

IP Camera

User Manual

V3.0.2

This manual is applicable to the following products:

F-SC241 / F-SC921 / F-SC431 / F-SC621 / F-SC332 / F-SC242

Xiamen Four-Faith Communication Technology Co., Ltd.

https://www.fourfaith.com

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Note: There may be differences between models of accessories and interfaces, actual products shall prevail.



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Chapter 1 Introduction

1.1 General

Four-Faith IP Camera series provides a comprehensive range of security and surveillance solution to meet users' requirement. The cameras can be set up in a network and controlled or managed locally and remotely. Users can use it as an independent monitoring camera or connect to an NVR to build a surveillance system. With the APP and cloud platform, users will be able to access the camera on a mobile phone and other computer devices.

Four-Faith cameras use the high-performance CPU and other industrial-grade units, with the embedded real-time operating system as the software support platform. The cameras support H.265/H.264/MJPEG video compression algorithm and industry-leading HD dual-stream technology to achieve the highest level of video image quality under the limited network resources. It is fully functional, supporting for flexible and comprehensive alarm linkage mechanism, day and night auto switch, smart PTZ control and privacy masking, etc.*

The product has been widely used in the M2M industry of the IoT industrial chain, such as smart grid, intelligent transportation, smart home, finance, mobile POS terminals, supply chain automation, industrial automation, intelligent building, fire protection, public safety, environmental protection, meteorology, digital medical, telemetry, agriculture, forestry, water, coal, petrochemical and other related fields.

*Only available for specific models



1.2 Product Line



1.3 Word Definition

Word	Explanation				
IPC	IP Camera				
	Advanced Video Coding (MPEG-4 AVC) is a block-oriented				
П.204	motion-compensation-based video compression standard.				
	High Efficiency Video Coding(HEVC), also known				
	as H.265 and MPEG-H Part 2, is a video compression				
п.205	standard, designed as a successor to the widely used AVC				
	(H.264 or MPEG-4 Part 10).				
	Motion JPEG (M-JPEG or MJPEG) is a video compression				
MIREC	format in which each video frame or interlaced field of a				
MJFEG	digital video sequence is compressed separately as a JPEG				
	image.				
	The Session Initiation Protocol (SIP) is a signaling protocol				
SID	used for initiating, maintaining, and terminating real-time				
SIF	sessions that include voice, video and messaging				
	applications.				
	Wide Dynamic Range (WDR) is a term used in the				
WDR	surveillance camera industry to refer to high-dynamic-range				
	imaging.				
	The Real Time Streaming Protocol (RTSP) is a network				
RTSP	control protocol designed for use in entertainment and				
	communications systems to control streaming media servers.				



Chapter 2 System

2.1 Structure & Diagram

2.1.1 IPC Working Principle Diagram



Diagram 2.1.1 IPC System Structure

2.1.2 IPC Cloud Management Structure







2.2 Features

2.2.1 Network

- Ethernet: 1*RJ45 10M/100M Ethernet Port
- Network Storage: NFS、CIFS/SMB
- Protocol: IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP

2.2.2 System

- Storage: Support Micro SD/SDHC/SDXC Card Local Storage, up to 128G
- Advanced Function: Motion Detection, Privacy Masking, Backlight Compensation, HLC, 2D DNR, 3D DNR, ROI, Anti-fog, White Balance, EIS, IP Address Filtering
- Event Trigger: Motion Detection, Network Disconnection, External Input, Audio Alarm, etc.
- Event Action: FTP Upload/SMTP Upload/SD Card Record or Snapshot
- System Compatibility: Onvif Profile S, GB/T28181

2.2.3 External Interface

- Power: DC-12v or POE
- Audio: 1*
- Alarm: 1 Alarm In+1 Alarm Out (Port can Drive 12V or 5V Relay)*
- Relay Out: 1 Relay OUT*
- ADC In: 1 8bit IN*
- UART Port: TTL@115200bps Or Expansion for RS485*
- * = Optional

2.2.4 Cloud Platform

 Remote web server device management cloud platform for user to do remote status monitoring, configuration and update, etc.



2.2.5 Other Web Functions

- Local web server for device configuration, system maintenance, storage management, video monitoring, etc.
- Video Playback: Support video playback on web browser
- ◆ NTP: NTP with RTC, support timed reboot, scheduled power on or off
- ✤ Internet: Support IPv4 & IPv6, including static IP and DHCP.
- External PTZ: RS232/RS485 + Pelco-D

2.3 Performance

2.3.1 Streaming Concurrency

Support maximum 10 ways video real-time streaming when all 3 stream types are on. (Primary, Secondary and Tertiary stream. 2 ways 1080P, 1 way D1 30fps, using H264/H265/MJPEG)

2.3.2 Video Storage

Support 1 way SD card scheduled video recording & image capture, multi-way SD card alarm recording & capture.



Chapter 3 Operating Environment

3.1 Computer Requirement

- Recommended Windows 8 and above.
- IE 11 or above.

Attention:

When playing in browsers that do not use the IE kernel, the frame rate may be restricted, causing the video to be not smooth.

3.2 Connection

3.2.1 Equipment Power Supply

Four-Faith IP camera supports PoE power supply and DC 9-60V wide voltage power supply. Users can choose one of the power supply modes to power the equipment. The power supply and network interface can be seen at the end of the camera after the screws around the cover plate are removed.

When the device is normally powered on, the infrared light at the front of the camera will flash quickly, and there will be a slight clicking sound inside the lens. At the same time, when the back cover is opened, it can be seen that there are lights inside.

Power interface diagram:

Terminal Interface (F-SC241/431)

DC interface (other models)





The camera is divided into POE-powered and non-POE-powered types.

1. Non-POE Powered: Powered by a standard 12V adapter.





2. POE Powered: Directly powered through the network cable (standard POE 48V power).



3.2.2 Network Connection

The camera can be connected to the computer for debugging and configuration in the following ways:

1. Direct computer connection





2. Connect through a switch or router



3.2.3 Interface Display

4G/5G IP Camera: F-SC242



IP Camera User Manual





Audio Wiring: Connect the pickup to AUI and G, and the microphone to AUO and G.





Display of F-SC242 Back Cover Interface Description:



Interface Type	Type Interface Definition		Value	
RELAY1	K1+, K1-	Load capability	5A 250VAC/30VDC	
RELAY2	K2+, K2-	Load capability	5A 250VAC/30VDC	
RS232	TX1, RX1	Input/output		
RS485	A1+, B1-	Input/output		
RS232	TX2, RX2	Input/output		
RS485	A2+, B2-	Input/output		
DI	DI1, DI2	Input ON	0V~1.2V	
		Input OFF	1.2V~12V	
DO DO1, DO2		Output	500mA 5V(Default)/12V	
Audio In	Audio In AUI			
Audio Out	AUO	Output		
ADC In	AD1, AD2	Input	4~20mA or 0~5V	
	RESET	Input	RESET Configuration	
	Debug1	Input/output	CPU Debug	
	Debug2	Input/output	CPU USB Debug	
	JTAG	GND-G	MCU Debug TTL	
	GND-G			

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3.2.4 Access to Devices

Factory default configuration page address of IPC is <u>http://192.168.1.100.</u> Default user name is admin, the password is xmsx1234. If the computer and the camera are in a different network segment so that customer cannot directly access the camera from the computer.

In the case of a direct computer connection, it is necessary to set a fixed IP address for the computer first. The specific operation is as follows:

1. Open the Network Connections page of the computer and right-click the Ethernet and choose properties.



2. Modify IPv4.



OK

3. Set the COMPUTER IP to any address in 192.168.1.x network segment.

,o	ternet Protocol Version 4 (TCP/IPv4) Properties	(
	Seneral	
h C	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	
E	○ <u>O</u> btain an IP address automatically	
Ľ	• Use the following IP address:	
C	<u>I</u> P address: 192 . 168 . 1 . 2	
	Subnet mask: 255 . 255 . 255 . 0	
	Default gateway: 192 . 168 . 1 . 1	
C	Obtain DNS server address automatically	
	• Use the following DNS server addresses:	
	Preferred DNS server: 8 . 8 . 8 . 8	
	Alternate DNS server:	
	Vajidate settings upon exit Advanced	
1	OK Cancel	
1		-

4. Try to access the IP camera configuration web page http://192.168.1.100 from Internet Explorer.

3.2.5 Device Search and IP Setting

When customer using a switch or router to connect, the device may not be able to access because the camera is in a different network segment from the computer and router. At this time, customer needs to use search tools to search IPC device for configuration.

Open Incisive Tools and click the search button. The tool will search all camera devices under the same LAN and list them together.



Please confirm whether the IP address of the IP camera is in the same network segment as the computer. Otherwise, the configuration of the camera cannot be accessed. The following processes can use for obtain the network segment where the computer is located:

Press Win+R on a Windows computer to open the CMD:



Enter ipconfig in the command bar and press Enter:



C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.18363.720] (c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Wayne <mark>}ipconfig</mark>
Windows IP Configuration
Wireless LAN adapter Local Area Connection* 2:
Media State Media disconnected Connection-specific DNS Suffix . :
Wireless LAN adapter Local Area Connection* 3:
Media State Media disconnected Connection-specific DNS Suffix . :
Ethernet adapter Ethernet:
Connection-specific DNS Suffix . : Link-local IPv6 Address : fe80::3d7f:c10f:4091:34b4%15 IPv4 Address : 192.168.88.18 Subnet Mask : 255.255.255.0 Default Gateway : 192.168.88.1
Ethernet adapter VMware Network Adapter VMnet1:

If the network segment of the computer is 192.168.88.x, the IP of the IP camera should also be changed to 192.168.88.x. If the network segment of the computer is 192.168.0.x, the IP of the camera should be changed to 192.168.0.x, and so on.

