IPC Router Manual Book

1. IPC Router Main Interface



2. Switch function of IPC router

Application of 8CH wireless NVR with 8 wireless IPC, 4PCS *IPC are far to the NVR (e.g. Region B, Cam 5 - 8). The other four are closer to the NVR (eg Region A, Cam 1 - 4).

Connection method :

(1) Cam 1-4 Added with the NVR in the normal way.

Video Manage								
Protocol	N1		-					
ID	Device name	IP a	ddress	Preview	Protocol			
						Refresh		
						Match Code		
						Auto Add		
						Modify		
						Advanced		
< 0	/ 0 📐							
Added d	evice:	4	Remai	ning device:	4			
Channel	Device name	IP address		Stat				
1	IPCAM	172. 20. 14. 30		Connect success		Delete		
2	63-2	172. 20.	14. 31	Connect	success	Delete All		
3	C3-2	172. 20.	14. 32	Connect	success	Manual Edit		
4	IPCAM	172.20.	14. 33	Connect	success	Channel Setun		
5				No video	source	will Comm		
6				No video	source	win setup		
1				No video	source	Repeater		
8				No video	source			
				(0k —	Cancel		

(2) Cam5 - 8 first paired with the IPC router connection (Connect up to 4-way), then in the Video Manage interface to search IPC Router, then click the "Auto Add" to add to the NVR.

Add method :

(1) Add IPCs to IPC router

Connect the IPC router to the IPC with a network cable and power it up separately. Press the "Reset/Sync" button on the IPC router to start the code for about 3 seconds, and you will hear the voice prompt. When prompted to successfully code, the IPC has been successfully paired with the IPC router. (The four IPCs are added one by one according to the above operation, and the channel indicator of the successful code will be on)



- (2) IPC router access to NVR
 - a. Connect the IPC router to the IPC with a network cable and power it on separately.



b. NVR enters Video Manage, selects N1 protocol, then Refresh

	Video Manage									
	Protocol	N1								
	ID	Device name	IP address	Preview	Protocol					
	1	Router	192. 168. 1. 198	0	N1	Refresh				
	2	IPCAM	192. 168. 130. 101		N1	Match Code				
	3	IPCAM	192. 168. 130. 122		N1	Auto Add				
	4	IPCAM	192. 168. 130. 134		N1	Modify				
	5	IPCAM	192. 168. 130. 193		N1	Modify				
						Advanced				
		/ 1 🔽								
		′' 🗋								
	Added d	evice:	4 Remai	ning device:	4					
_	Channel	Device name	IP address	Stat	tus					
	1	IPCAM	172. 20. 14. 30	Connect	success	Delete				
	2	C3-2	172. 20. 14. 31	Connect	success	Delete All				
	3	C3-2	172. 20. 14. 32	Connect	success	Manual Edit				
	4	IPCAM	172. 20. 14. 33	Connect	success	Channel Setup				
	5			No video	source	Will Cohur				
	6			No video	source	win setup				
	(No video	source	Repeater				
	- 6			No video	source					
				(0k –	Cancel				

C. Click Auto Add, after adding successfully, as shown below

			Video Mana	ige		
	Protocol	N1				
	ID	Device name	IP address	Preview	Protocol	
	1	Router	192. 168. 1. 198		N1	Refresh
						Match Code
						Auto Add
						Auto Aug
						Modity
						Advanced
	< 1	/ 1 📐				
	Added d	evice:	8 Rema	aining device:	0	
	Channel	Device name	IP address	Stat	tus	
	1	IPCAM	172. 20. 14. 30	Connect	success	Delete
-	2	C3-2	172. 20. 14. 31	Connect	success	Delete All
	3	C3-2	172. 20. 14. 32	Connect	success	Manual Edit
	4	IPCAM	172. 20. 14. 33	Connect	success	Manual Luit
	5	IPCAM	172. 20. 14. 101	Connect	Connect success	
	6	IPCAM	172. 20. 14. 122	Connect	success	Wifi Setup
	7	IPCAM	172. 20. 14. 134	Connect	success	Repeater
	8	IPCAM	172. 20. 14. 193	Connect	success	
					Dk	Cancel

Repeater		
NVR CH1 CH2 CH3 CH4 Router CH5 CH6 CH7 CH8	Connect Infor Channel CH1 CH2 CH2 CH3 CH4 CH5 CH6 CH7 CH8	mation Signal 62 62 67 67 68 70 68 70 69

d. Click on the Repeater and the following is displayed. The green solid line of the Router indicates that the IPC router is wired connected .

e. At this time, the IPC router and the NVR can be connected to the same local area network (switch/home router) by using the network cable.



f. If there is a wireless connection between the IPC router and the NVR (No need Network cable), then go back to step e, double-click the above 192.168.1.198 (IPC router default IP address)

		Video Ma	nag	је			
Protocol	N1	-					
ID Dev	ice name	IP address		Preview	v Protocol		
1 F	Router	192. 168. 1. 198	3	0	N1	Ret	fresh
				\bigcirc	50	Mate	h Code
		Route	er				
				0 T			
				Connect I	nformation		
ESSID	_IPC_90#	A3A9433556		Channel	MAC addre	ss	Signal
Password	6067938	86		CHO	9c:a3:a9:3a:8a:		51
Wifi Channel	Other			CHO	9c:a3:a9:2a:	3:a9:2a:a9:85	
Repeater Mode	Auto	CHO S		9c:a3:a9:4b:	cf:c3	74	
				CHO	9c:a3:a9:59:	d7:85	72
Status		hasn't been match					
		Match Re	fre	sh	Ok	Cancel	
7				No vie	deo source	Rep	eater
8				No vie	deo source		
					Ok	Cancel	

g. Click on the Match in the above picture, as shown in the figure below.

