Alarm Linkage	
Network Setting	Enable: 🗖			
Audio & Video	Arming Schedule	4 5 6 7 8 9 10 11 12	12 14 15 16 17 18 19 20 21 22 23	
Record Capture	Sun			
Alarm Setting	Tue			
Local Setting	Thu			
			ave	

Sensitivity of video loss: click "enable" and set the sensitivity data.($1 \sim 100$,the bigger the data is ,the more sensitive

Video loss alarm schedule: set the time schedule, it can be linked to alarm when video is lost in front end device. (Include front end recording, send email, FTP upload).

Attention:

- When selected San(Mon/Tues/Wens/Thur/Fri/Sat), the color will be black.
- Click "all", all the color will be orange.

Click "save" and the interface is below:

IP Camera							PlayVideo	O PlayBack	E+ Logout
System Setting	Motion Detection		LinkAttr	Alarm Linkage					
Network Setting	Enable: 🗹								
Audio & Video	Arming Schedule	5678	9 10 11 12	13 14 15 16 17 18	19 20 21 22 23				
Record Capture	Sun								
Alarm Setting	Tue Wed								
Local Setting	Thu Fri Sat								
				Save					

4.6.3 Link attr

Click :kink attr" and enter the interface below:

IP Camera			© F	PlayVideo	④ PlayBack	E + Logout
System Setting	Motion Detection	Video Loss	LinkAttr	Alarm Link	age	
Network Setting	Alarm Center Paramet	ter				
Audio & Video	Center Address:	192.168.1.66				
Record Capture	Center Port:	8003	(1~6553	5)		
Alarm Setting	AlarmOut Parameter					
Local Setting	AO1 Cur Status:	ON ● OFF				
	AO2 Cur Status:	☉ ON ● OFF				
	AO1 Alarm Status:	ON OFF				
	AO2 Alarm Status:	ON OFF				
	Holdtime(S)	: 10	(1~3600	0)		
		Save				

HD IP IR High-speed Dome Camera User Manual

Alarm center parameter: input the center address and center port, click Alarm output data": set the information of present output status and alarm status. Users can set the holding time o f alarms. Clicks "save" after setting the data.

4.6.4 Alarm linkage

Click "alarm linkage" and enter the interface below:

IP Camera								⊙ Play\	/ideo 🞯 P	PlayBack	E+ Logout
System Setting	Motion Detection	Video Loss	LinkAttr	Alarm Linkage							
Network Setting	Alarm Interval: 5		36000 Second								
Audio & Video	FTPSend O Picture	e 🗢 Video									
		AlarmCenter	Email	AlarmOut1	AlarmOut2	Record	FTPSend	PlaySound	Capture		
Record Capture	MotionDetect						-				
Alarm Setting	VideoLoss	-									
Local Setting	Save										
	Simulate Alarm										
	Alarm type: Moti	onDetect	E B	nable rules protect	ion: 🔳 🦷 Sin	ulate					

HD IP IR High-speed Dome Camera User Manual

- 1. Alarm time interval: the interval of alarm recording and snap.
- 2, FTP uploading: choose the file type of uploading: picture & video.
- 3、 Motion detection: include alarm center, email, alarm output, front end record, FTP upload, play sound, capture,;
- 4. Video loss: include alarm center, email, alarm output, front end record, play sound.

Simulate alarm: use mouse to click and putout alarm signal.

Attention: if the file type of FTP is video, please make sure that the device has connected with front end storage device, and click the matched front end recording choice.

4.7local setting

In the interface of local setting, users can set the information of

record/pre record/alarm linkage recording. Like the picture below:

IP Camera		● PlayVideo	PlayBack	E+ Logout
System Setting	Local Setting			
Network Setting	Local Storage Setting			
Audio & Video	Manual Record Time: 1			
Record Capture	Save record files to: C:/UPCamera			
Alarm Setting	Don't change the default path [C:\PCamera] for normal use; Video files are stored in "Manual/Snao Path\record\device lo\current			
Local Setting	date" directory. Pre Record Setting			
	Pre Record Time: 5 (1-10)Second			
	Pre Record Enable:			
	Local Record Setting			
	Alarm Record Time: 20 (1-3600)Second			
	Alarm Linkage Record:			
	Save			

1、Record setting:

choose the recording time and choose the storage path.

2. Pre record setting:

start the recording function in IE when PC start alarm recording.

3、 Alarm linkage record:

choose alarm linkage record, it will start record when alarming.

Set the recording time.

Clicks "save".

FAQ

1. Can Not Visit Via Browser

Possible Reason(1):	Internet is not connected						
Solution:	Connect the PC to internet and check if it can						
	normal work, get rid of cable and virus						
	problem, till can ping to PC.						
Possible Reason(2):	IP address is being occupied by other devices						
Solution :	Connect the camera to PC and reset a new IP						
	address						
Possible Reason (3):	Camera and PC IP address not in the same						
	segment						
Solution:	Set them to the same segment						
Possible Reason(4):	Camera breakdown						
Solution:	Return for repairing						

2. Can Not Control Camera via IE

Possible Reason (1) : Ensure if the settings of address, protocol and other parameters in 'Serial Port' are coordinate with the camera dial-up.

HD IP IR High-speed Dome Camera User Manual

Solution:	Check the camera protocol, bit rate and other
	parameters in 'Serial Port' and set them right.
Possible Reason(2):	Camera breakdown
Solution:	Return for repairing