In the search tool, the IP of the device can be directly modified in batches. The specific processes are as follows:

-		+	-for and -		fort				+
Peur-Pet		NVR						4	≱ – ¤ ×
	Search	🔹 Config	1 Update			🔍 admin	ê *******	Search h	ere Q
N	o. IP	MAC	PORT NETMASK	GATEWAY	Device Name	MODEL	Run-up Time F	irmwar Version	Neb Browei
	1 192.168.8	54:D0:B4:C0:	80 255.255.2	192.168	IP Camera	F-SC341-216-4	2020/11/20 1	0.1.0.5-r22	Ø
	K								
						IP address o			Ļ
(Operator			🚖 Clear	Networ	k Setting			⊘Modify
		Ca [ID	יווסטען אוסטוויז אויסטוו רו ווסט 162 1 11						
		192.168	3.1.1] [Port: 80] [DN	IS: 8.8.8.8]	IP D	192.168.88 .11	Getway	192.168.1 .	
	2 2020/	1/23 [Masl	k: 255.255.255.0] [N ra] ==> [IP: 192.16	Name: IP 8.88.11]	Port	80	DeviceNa	8 .8 .8 .8	
	17:10	/:06 [GW: 1 8 8 8 81	92.168.1.1] [Port: 8	80] [DNS:	Neur		Devicerval		
		0.0.0] IP C	amera] MODIFY SU						

For information about the Incisive Tools, please refer to the user manual of the Incisive Tools.

3.2.6 Device Login

1. Open IE browser (IE 8.0 or above) and enter the IP address of IPC.

2. Enter ID and password to login. www.fourfaith.com



Notice:

- 1. Initial account of standard version: admin; Password: xmsx1234.
- 2. The version before V1.0.0.5, password is ff2018.

🖉 Four-Faith IP Camera	×				
Four-Faith				English T	V
		admin			
		Password			
		Remember Password			
		Login			
	Copyright	© 2015 Four-Faith Communication Technology Co.,Ltd. All r	ights reserved.		

3. The user needs to install the video plug-in when the user login to IE for the first time. Click and download the video player plug-in.

Four-Faith	Preview	Playback	O Configuration	R admin	⊖ Logout
	P	ease Click here	to download the plugin. After successful installation, refresh the webpage to browse the video.		
to - re-	•			. 0 4	• 🖻 🕘

4. After finish downloading, install the video plug-in.



The latest cameras currently support plugin-free preview.

5. After finish installing the video plug-in, refresh the IE. Users can check real-time video monitoring on IE and user can operate different functions of IPC on this web interface.



3.3 Mounting method

3.3.1 IPC Mounting Method

- 1. Universal joint bracket fixation
 - a) The bracket is fixed to the bottom of the camera using screws.



b) The gimbal bracket is adjusted and fixed with screws to control the tilt angle and can be disassembled.





c) The bottom of the gimbal bracket is usually fixed with screws and crossbars.When fixing, it is necessary to first disassemble the bottom part.







- 2. The fixed straight arm
 - a) The bracket is fixed to the bottom of the camera with screws.



b) The bracket's side can be adjusted for tilt angle using screws.





c) The bottom of the straight arm bracket can be fixed to a specific location using screws, typically on a wall.





- 3. The fixed straight arm (Big size)
- A) The bracket is fixed to the bottom of the camera with screws



B) The bracket's side can be adjusted for tilt angle using screws.



C)The bottom of the straight arm bracket can be fixed to a specific location using screws, typically on a wall.

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3.3.2 Waterproof Installation

1. Remove the hole on the back cover

2. Attach the plug and screw cap.

3. Tighten the fixing nut, and connect the power or network cable.

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Chapter 4 Main Function

4.1 Embedded System

4.1.1 Ethernet

1 x 10/100M auto-adaptive Ethernet port

4.1.2 SD/TF Card

SD card auto mount directory: /mnt/mmc/, for video recording and image capture. The related web page will show the usage information, user can also check the files inside the SD card.

Note: The SD card needs to be initialized when user use IPC at the first time.

4.1.3 RS485

The RS485 serial port control directory: /dev/ttyS1 (COM1 on the hardware), can be connect to external PTZ to realize PTZ control.

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4.1.4 Audio Interface

Support 1 way MIC or Linear input. There is a reserved power amplifier interface inside the camera, user can connect it to a speaker directly. The IPC support web audio talkback, press the talk button to do real time talkback.

4.1.5 External I/O

Support external I/O, some models support external GPIO input and output, can be connected to other external alarm signal, such as smoke alarm, light alarm, etc. IPC can output TTL signal to trigger other action after received the alarm signal, such as control relay to send out alarm, or activate fire alarm system.

4.1.6 External RELAY Interface

Support external RELAY OUT, can output signal to trigger other action.

4.1.7 ADC In

Support external ADC collection, can be used for real-time analog data collection in some specific environment. For example, to check the temperature of a fishpond, the IPC can be connected to an external temperature sensor to collect the voltage analog data. When there is an abnormal temperature, it will trigger the alarm to remind the fishman to adjust the temperature.

4.1.8 USB Input Interface

Supports external USB devices and can be used for USB, 4G modules, or USB, wifi modules, achieving wireless connectivity functionality.

4.2 Local Web Management Portal

We recommend using Windows Internet Explorer to get the best user experience. You may require installing some plug-ins before you use the web portal.

4.2.1 Login

The default login credential is printed on a tag on your camera. The login IP address is 192.168.1.100, username is admin, and password is xmsx1234 unless you have changed them before.

Type in the address and user info, click login to enter the management portal.

←		. →	Search	Q	- 0 ×
Cur-Faith				English	Ŧ
	admin				
	Remember Password				
	Login				
	Copyright ©2018 Four-Faith All Rights Reserved.				
					🔍 100% 🔻 🚊

4.2.2 Configuration

Click the 'Configuration' tab on the top menu, user can manage the IPC from the following page.

The side menu has list out all the items that user can configure. User can do detail configuration on the right side of the side menu after clicking the related item.

Four-Faith	Preview	Playback	
🗂 Media	Vid	Audio	
🗁 Image		104 Conserve	2020/10/04 NAW 06/19/49/ T/6/
Event	>	66 - 10 day 6 13	
🖾 Storage			
Network			
Application	>		
안 Status	>		
때 System	>		

4.2.3 Display Setting

Support web video image adjustment, including Basic Settings, Day & Night Switch, OSD, Private Shielding, ROI, Focus Config, etc.

Four-Faith			© Configuration	A admin Θ Logout
🗂 Media		Display Settings Day/N	ight Settings OSD Setting Privacy Shielding ROI Setting Focus Config 3	
🗁 Image		2 Ill Telanos	zacijulivlav (treel in konoc mar	<u>^</u>
🖶 Event	>			
💾 Storage				
Network				
Application	>			
쩐 Status	>			
∰ System	>	General Settings	Advanced Settings	
		Day/Night Switch:	Auto V	
		Switch Sensitivity:	Sensitivity 4 V	
		Power Frequency:	50Hz v	-

Basic Settings (Display Settings):

Basic Settings include Day/Night Switch, Sensitivity Switch, Power FrequencySettings, Indoor and Outdoor Mode Switch and Image Rotation/Flip. (Advancedwww.fourfaith.com27Copyright @ Four-Faith 2024

Settings: White Balance Settings, Exposure Type Settings, Backlight Handle Settings, etc.)

Display Settings Day/Night Setti	tings OSD Setting Privacy Shielding ROI Setting Focus Config	
General Settings Advance	iced Settings	•
Day/Night Switch:	Auto V	
Switch Sensitivity:	Sensitivity 4 V	
Power Frequency:	50Hz V	
Indoor and Outdoor Mode:	Outdoor V	- 1
Image Rotation:	V 110	- 1
Image Filp:	0ff V	- 1
	Save	- 1
•		- 1
		•
	Copyright @ 2021 Four-Faith Communication Technology Co.,Ltd. All rights reserved.	
Display Settings Day/Night Sett	ttings OSD Setting Privacy Shielding ROI Setting Focus Config	
General Settings Advan	nced Settings	^
White Balance: (Switchover Takes Effect)	Auto White Balance	
Exposure Type:	Auto V	
Digital Anti-fog: (Switchover Takes Effect)	Ott v	
Image Stabilisation: (Switchover Takes Effect)	Ott v	
Backlight Handle:	BLC V	
Backlight Compensation Area Settings:	Ott v	
		- 1
	Save	
	Save	

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Day/Night Settings:

Users can customize camera parameters for day and night modes, including Exposure Level, Shutter, IR-CUT, White LED, Color Mode, etc., through Day/Night Settings.