			Video Mar	nage				
Protocol		N1						
ID	Device	e name	IP address	Р	review	v Protoc	ol	
1	Ro	uter	192. 168. 1. 198	}	0	N1	Re	fresh
							Mate	h Code
			Route	r				
				Con	nect Ir	nformation		
ESSID		IPC_90/	A3A9433556	Cha	nnel	MAC ad	ldress	Signal
Password	d	606793	36	C	GH6 9c:a3:a9		59:d7:85	65
Wifi Chan	nnel			C	CH5 9c:		::a3:a9:2a:a9:85	
Repeater	r Mode	Auto	_	C	CH8 9c:a3:a9		4b:cf:c3	64
				C	H7	9c:a3:a9:	3a:8a:66	62
Status		Wireless	has been matched Match Re	fresh		Ok	Cancel	
7	IPO	AM	172. 20. 14. 204		Conne	ct success	Re	peater
в	TPC	AM	172. 20. 14. 205		Conne	ct success		
						Ok	Cancel	

h. At this point, the IPC router and the NVR and IPC can be connected wirelessly. The entire topology is shown below.



Remarks: The above IPC router has 4 wireless cameras, and then wirelessly connected with the NVR. The 4 code streams are combined and the distance will be shorter than normal. It is recommended that the IPC router access the LAN through the network cable.

3. The repeater function of IPC router

Application Scenario : One or two IPCs are farther away from the NVR (such as Region A, Cam1-2). Cam1/2 accesses the NVR through the IPC router as a relay, and other IPCs are closer to the NVR (such as Region B, Cam6-8).

				7.		,
	Protocol	N1				
	ID	Device name	IP address	Preview	Protocol	
						Refresh
						Match Code
						Auto Add
						Modify
						Advanced
	< 0	/ 0 📐				
	Added de	evice:	8 Rema	aining device:	0	
	Channel	Device name	IP address	Stat	tus	
	1	IPCAM	172, 20, 14, 30	Connect	success	Delete
	2	C3-2	172. 20. 14. 31	Connect	success	Delete All
	3	63-2	172. 20. 14. 32	Connect	success	Manual Edit
	4	IPCAM	172. 20. 14. 33	Connect	success	Channel Setup
_	5	IPGAM	172, 20, 14, 34	Connect	success	Wifi Setup
	0	I PGAM	172.20.14.33	Connect	success	Depenter
	í R	LECAM	172.20.14.30	Connect	success	Repeater
		TT OVIN	172.20.14.07	Connecc	5400055	
						0
					ж	Cancel

Connection method:

(1) First add Cam1-8 and NVR in the normal way (when the distance is closer).

(2) Add IPC router

a. Connect the IPC router to the NVR with a network cable and power it on separately.



b. Enters NVR --Video Manage, selects N1 protocol, then Refresh

		Video Mani	age		
Protocol	N1				
ID	Device name	IP address	Preview	Protocol	
1	Router	192. 168. 1. 198	0	N1	Refresh
					Match Code
					Auto Add
					Madify
					Modiry
					Advanced
	/ 1 🗖				
	/ ' 🔁				
Added d	evice:	8 Rem	aining device:	0	
Channel	Device name	IP address	Sta	tus	
1	IPCAM	172. 20. 14. 30	Connect	success	Delete
2	63-2	172. 20. 14. 31	Connect	success	Delete All
3	63-2	172. 20. 14. 32	Connect	success	Manual Edit
4	IPCAM	172. 20. 14. 33	Connect	success	Chappel Setup
5	IPCAM	172. 20. 14. 34	Connect	success	channel Setup
6	IPCAM	172. 20. 14. 35	Connect	success	Wifi Setup
7	IPCAM	172. 20. 14. 36	Connect	success	Repeater
8	IPCAM	172. 20. 14. 37	Connect	success	
				Ok	Cancel

c. Double click on the above 192.168.1.198 (IPC router default IP address)



			Video Ma	anag	e			
Protocol		N1	-					
ID	Devic	e name	IP address		Preview	Protocol		
1	Ro	uter	192. 168. 1. 19	8	0	N1	Re	fresh
							Mate	h Code
			Rout	er				
				(Connect In	formation		
ESSID		IPC_90	A3A9433556		Channel	MAC addre	55	Signal
Passwor	d	606793	86					
Wifi Char	nnel	Other		-				
Repeate	r Mode	Auto		-				
Status		Wireless	has been matche	d				
			Match R	efres	h	Ok	Cancel	
7	IPC	AM .	172. 20. 14. 36		Connec	t success	Rep	eater
8	IPC	;AM	172. 20. 14. 37		Connec	t success		
						Ok	Cancel	

d. Click on the Match in the above picture, as shown in the figure below. At this point, you can unplug the network cable between the IPC router and the NVR.

e. Click on Repeater to enter the following image



f. Click the "+ "sign behind the "Router" to select the IPC channel to be relayed (such as CH1/CH2

in this example)

			Repeat	er			
NVR	CH1	+			Connect Ir	nfo r n	nation
	CH2	+			Channe	al	Signal
	CH3	+			CH1		54
	CH4	+			CH2		62
	CH5	+			CH3		68
	CH6	Ŧ			CH4		57
	CH7	Ē			CH5		76
	0117				CH6		71
	UH8				GH7		80
	Router	± 1			GHO		03
		1					
		2					
		4					
		5					
				Apply	Ok	C	ancel
		8					

h. After that , please click Apply. At this point, CH1/CH2 is connected to the IPC router.(Note: Add up to 2 IPCs)



• The entire topology is shown below.