Four-Faith					IP Camera User Manual
Display Settings Day/Night Setting	IS OSD Setting	Privacy Shielding	ROI Setting	Focus Config	
Daytime Night Sche	dule Mode				•
Exposure Level:	5	V			
Minimum Shutter: (Seconds)	1/25	\vee			
Maximum Shutter: (Seconds)	1/10000	V			
Maximum Gain Level: (1~100)	100				
IR-CUT:	On	\vee			
IR-CUT Delay:	55	V			
IR LED:	Off	\vee			
Smart IR Mode:	Auto	\vee			
White LED:	Off	V			
White LED Level:	50	Reset			•
	Copyright © 202	21 Four-Faith Communication	Technology Co.,Ltd. All	rights reserved.	
Display Settings Day/Night Setting	gs OSD Setting	Privacy Shielding	ROI Setting	Focus Config	
Daytime Night Sche	edule Mode				•
Exposure Level:	5	~			
Minimum Shutter: (Seconds)	1/25				
Maximum Shutter: (Seconds)	1/10000	~			
Maximum Gain Level: (1~100)	100				
IR-CUT:	Off				
IR-CUT Delay:	5s				
IR LED:	On	~			
Smart IR Mode:	Auto	~			
White LED:	Off	~			
White LED Level:	50	Reset			

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OSD Setting:

Users can use OSD Setting to configure the camera parameters and other information displayed on the video screen, such as date, time, camera name, etc. Through OSD Setting, users can display the desired information on the monitoring screen to meet specific monitoring needs.

C	Display Settings Day/N	Night Settings	OSD Setting	Privacy Shielding	ROI Setting	Focus Config	
	Gene <u>ral Se</u> ttings	Custom Setting	ļS				*
	Stream Select:						
	Stream Channel:	Prim	ary Stream	\sim			
	Sync to Other Stream	ns: 🛛 🖬 (□2 □3				
	OSD Attribute:						
	Font Size:	Medi	um	\vee			
	Font Color:	Defa	ult color is White	V			
	Video Screen Text:						
	Text:	IP Ca	imera				
	Text Position:	Top-I	_eft	\vee			
	Show Timestamp:	 ✓ 					
	Show Week:						
	Time Format:	12-H	our	~			•

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Four-Faith	٥	IP Camera Liser Manual
Display Settings	Day/Night Settings OSD Setting Privacy Shielding ROI Setting Focus Config	1
General Settin	gs Custom Settings	•
OSD:	1 v	
Enable:		
Position:	X: 0 Y: 0	
Display Type:	Text V	
Text:	0	
	Save	
		Ţ

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Privacy Shielding:

Users can set privacy masking on their own.

ay Settings	Day/Night Settings	OSD Setting	Privacy Shielding	ROI Setting	Focus Config	
W Comers		2023/10/18 Thur	10:01:26 (k)			
Enable:						
	Clear	All				
Mask Color:	Red		\sim			

ROI Setting:

ROI Setting allows users to select specific areas in the image for focused attention.

Four-Faith					IP Camera User Manual
Display Settings	Day/Night Settings OSE) Setting Privacy Shield	ling ROI Setting	Focus Config	
IP Comore	2023,	10719 THUE DOOPED AN			
Enable:					
Stream Channe	Clear All Primary Strea	m v			
	Save				*

Focus Config:

Users can set the focus distance.

Display Settings	Day/Night Settings	OSD Setting	Privacy Shielding	ROI Setting	Focus Config		
TP Common		2023/10/19 Thur 1	19:055:057 AM				Â
68 00346000							- 1
							- 1
							- 1
							- 1
Focus Distanc	e: Auto	V					
	Save						
		Copyright © 20	21 Four-Faith Communication	Technology Co.,Ltd. All r	ights reserved.		•

4.2.4 Video and Audio Setting

The configuration page supports video format settings, including Stream Type, Video Format, Resolution, Quality, Frame Rate, I-frame Interval, Bit Rate, CBR/VBR Type, etc.

1	8							
Four-Fait	th					IP Camer	a User N	/anual
Four-Faith	Previe	ew 🕑 Playback		1			A admin	n ⊖ Logout
🗂 Media		Video Auglio						
🖂 Ânage		Il' Samara	2023/10/11	Strate (1) (1993) (1)	Stream Channel:	Primary Stream	V	
🖹 Event	>				Encoding:	H.264	V	
Storage					Resolution:	1080P(1920*1080)	~	
Network					Coding Complexity:	Normal	V	
A Network					Maximum Frame Rate: (fps)	25	V	
Application	>				I-frame Interval: (frame 1-120)	50		
₩ Status	>				Bit Rate: (kbps)	4096	V	
					Rate Type:	CBR	V	
Щ System	>				I	Save		

The configuration page supports audio format settings, including input/output enablement, encode Mode (G711a/G711u/AAC), sample rate, noise reduction, volume control, auto gain control, etc.

Four-Faith	Prev	iew	Playb	ack	n	1					٩	admin	⊖ Logout
🗂 Media		2 Video	Audio	3									
🖂 Image					Enable:			4					1
					Audio Moo	de:	Enab	le Input and Output	\vee				_
Event Event	>				Input Type	ə:	Line i	in	\vee				- 1
Storage					Output Typ	pe:	Line	out	\vee				- 1
Network					Encode M	lode:	G711	ulaw	~				- 1
Application	>				Sample R	ate:	8 KH	z	\vee				- 1
Status	>				Environme Reduction	ental Noise	Off		\vee				- 1
_					Input Volu	ime:		50	Dopot				_
🛄 System	>				Auto Gain	Control:	Off		V				- 1
					Output Vo	lume:		50	Reset				- 8
							_						-
					Convright	@ 2021 Four-Faith Co	mmunicatio	an Technology Co. Ltd. All ri	obts reserved				

Click on Preview - bottom right corner of the page - enable microphone and audio. Local voice broadcast is available.

The Four-Faith Video Cloud Platform also supports two-way audio communication.

IoT Monitoring Platform	E Main Page / Real-Time Monitoring / Video Monitoring	(i) devuser4 ~
Main Page	Input device to query FFNVR0729-1	<mark>.</mark> ⊗® ₫ ×
Real-Time Monitoring ^	Online Devices IPC NVR	
	3 W 4 D 5 D	
Map Display	6 D	
S Track Playback	8 ©	
Playback 🗸	PTZ Control	
Device Management	+ zoom -	
 Alarm Display 	10/30/2023 18:59:53	
Statistic Report	Preset 1 V B Apply 2 Settings 2 Delete	
O System	© 2020	

4.2.5 Real-time Video

Real-time video is supported in IPC web interface and user can control the IPC remotely at the same time.

Processes:

1. Login the IPC web interface.

😤 Four-Faith IP Camera	×				
Four-Faith				English	▼
		admin			
		Password			
		Remember Password			
		Login			
	Copyright © 2	015 Four-Faith Communication Technology Co.,Ltd. All r	ights reserved.		

2. Click preview option on the top of the menu. At the lower right corner, user can remote control IPC such as snapshots, video recording. Some cameras can support lens zoom, focus and other features.

3. On the video preview interface, the recording videos and snapshot are stored on the local disk. After finish record the video or snapshot, the system will automatically pop up the local disk window of the recording video/snapshot so that users can view it at the same time.

4. User can setting the record video storage path on the IPC web interface.

Four-Faith							A admin Θ	Logout
🗂 Media	Sto	orage Management	File Explore NAS Settings	Recording Schedule	Snapshot Settings	Bundled Software	3	
🖂 Image		MA Same on	207.3/10/76 144	Plug-i	in Settings:	FE-v2.6		
🛱 Event	>			Curre	nt Plugin Version:	FF-vUnknown		
Storage	2			Reco	rd File Length: rd File Path:	30 Minutes	Browse Open	٦ [
Network				Save	Path for Capturing es:	undefined	Browse Open	
Application	>			Plug-i	in download URL:	Download ActiveX (Require	s Internet Connection) 4	
🗠 Status	>			Reco	rd File Length:	5 Minutes	V	
때 System	>			Other	Supporting Software:	Save		
				Incisi	ve Tools:	Download		

Buttons of image setting:

IP Camera User Manual

Buttons of IPC remote control:

Button	Description
٥	Len configuration
Q	Zoom in
Q	Zoom out
đ	Focus increase
8	Focus reduce
0	lris increase
•	Iris reduce
C	Focus speed
٢	Lens initialization
Ц	Auxiliary focus
0	Auto iris

4.2.6 Video Playback

The IPC web interface supports video playback function. User can use the IPC web interface to play the recorded video from the IPC storage directly. You may require to install plug-ins before you use this function.

Processes:

- 1. Click the playback on the top of menu.
- 2. Select the date and time on the right side.
- 3. Click the play button to playback the video.

4.2.7 Video Record Schedule

User can set the recording schedule so that the IP camera can record automatically at regular intervals.

Processes:

- 1. Click the configuration on the top of menu.
- 2. Select the storage option on the left side.
- 3. Choose Recording Schedule on the top.
- 4. Enable the Recording Schedule.
- 5. Choose the disk.
- 6. Select the recording day & time period and save.

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4.2.8 Alarm

The product supports various event alarm functions, by setting up some trigger conditions and the related actions to inform user to check and take action.

Four-Faith	ew D Playback O Configuration	A admin Θ Logout
Cl Media	Motion Detection Egernal Input External Output MQTT	
🖂 Image	70 (Amony 2021)(10)(1704) 100-100 0.0	A
🖹 Event 🗸		
Basic Events		
Intelligent Events		
Storage		
Network		L
Application >	Select All Clear All	
쩐 Status >	AlarmAction > Related Configuration > Schedule Settings	
때 System >	Enable: Sensitivity: Aarm Record:	

Users can configure a series of settings for event trigger conditions and post-trigger processing, including sensitivity, upload method, storage location, screenshot interval, FTP file format, etc.

ur-Faith		IP Camera User Ma
on Detection External	Input External Output MQTT	
Alarm Action >	Related Configuration > Schedule Settings	
Enable:	5	
Sensitivity:	Reset	
Alarm Record:		
Alarm Snapshot:		
Upload Via FTP:		
Upload Via SMTP:		
Upload Via Cloud:		
External Output:	□ NO.1 □ NO.2	
Trigger Relay:	□ NO.1 □ NO.2	
55 ,		

Alarm Action > Related	Configuration > Schedule Se	ettings	
Storage Disk Number:	Disk 0 (SD Card)	~	
Record Video Sections:	5 Seconds	\sim	
Pre-record:	0 Second	\sim	
Capture:	3 Page V		
Snapshot Interval:	1 Second	\vee	
FTP File Format:	Image File	\sim	
External Output Action Time:	30 Seconds	\vee	
Relay Action Time:	20 Seconds	\sim	
	Save		

Additionally, configurations can be made for external input/output and MQTT.

Motion Detection	Exter	nal Input	External Output	MQTT
IV Sources			2023/10/10 Taes)	nennerike dela.
		Select All	Clear All	
Alarm Act	tion >	Related (Configuration >	Schedule Settir
Enable:			5	_
Sensitivit	ty:			Res
Alarm Re	ecord:			

on Detection External Ir	Put External Output MQTT	
External Input:	re 1 V	
Alar <u>m Action</u> > Re	sated Conliguration > Schedule Settings	
Enable External Input:		
Alarm Record:		
Alarm Snapshot:		
Upload Via FTP:		
Upload Via SMTP:		
Upload Via Cloud:		
External Output:	□ NO.1 □ NO.2	
	Save	
	Save	
n Detection External In	Save	
n Detection External In	save	
n Detection External In Alarm Action > Re	Save put External Output MQTT elated Configuration > Schedule Settings	
n Detection External In Alarm Action > Re Enable:	Save put External Output MQTT elated Configuration > Schedule Settings	
n Detection External In Alarm Action > Re Enable: Current Connection Status	Save put External Output MQTT elated Configuration > Schedule Settings	
n Detection External In Alarm Action > Re Enable: Current Connection Status MQTT Server Addr:	save put External Output MQTT elated Configuration > Schedule Settings : Disconnect 192.168.7.101	
n Detection External In Alarm Action > Re Enable: Current Connection Status MQTT Server Addr: MQTT Server Port:	Save put External Output MQTT elated Configuration > Schedule Settings : Disconnect 192.168.7.101 11209	
n Detection External In Alarm Action > Re Enable: Current Connection Status MQTT Server Addr: MQTT Server Port: MQTT Username:	Save Save put External Output MOTT elated Configuration > Schedule Settings Image: Disconnect Image:	
n Detection External In Alarm Action > Re Enable: Current Connection Status MQTT Server Addr: MQTT Server Port: MQTT Username: MQTT Becouvert	Save put External Output MQTT elated Configuration > Schedule Settings : Disconnect 192:168.7.101 11209 admin	
n Detection External In Alarm Action > Re Enable: Current Connection Status MQTT Server Addr: MQTT Server Port: MQTT Username: MQTT Password:	save put External Output MQTT elated Configuration > Schedule Settings	
n Detection External In Alarm Action > Re Enable: Current Connection Status MQTT Server Addr: MQTT Server Port: MQTT Username: MQTT Password: MQTT Publish Topic:	save put External Output MQTT elated Configuration > Schedule Settings Image: setting set	
n Detection External In Alarm Action > Re Enable: Current Connection Status MQTT Server Addr: MQTT Server Port: MQTT Username: MQTT Publish Topic: MQTT Publish Topic:	Save put External Output MQTT elated Configuration > Schedule Settings Image: Disconnect 192:168.7.101 11209 admin Image: Disconnect Image: Disconnect 11209 admin Image: Disconnect	

The camera simultaneously supports intelligent recognition of alarm events and a series of configurations, including Left Object Detection, Human/Vehicle Recognition, Water Level Recognition, and Car License Recognition.

<u> </u>	Media		Scene Recognition
	Image		Distinguish Settings > Related Configuration > Schedule Settings
Ē	Event	×	Algorithm select:
	Basic Events Intelligent Events	i	Sensitivity: Left Object Detection Human/Vehicle Recognition Water Level Recognition
	Storage		Car License Recognition
Ø	Network		
=	Application	>	
짣	Status	>	
Ш	System	>	

4.2.9 Storage Configuration

The product support storage management, storage configuration, file search, NASwww.fourfaith.com41Copyright @ Four-Faith 2024

Settings, Recording Schedule, Snapshot Settings and Bundled Software(Local), etc.

Users can manage and configure external storage devices, search and download files from external storage devices, set NAS, schedule regular video recording and image capture with storage, and configure local paths for video and image storage.

₽ Four	子 -Faith 画				O Configu	uration				<u>م</u>	admin	🕒 Logout
<u> </u>	Media		Storage	Management	File Explore	NAS Settings	Recording Sche	dule Snapsho	t Settings Bundled Software	3		
	Image			Disk No. Capa	acity Remainin	g Status	з Туре	Property	Current Disk Information:	I		
=	Event	>							Image Storage Capacity: 0.00G			
	Storago								Image Storage Remaining 0.00G Space:			
	Storage								Recording Storage Capacity: 0.00G Recording Storage			
B	Network 2								Remaining Space: 0.00G			
-	Application	>							Percentage: 30	%		
~	Status	>							Recording Storage 70 Percentage: 70	%		
	System	>							Save	ion		
Stora	ige Managem	ent Fi	ile Explo	re NAS S	ettings R	ecording Sche	edule Snaps	not Settings	Bundled Software			
	Disk No.	Capacity	v Rem	naining	Status	Туре	Property	Current Dis	k Information			
								Image Stor	age Capacity: 0.00G			
								Image Stor	age Remaining 0.00G			
								Space: Recording	Storage Capacity: 0.00G			
								Recording	Storage 0.00G			
								Remaining	Space:	1		
								Percentage	30 %			
								Recording Percentage	Storage <u>70</u> %			
										1		
									Save Initialization			
Stora	age Managem	ient F	-ile Explo	ore NAS S	Settinas R	ecording Sch	edule Snap	shot Settinas	Bundled Software			
	ge managen				ottingo	looorang oon	iouulo onapi	not o otango				
		Filenan	me	Т	ime	Size	Show 10 V Entri Event	es				
	_			No F	iles.			Storage O	peration:			
								File Search	k none			
								Files:	Download			
								(The total	number of searches is			
								up to more exceeds, it	than 4,000 items. If it is recommended to			
								narrow the	search time range)			
	Showing 0	to 0 of 0 Entr	tries	First Previous	Page Next Page	Last	Go					
	c.torning 0				Sys Honlinge	and of the						

Four-Faith					IP Camera User Manua
Storage Management	File Explo	re NAS Settings	Recording Schedule	Snapshot Settings	Bundled Software
		Server Settings:			
		NAS Server Address: File Path:]	
		Mounting Type:	NFS	V	
			Add		

Storage Management File Explore	NAS Settings	Recording Schedule	Snapshot Settings	Bundled Software
	Enable Timing Storage Disk N Interval Time: Upload Via FTF Upload Via Glo Snapshot Sche Reset Set Sun 2 2 Mon 2 2 Tue 2 2 Wed 2 2	Snapshot:	0 (SD Card) Hour 14 16 18 20 22 14 18 18 20 22 14 18 18 20 22 14 18 28 20 22	

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			Plug-in Settings:	
th Comora	-	2023/10/18 Wed 08-02:87 DB	Requires Minimum Version:	FF-v2.6
			Current Plugin Version:	FF-vUnknown
			Record File Length:	30 Minutes V
			Record File Path:	undefined Browse Open
			Save Path for Capturing Images:	undefined Browse Open
			Plug-in download URL:	Download ActiveX (Requires Internet Connection)
			no-Plug Settings:	
			Record File Length:	5 Minutes V
				Save
			Other Supporting Software:	
			Incisive Tools:	Download

4.2.10 Network Configuration

Network configuration includes port settings, IP address settings (IPv4 and IPv6 settings), HTTPS settings, 4G/5G settings (refer to section 4.2.11), WiFi settings (refer to section 4.2.14), DDNS configuration, and routing settings.

1	Four-Faith	Previ	ew 🕑 Playback		1			A admin	🕒 Logout
	🗂 Media		Port Settings IP Addre	ss HTTPS 4G/5G	Wi-Fi DDNS	Routing Settings	3		
	🖂 Image			HTTP	Port: (1-65535)	80			
	Event	>		HTTP 20480	HTTP Packet Size: (512-)	1500			
	Storage			HTTPS	S Port: (1-65535) S HTTP Packet Size:	443			
	Network		2	(512-2 RTSP	0480) Port: (1-65535)	554			
	Application	>		RTP H 20480	ITTP Packet Size: (512-)	1448			
	단권 Status	>				Save			
	🛄 System	>							

Port Settings:

Through port settings, users can adjust the communication parameters of the device to adapt to specific network environments or application scenarios.(including HTTP Port setting, HTTPS Port setting and RTSP Port setting)

Port Settings	IP Address	HTTPS	4G/5G	Wi-Fi	DDNS	Routing Settings
			HTTP	Port: (1-655	535)	80
			HTTP 2048(' HTTP Pack 0)	et Size: (512-	1500
			HTTP	S Port: (1-68	5535)	443
			HTTP (512-)	'S HTTP Pac 20480)	sket Size:	1500
			RTSF	Port: (1-655	535)	554
			RTP 2048(HTTP Packet 0)	t Size: (512-	1448
					I	Save

IP Address Settings:

IP Address Settings include Mode Setting, IP Address, Subnet Mask, Gateway, DNS Setting, Network Priority, etc.(including IPv4 and IPv6 settings)

Four-Fa	° ith			IP Camera User Manual
Port Settings	IP Address	HTTPS 4G/5G Wi-Fi	DDNS Routing Settings	
		IPv4 Setings:		A
		IPv4 Mode:	Fixed IP V	
		Device IP Address:	192 · 168 · 1 · 100 Test	
		IPV4 Subnet Mask:	255 . 255 . 255 . 0	
		IPv4 Default Gateway:	192 · 168 · 1 · 1	
		IPv6 Setings:		
		IPv6 Mode:	Fixed IP V	
		Device IPv6 Address:		
		IPv6 Mask: (3-127)		
		IPv6 Default Gateway:		
		Other Settings:		
		DNS Server:	8 . 8 . 8 . 8	
		Network Priority	1 Wi-Fi V 2 / G Dial V 3 Wired V	-

HTTPS Settings:

HTTPS Settings typically include configuring the necessary certificates, keys, and other parameters for encrypted communication to ensure that the communication of devices or websites is secure.

Port Settings	IP Address	HTTPS	4G/5G	Wi-Fi	DDNS	Routing Settings
			Create a	Private Cert	tificate:	Create Export
			Current	Certificate In	formation:	Isaued to: C=ND, H/IP=192.168.8.147 Isauer: C=ND, H/IP=192.168.8.147 Period of Valldity: Apr 19 02:55:04 2022 Peb 14 02:55:04 2024
					S	ave Reset

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DDNS Settings:

DDNS Settings include configuring relevant information from the DDNS service provider, such as domain name, username, password, etc., to ensure that the domain name resolution of the device is dynamically updated.

1													
Four-Fait	our-Faith IP Camera User Manu												
Port Settings	IP Address	HTTPS	4G/5G	Wi-Fi	DDNS	Routing Settings							
			DDNS	type:		Disable v]						
			User N	lame:]						
			Passw	ord]						
			Hostna	ame:]						
			Force	update:		1]						
			ddns s	tatus:									
						Save							

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Routing Settings:

Through Routing Settings, users can adjust the device's routing configuration to efficiently transmit data in complex network environments.

Port Settings	IP Address	HTTPS	4G/5G	Wi-Fi D	DNS	Routing Settin	ngs			
		Route	er Configuration:	1	92 .	168 . 1	. 1	: 80		
						Go				
			Copyright © 2	2021 Four-Faith C	ommunica	ation Technology Co.,I	Ltd. All rig	hts reserved.		

4.2.11 4G/5G Configuration

1. Insert the SIM card to the IPC. Click the 'Network' option on the left side of the IPC Web interface and choose 4G/5G on the top of the menu. Enable the 4G/5G

Fou	ur-Fait	® h									IP Camera l	Jser M	anual
¥ ₽our-	Faith	Pre-	view 🏷) Playback	O Configura	ation	1					A admin	⊖ Logout
<u> </u>	Media		Port Setting:	s IP Address	HTTPS	4G/5G	3 ^{Wi-Fi}	DDNS	Routing Settings				
	Image					Basic (Configuration	PCI L	ocking Status Displa	ay			*
Ē	Event	>				Enable			2 4				
	Storage					IP:	Connection Sta	atus:	Disconnect				
						IPv6:							
R	Network	ż	2			Signal	Strength:						
-	Application	>				Current	Network:						
						Networ	k Type:		Auto	\vee			
~	Status	>				Networ	k Protocol:		IPv4 only	\vee			
Ш	System	>				Commu	unication Syster	n:	#99***3#(LTE/3.75/4G)	V			
- Ala						User N	ame:						
						Passwo	ord:						
						APN:							-

Notice:

Make sure the network state is connected, has an IP address and the signal value is above 15. The network state is at least 4G or LTE.

2. Basic Configuration: The basic configuration includes the display of the current connection status, IP and IPv6, signal strength, and the current network. It also involves selecting the network type, choosing the network protocol, selecting the communication system, entering the username, password, APN, and PIN. Additionally, determining the MTU and online server IP, and choosing the keep-online mode are part of this setup.

Enable:		
Current Connection Status:	Disconnect	
IP:		
IPv6:		
Signal Strength:		
Current Network:		
Network Type:	Auto	\vee
Network Protocol:	IPv4 only	V
Communication System:	#99***3#(LTE/3.75/4G)	V
User Name:		
Password:		
APN:		
APN:		
APN: PIN:		
APN: PIN: MBN Mode:		
APN: PIN: MBN Mode: CHAP:		
APN: PIN: MBN Mode: CHAP: PAP:		
APN: PIN: MBN Mode: CHAP: PAP: MTU:		
APN: PIN: MBN Mode: CHAP: PAP: MTU: Keep Online Mode:		

3. PCI Locking: PCI locking includes the display of Cell Lock Status, mode selection, determination of Lock Frequency and Physical Cell ID, selection of NR BANDS, LTE BANDS, and WCDMA BANDS.

Basic Configuration	PCI Locking Status Display
Enable:	
Cell Lock Status:	Unlocked
Mode:	NR5G-SA ∨
Lock Frequency(Decimal):	
Physical Cell ID(Decimal):	
NR BANDS:	□1 □28 □41 □48 □78 □79
LTE BANDS:	□1 □2 □3 □5 □7 □8 □34 □38 □39 □40 □41 □48
WCDMA BANDS:	□1 □2 □5 □8
	Save

4. Status Display: The status display includes the presentation of online time, IP and IPv6, gateway, subnet mask, DNS, BAND, and more.

Basic Configuration	PCI Locking Status Display
Online Times: (s)	0 Seconds
IP:	
IPv6:	NONE
Gateway:	not exist
Subnet Mask:	not exist
DNS Server1:	8.8.8
DNS Server2:	8.8.8
BAND:	
IMEI:	
IMSI:	
ACFCN:	
CELL-ID:	
PCI	

4.2.12 Cloud Platform Configuration

Before configuring the cloud platform, users must connect the device to the network, which can be done through 4G/5G, WiFi, or through Router methods.

Fou	ur-Fait	® :h											IP	Camera	Us	er Ma	nual
Four	♪ Faith 造	Þ	Previe	w	Þ P	layback		tion	1						ጾ	admin 🤆	🔆 Logout
	Media			Port	Settings	IP Address	HTTPS	4G/5G	Wi-Fi	DBNS	Routin	g Settings					
	Image				NO.	SSID	Signal Strength	PTZ Speed(Mbps) Channel	Security N	Node	Work Mode	Enable:				^
Ē	Event	>			0 1	Four-Faith	69%	54	1	None		Wifi Hotspot	Current Connection Status:	Connected			
	Storage												SSID:	Four-Faith			
Ø	Network			2									Operation Mode:	Client		,	
	Application												Security Mode:	None		,	
	Statue	>											Connection Type:	Fixed IP		,	
<u> </u>	Status	/											IP Configurati	on:			
<u> </u>	System	>											IP Address:	192 . 168	- 1	. 190	
													Subnet Mask:	255 . 255	. 255	. 0	
													Gateway:	192 . 168	- 1	- 1	
													DNS:	192 168	1	1	•

Select Configuration—Application—Basic Application and click the 'Cloud Platform' on the top of the menu.

Four-	Faith						on 1					A admin	⊖ Logout
<u> </u>	Media		FTP/S	SFTP	SMTP	Online Reporting	Cloud Platform	3GBT Settings	RTMP	RTP	GPS	Modbus	IoT
	Image					Enable:	Operation Otation						
	Event	>				Cloud Se	erver Type:	Four-Faith Cloud		V			
	Storage					Cloud Se	erver Address:	videos.four-faith.com	n				
Ø	Network					Cloud Se	erver Port: (1-65535)	1171 54d0b4c01765					
=	Application	~	2										
	Basic Applicatio	n						Save					
~	Status	>											
<u> </u>	System	>											

1. Enable it

- 2. Cloud Server Type: Select Four-Faith Cloud
- 3. Cloud Server Address: Input "videos.four-faith.com"

4. Cloud Server Port: Input 1171(The cloud server address and server port may change by the customer's local server and local port, customer could check with the technician)

5. Copy the Device Registration ID(make sure that the device registration ID is the same as the ID newly added on the platform and that the capital and small letter must be the same)

6. Click the "Save" button, and check "Current Connection Status", to see if it is connected.

Current Connection Status:	Connected 6	
Cloud Server Type:	Four-Faith Cloud	2
Cloud Server Address:	videos.four-faith.com	3
Cloud Server Port: (1-65535)	1171	4
Device Registration ID:	54d0b4c01765	5
[Save 6	

1. Enter the Four-Faith Cloud Platform address on the IE and login to the Four-Faith Cloud Platform. (To use the Four-Faith cloud platform, you need to register an ID in advance, and the account must be applied for beforehand)

Four-Faith Cloud Platform Address: <u>https://videos.four-faith.com:24409/#/login</u> (The Cloud Platform Address may change by the customer's local server and local port, customer could check with the technician. To ensure that the device can successfully connect to the cloud platform, the cloud server address on the device configuration page must match the cloud platform address here.)

← → C ☆ 🕯 videos.four-faith.com:24409/#/login		역 🖻 ☆	🕈 🔲 🚨 重新启动即可更新 🔅
🙁 百度搜索 📀 导航网站 📀 海宝网 📀 天猫精选 📀 京东购物 📀 在线视频 📀 热门游戏	• 电脑重装 • 今日热点 • 软件	应用 🗕 ERP系统 👙 LTE Cat.1无线数传	
			C Language ~
		IoT Monitoring F	Platform
		Username	
		Password	
		Password	
		Verify Code	
		🕏 Verify Code	R BYF
		C Remember Me	
		Login	

2. Click the Device Management – Device List and choose add option for adding the IPC device to the Four-Faith Cloud Platform.

Four-Faith						IP	Came	ra User	[.] Manual
DEMO	Main Page / Device Management	/ Device List							1 x600 ~
🚳 Main Page	Device Code Device Code	Device Name Devic	e Name	Device Type Plea	ise select				
\blacksquare Real-Time Monitoring $^{\smallsetminus}$	Q Search O Reset	Add 🖉 Edit	🗓 Del						
Playback V									
Device Management ^	Input device to query DEMO	Affiliate	d Device Code ns	Device Name	Device Type	Channel No.	SIM Number	Monthly Usage Limit(M)	Operator Information
Traffic Log		DEMO	54d0b4c0176b	善家滩集控楼Re	IPC	1			
Device Log		DEMO	54d0b4c01765	Larry	IPC	1			
a Denies Status		DEMO	54D0B4C01	54D0B4C01752	IPC	1			
 Device Status 		DEMO	yeacommsc	yeacommsc242	IPC	1			
Storage Log		DEMO	54d0b4c0177b	上海宝钢RedCa	IPC	1			
Operation Status									
ee	© 2020								

3. Paste the Device Registration ID that copy on the IPC Configuration Page to the Device Code. Create a Device Name. Select the Department, Device Type, Channel No. and Protocol Type. For adding IPC, we choose IPC in Device Type, Channel 1 in Channel No. and Four-Faith in Protocol Type. And then, click Confirm.

DEMO	Add Device			×		tx600 ~
🐵 Main Page	* Device Code	54d0b4c01765	* Device Name Larry			
$ eq$ Real-Time Monitoring $^{\vee}$		+Add more devices				
Playback Y	* Department	DEMO × 👻	* Device Type IPC	~		
Device Management ^	* Channel No.	Channel 1 V	* Protocol Type Please select	~	Monthly SIM Usage	Operator
E Device List	SIM Number		Operator Information		Limit(M)	mormauor
Traffic Log	IP address		Alarm Threshold			
Device Log	Monthly Usage Limit(M)					
Ø Device Status	Description					
Storage Log				li		
Operation Status			Cancel	Confirm		
Clingrade Management	202					

4. Check the status of the IPC device. Select Device Management – Device List. Select the Department to which the newly added device belongs or enter the Device Name or Device Code to search for the device and inspect the current status of the new device.

Four-Faith	IP Camera User Manu	lal
DEMO	E Main Page / Device Management / Device List	~
a Main Page	Device Code 54/00-4/01765 Device Name Larry Device Time Plasse select	
$ earrow Real-Time Monitoring ^{\vee}$	O Reset + Add /2. Edit B Del	
Playback V		
Device Management	O Input device to query Affiliated Device Code Device Name Device Channel SIM Monthly Device Device Device Channel SIM Usage Operator Device Device SIM Usage Information Status Linit(M) L	
Traffic Log	DEMO DEMO 54d0b4c01765 Larry IPC 1 Online]
Device Log	□::::::::::::::::::::::::::::::::::::	
Device Status	⊡ 54D084C01752 ⊡ 54D084C01758	
Storage Log	C3 Lany C3 普奈湾建立接保edCap	
Operation Status		-

5. Select Real-Time Monitoring – Video Monitoring. Choose Department on the left side and select the IPC user just added or use the Device Name to search. Watch the live stream video on the Four-Faith Cloud Management Platform.

4.2.13 GBT Settings

Select Application – Basic Application. Choose GBT Settings on the top. Enable it and choose the Version, SIP Server Protocol (usually UDP). Set SIP Server Address and SIP Server Port. Set SIP Authentication ID.

Four	-Faith									IP	Came	era User	Man	ual
<u> </u>	vledia		FTP/SFTP	SMTP	Online F	Reporting	Cloud Platform	GBT Settings	RTMP	RTP	GPS	Modbus	IoT	
🖂 lr	mage					Enable:								^
Ë	Event	>				China GB2	28181 Version:	GB/T28181-2011		×				L
Ľ s	Storage					SIP Server	r Protocol:	UDP 3402000001320000	0001	~				L
	Network					SIP Server	r Domain:	3402000001						L
E A	Application	v				SIP Server	r Address:							L
в	Basic Application					SIP Server	r Port:							
						SIP User:		admin			_			
We S	Status	>				SIP Auther	ntication ID:	3402000001320000	0001					
ш s	System	>				Local SIP	Port:	5060						
						Password:								

4.2.14 WIFI Configuration

- 1. AP Mode: After the client connects, it can only access the IPC page to configure parameters and cannot access the internet.
- 2. Client Mode: Can connect to an AP for internet access.
 - a) Network priority can be changed to prioritize WiFi.
 - b) Change WiFi to client mode, other parameters need to be consistent with the AP to connect, remember to connect the WiFi antenna.

₽ Four-I		▶ Pr	eview		₽	layback 🔘	Configuratio	n	1					۶	ζ admin ⊖ Logout
<u>[]</u>]	Media		F	Port Se	ettings	IP Address	HTTPS	4G/5G	Wi-Fi	DDNS Rou	ting Settings				
	Image				NO.	SSID	Signal Strength	PTZ Speed(Mbps) Channel	Security Mode	Work Mode	Enable:		4	1
<u></u>	Event				1	Oversea_L	81%	1	12	WPA2 Personal	Wifi Hotspot 🔶	Connection	Conne	cted	
	Event				2	XMSX	63%	1	4	WPA2 Personal	Wifi Hotspot	Status:			
	Storage				3	OrayBox-2.4G-6F8D	63%	1	13	WPA+WPA2 Personal	Wifi Hotspot	SSID:	baby		
			1		4	YYWZ	61%	1	1	WPA2 Personal	Wifi Hotspot	Operation	Client		
	Network		2		5	baby	59%	1	1	WPA2 Personal	Wifi Hotspot	Mode:	Cilent		¥
			1 ~		6	FF-test-123456	55%	1	1	WPA2 Personal	Wifi Hotspot	Security	WPA2	Personal	
-	Application	>			7	k2	55%	1	13	WPA2 Personal	Wifi Hotspot	Mode:			
					8	showifi	53%	1	6	WPA2 Personal	Wifi Hotspot	Connection	Fixed	IP	
202	Status	>			9	ceshi	51%	1	12	WPA2 Personal	Wifi Hotspot	Type:			·
_					10	11F_ODU	49%	1	6	WPA2 Personal	Wifi Hotspot 🖕	WPA Configu	ration:		
Ш	System	>										WPA Key:	•••••		
												Encryption Method:	AES		v

4.2.15 Application

Select Configuration on the top of the page, then choose Application – Basic Application in the left side. Application Configuration includes FTP/SFTP setting, SMTP setting, Online Reporting, Cloud Platform Configuration (refer to 4.2.12), GBT settings(refer to 4.2.13), RTMP Configuration, RTP Configuration, GPS settings, Modbus and IoT Configuration.

Fou	r-Faith	- ®								IP Ca	amera L	Jser I	Vanual
¥ ^{₽our-}	子 Faith 画	▶ Pre	eview	Playback	O Configuration	1					A admin	ΘL	ogout
	Media			FT <u>P/SFTP</u> SMTP	Online Reporting	Cloud Platform	GBT Settings	RTMP	RTP	GPS	Modbus	loT	
	Image				FTP/SFTP:		FTP		V		3		^
Ë	Event	>			Server Setti	ngs:							
	01				Server Addr	ess:	192.168.1.1						
8	Storage				Server Port:		21						
Ø	Network				User Name:		admin						
			1		Password:		•••••						
	Application	~	2		Storage Set	tings:							
	Basic Application	n			Storage Pati	h:	Parent Directory		\vee				
~	Status	>			Parent Direc	ctory:	Date		\vee				
ı. س	Sustem				Prefix Enabl	e:							
ш	System	>			Prefix Text:								
					Suffix Epobl	0							

FTP/SFTP settings include the selection of FTP/SFTP, the FTP/SFTP server's address and port information, the username and password used to connect to the FTP/SFTP server, and specifying the storage path of files on the IPC device, and more.

FT <u>P/SFTP</u> SMTP Onlin	ne Reporting Cloud Platform	GBT Settings RTMP	RTP	GPS	Modbus	loT
	FTP/SFTP:	FTP	V			
	Server Settings:					
	Server Address:	192.168.1.1				
	Server Port:	21				
	User Name:	admin				
	Password:	•••••				
	Storage Settings:					
	Storage Path:	Parent Directory	V			
	Parent Directory:	Date	\vee			
	Prefix Enable:					
	Prefix Text:					
	Suffix Enable:					

SMTP settings typically include the SMTP server's address and port information, the email address and password for sending emails, the recipient's email address, and so on.

	•										
Four-Fa	ith							IP	Camera l	Jser Ma	anual
FTP/SFTP	SMTP	Online I	Reporting	Cloud Platform	GBT Settings	RTMP	RTP	GPS	Modbus	IoT	
			Sender Se	ettings:							
			Sender En	nail Address:	ff_testipcamera@16	3.com					
			SMTP Ser	ver:	smtp.163.com						
			SMTP Por	t:	25						
			Encryption	1:	Not Encrypted		\vee				
			Server Au	thentication:							
			User Name	e:	ff_testipcamera						
			Password:		•••••						
			Recipients	s Address:							
			Recipient I	Email Address1:							
			Recipient I	Email Address2:							
			Recipient I	Email Address3:							

Online Reporting settings in IPC devices typically include options for enabling or disabling online reporting, specifying the reporting interval, and providing details such as the reporting server's address and port.

FTP/SFTP	SMTP	Online R	teporting	Cloud Platform	GBT Settings	RTMP	RTP	GPS	Modbus	ΙοΤ
			Enable: Data Rep (5~99999 Report UI https://)	Norting Interval: ()(Seconds) RL: (http:// or	30					
					Save					

RTMP configuration in IPC devices typically includes settings related to Real-Time Messaging Protocol (RTMP) for streaming. This involves specifying the RTMP server's address and port, stream name, and other relevant parameters. Additionally, it includes options for enabling or disabling RTMP streaming.

Four-Faith			IP Camera User Manual
FTP/SFTP SMTP	Online Reporting Cloud	d Platform GBT Settings RTMP RTP	GPS Modbus IoT
	Enable: Current Connection Status: IP Address: Port: (1-65535) Stream channel: Stream Path: Stream Name: Configuration Prompt:	Disconnect 192 . 168 . 1 . 199 8888 Primary Stream V live 0 rtmp://IP Address:Port/Stream Path/Stream Name Save	

RTP configuration in IPC devices usually involves settings related to Real-Time Transport Protocol (RTP) for audio and video streaming. This includes specifying the RTP server's address and port, stream-related parameters, and options for enabling or disabling RTP streaming.

FTP/SFTP SMTP	Online Reporting Cloud	Platform GBT Settings RTMP RTP GF	PS Modbus IoT
	Enable:		
	Current Connection Status:	Connected	
	Transport type:	RTP over UDP V	
	IP Address:	192 . 168 . 1 . 112	
	Port: (1-65535)	5600	
	Stream channel:	Primary Stream V	
	Payload type:	96	
		Save	

The GPS settings include GPS Protocol, Connect Protocol, Center address, Center Listening Port, GPS ID, and Device ID etc.

Four-Fai	[®] ith						ID	Camera	l Iser Mani	ادر
l our ru								Carriera		uai
FTP/SFTP	SMTP	Online Reporting Clo	oud Platform	GBT Settings	RTMP	RTP	GPS	Modbus	IoT	
		Basic Configuratio	on Advan	ced Settings	Status Display	/	_			
		Enable:								
		GPS Protocol:		Four-Faith		\vee				
		Connect Protocol	t	ТСР		\vee				
		Center address:		192.168.9.231						
		Center Listening (1~65535)	Port:	9901						
		Information Upda Seconds)	te Interval: (10						
		GPS ID:		0000000000000						
		Device ID:		123456						
		Information Conte	ents:	 ✓ GPRMC ✓ GPGSA ✓ GPGSA 	GA 🗹 GPVTG					

Modbus configuration includes Connect Protocol, Server Address, Server Port, and Modbus Address.

FTP/SFTP	SMTP	Online Re	eporting	Cloud Platform	GBT Settings	RTMP	RTP	GPS	Modbus	IoT
			Enable:							
			Current C	onnection Status:	Disconnect					
			Connect i	Protocol:	ТСР		×			
			Server Ad	ldress:	192.168.9.200					
			Server Po	rt: (1~65535)	8888					
			Modbus A	ddress: (1~247)	1					
					Save					
					Save					

IoT configuration includes Protocol selection, Channel Parameter settings, Channel Attributes settings and Communication Parameters settings.

	8									
Four-Fa	ith						IP	Camera	User M	anual
FTP/SFTP	SMTP	Online Reporting	Cloud Platform	GBT Settings	RTMP	RTP	GPS	Modbus	loT	
		Basic Confi	guration Adva	nced Settings						
		Procotol:		Modbus		\vee				
		Channel Par	ameter:							
		Channel:		0		\vee				
		Channel Sam	pling Switch:							
		Hardware Inte	erface:	RS485		\vee				
		Channel Attr	ibutes:							
		485 Index:		485-1		\vee				
		Communicat	tion Parameters:							
		Communicatio	on Baud Rate:	115200		\vee				
		Data Bit:		5Bit		\vee				

4.2.16 Status

The status display includes System Info, Network Info, Application Info, and Device Log. Select Configuration on the top of the page, then select Status in the left side.

Four-Faith	Preview	Playback		1	႙ admin ⊖ Logout
🗂 Media	Sys	stem Info			
🖂 Image			Device Name:	IP-Camera	
Event	>		Device Model:	F-SC242-516-5GWFGP- M521663433D0FM150-NA	
Ctores.			SN Code:	242202309070001	
Storage			Software Version:	31.3.0.7-r5	
Network			Hardware Version:	V2.0-2	
L			MAC Address:	54D0B4C01765	
Application	>		Alarm Input Number:	2	
			Alarm Output Number	2	
쩐 Status	V 2		Uptime:	14 Minutes	
System Info			Tempreature:	45°C	
Network Info	3				
Application Inf	0			Save	
Device Log					

System Info: In System Info, you can edit the device name, view the device model, SN Code, software and hardware versions, Mac address, temperature, and more.

☐ Media	System Info			
🖂 Image		Device Name:	IP-Camera	
🗄 Event >		Device Model:	F-SC242-516-5GWFGP- M521663433D0FM150-NA	
	-	SN Code:	242202309070001	
Storage		Software Version:	31.3.0.7-r5	
Network		Hardware Version:	V2.0-2	
·A·	-	MAC Address:	54D0B4C01765	
Application >		Alarm Input Number:	2	
_		Alarm Output Number:	2	
₩ Status ∨		Uptime:	14 Minutes	
System Info		Tempreature:	45°C	
Network Info				
Application Info			Save	
Device Log				

Network Info: Network Info includes Network Info and Network Rate. Users can view

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the Network Type and IP Address, choose the Network Address Mode, ping Network Connection, view Network Connection Status and SIM Card Status in Network Info. Users can view the real-time rate of 4G/5G uplink and downlink through charts in Network Rate.

_1	Media			Network Info	Betwork	Rate					
	Image				ſ	Network Type:	Local Network				
Ē	Event	>				IP Address: Public Network Address Mode:	10.168.1.117	V			
	Storage					Public Network Connection:		Ping	2		
Ø	Network					Public Network Connection Status:	Unknow		5		
-	Application	>				SIM Card Status:	Not Exist				
~	Status	~				IMSI:					
	System Info Network Info Application Info Device Log		1			R	eset the traffic Reconnect Ref	resh			
<u> </u>	Media		ľ	Network Info	Network	Rate 2					
	Image			O- Uplink rate →C Uplink rate)– Downlink	rate 4G/5G uplink	and downlink real-time r	ate			
=	Event	>		8							
	Storage			6							
Ø	Network			4							
-	Application	>		2-00)	
₩	Status	~		11-6 10:52:26 11-6 10:52:26		11-6 10:52:27	11-6 10:52	2:28 2:28	11-6 1	0:52:29	
	System Info Network Info Application Info Device Log		1	0.2						r	3

Application Info: Cloud Platform includes the presentation of Platform Status, Server IP and port, Device ID, Connection Status and Connection Duration. GPS includes Hardware State, Satellites Num, Longitude, Latitude, Device ID and Report Server Address.

<u> </u>	Media		Cloud Platform GPS			
	Image		2	Platform Status:	Enable	
Ē	Event	>		Server IP and port: Device ID:	114.119.183.142:1171 54d0b4c01765	3
Ľ	Storage			Connection Status: Connection Duration:	Disconnect 0 Minutes	
Ø	Network				Reconnect Refresh	
-	Application	>				
짠	Status	~				
	System Info					
_	Network Info	_				
	Application Info	1				
vascript	Device Log t:FsLoadIframePage(1)	l."fsstatus (cloud.html*):			

4	1	8							
Fou	ur-Faith	n						IP Camera User	Manual
<u> </u>	Media			Cloud Platform GPS	2				
	Image					Hardware State:	Unknow		^
Ē	Event	>				Satellites Num: Longitude:	0.0		
	Storage					Latitude:	0.0		
®	Network					Report Server Address:	192.168.9.231:9901		
-	Application	>						3	
~	Status	v				Local Printing:			
	System Info								
_	Network Info								
	Application Info		1				Refresh		

Device Log: The Basic Log displays all error messages from newest to oldest, allowing custom log searches and exports. The Event Log shows all alarm events with detailed information and supports searching and exporting.

2	Image		Г							Show 10 🗸 En
				Time	Main Type	Sub Type	Param	User Management	IP	Detail
ð	Event	>		2023-11-06 11:38:15	Information	System Restart	-	-	-	System start
-	Storage			2023-11-06 11:37:40	Exception	RTP Client Died	-	-	-	ffrtpc die.
2	Notwork			2023-11-06 11:36:59	Exception	RTP Client Died	-	-	-	ffrtpc die.
20	Network			2023-11-06 11:36:45	Exception	4G Error	-	-	-	No Sim Card
3	Application	>		2023-11-06 11:36:19	Exception	RTP Client Died	-		-	ffrtpc die.
3	Status	~		2023-11-06 11:35:39	Exception	RTP Client Died	-	-	-	ffrtpc die.
	System Info			2023-11-06 11:34:39	Exception	RTP Client Died	-	-	-	ffrtpc die.
	Network Info			2023-11-06 11:33:59	Exception	RTP Client Died	-	-	-	ffrtpc die.
-	Application Info			2023-11-06 11:32:58	Exception	RTP Client Died	-		-	ffrtpc die.
L	Device Log									
]	System	>		2023-11-06	Excention	4G Error Copyright © 2021 Fou	r-Faith Communicati	- on Technology Co.,Ltd. All rights re:	- served.	No Sim Card
D :	System Vledia	>	Basid	2023-11-06	Excention t Logs	4G Frror Copyright © 2021 Fou	- r-Faith Communicati	- on Technology Co.,Ltd. All rights re:	erved.	No Sim Card
р 1 С	System Vedia mage	>	Basic	2023-11-06	Excention	4G Frror Copyright © 2021 Fou	- r-Faith Communicati	on Technology Co.,Lid. All rights re	served.	No Sim Card
μ μ μ μ μ μ	System Vledia mage Event	>	Basic	2023-11-06	Excention	<u>AG Error</u> Copyright © 2021 Fou	r-Faith Communicati		- served.	No Sim Card
р раг раг раг раг раг раг раг раг раг ра	System Media mage Event Storage	>	Basic	2023-11-06 c Logs Even Log Search: Q Log Export: Ex Save Period: Per	Excention tLogs	AG Error Copyright © 2021 Fou	r-Faith Communicati	on Technology Co.,Lid. All rights re	served.	No Sim Card
1 a 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	System Vledia mage Event Storage Network	>	Basic	2023-11-06 c Logs Even Log Search: Q Log Export: Ex Save Period: Par	Excention	AG Error Copyright © 2021 Fou	r-Faith Communicati	on Technology Co.,Lid. All rights re	served.	No Sim Card
1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	System Media mage Event Storage Network	>	Basic	2023-11-06 C Logs Even Log Search: Q Log Export: Ex Save Period: Period: Save Log Search Main Type:	Excention	<u>AG Error</u> Copyright © 2021 Fou	r-Faith Communicati	, Lid. All rights re	erved.	No Sim Card
) i) i) i) i) i) i) i) i) i) i	System Media mage Event Storage Network Application Status	>	Basic L S F	2023-11-06 C Logs Even Log Search: C Save Period: Period: Save Log Search Main Type: [All Type: Sub Type:	Excention	AG Error Copyright © 2021 Fou	r-Faith Communicati	on Technology Co.,Lid. All rights re	eved.	No Sim Card
D 1 3 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	System Media mage Event Storage Storage Application Status System Info	>	Basic	2023-11-06	Excention	<u>AG Error</u> Copyright © 2021 Fou	r-Faith Communicati	, Lid. All rights re	erved.	No Sim Card
D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	System Vedia age Event Storage Vetwork Status System Info Network Info	>	Basid	2023-11-06 c Logs Even Log Search Q Log Export: Even Save Period: Verification Period: Save Save Log Search Main Type: All Types Start Time: 2023-11-06 00 00:01 00:00:00	Freention	<u>AG Error</u> Copyright © 2021 Fou	r-Faith Communicati	on Technology Co.,Lid. All rights re	erved.	No Sim Card
1 a 1 6 1 6 1 6 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7	System Media mage Event Storage Storage Vetwork Application Status System Info Vetwork Info Application Info	>	Basic	2023-11-06 C Logs Even Log Search Q Log Export: Even Save Period: Verification Period: Save Save Log Search Main Type: All Types Start Time: 2023-11-06 00 00:00 End Time:	Excention t Logs port manent ∨ → →	<u>AG Error</u> Copyright © 2021 Fou	r-Faith Communicati	on Technology Co.,Lid. All rights re	erved.	No Sim Card

4.2.17 System

System includes Date & Time Settings, Security Permissions Settings and Upgrade & Maintenance (refer to 4.2.18). Select Configuration on the top of the page, then choose System on the left side.

		8					
Fo	ur-Faitl	n					IP Camera User Manual
₩ Four	r-Faith	Pre Pre	view	D Playback	O Configuration		A admin ⊖ Logout
) Media		Time	e Settings			
	Image				Device Date:	06/11/2023	A
Ē	Event	>			Device Time:	11:57:31	
					Timezone Settings:		
	Storage				Time Zone:	(UTC+08:00) China (Beijing, Taipei) 🗸 🗸	
0	Notwork				NTP Sync:		
(A)	Network				Enable:	۲	
-	Application	>			NTP Sync Time Interval:	1 Day V	
~	Status	>			NTP Sync Mode:	Base V	
					Server Address:	pool.ntp.org	
Ψ	System	~	2		Manual Settings:		
Γ	Date & Time				Enable	0	
	Security Permis	sions	3		Sync with computer time		
							*

Date & Time: Users can set the device date and time, including timezone selection, NTP sync, and manual settings, through Date & Time Settings.

Media		Time Settings		
🖂 Image			Device Date:	06/11/2023
			Device Time:	14:09:29
Event Event	>		Timezone Settings:	
Storage			Time Zone:	(UTC+08:00) China (Beijing, Taipei)
			NTP Sync:	
Network			Enable:	۲
	>		NTP Sync Time Interval:	1 Day V
	,		NTP Sync Mode:	Base
M Status	>		Server Address:	pool.ntp.org
III System	~		Manual Settings:	
± -,	_		Enable	0
Date & Time			Sync with computer time	
Security Permi	ssions		Manual Time:	06/11/2023 14:03:22
Security Permi Upgrade & Ma	ssions intenance		Manual Time: Copyright © 2021 Four-Faith Comm	06/11/2023 14:03:22 unication Technology Co.,Ltd. All rights reserved.

Security Permissions: Users can manage the user list through User Management. IP Restrictions allow the selection of filtering and restriction rules for IP addresses. In the Security section, users can enable Anonymous Visit and SSH.

_1	Media			User Management	<mark>2</mark> IP F	Restrictions Security			
	Image					User List:			
Ē	Event	>				User Name admin	Privilege Administrator	Edit	Delete
	Storage								
Ø	Network						Add		
-	Application	>				N	iote: You can only add up to 10 i	isers	
~	Status	>					3		
Ш	System	×							
	Date & Time Security Permissions		1						
	Upgrade & Mai	ntenance	9			Copyright © 2021 Four-Fai	ith Communication Technology Co.,L1	d. All rights reserv	ed.

οι	ır-Faitl	า					IP Camera User Ma	anual
<u> </u>	Media		User Management	IP Restriction	ons 2 Security			
	Image				Enable:	2		
Ē	Event	>			IP Address Filtering:	Deny V		
					Restriction Rule:	Single IP V		
	Storage				Device IP Address:			
P	Network					Save		
-	Application	>				3		
~	Status	>						
Щ	System	~						
	Date & Time							
	Date & fille							
	Security Permis	ssions ntenance			Convrict @ 2021 Four-Faith Comm	unication Technology Co. 1.14. All rights researed		
	Security Permis Upgrade & Mai	ntenance	User Management	IP Restrictio	Copyright © 2021 Four-Faith Commo	unication Technology Co ,Ltd. All rights reserved.		
	Security Permit	ntenance	User Management	IP Restrictio	Copyright © 2021 Four-Faith Commons Security 2 Enable Anonymous Visit:	unication Technology Co.,Ltd. All rights reserved.		
	Security Permit Upgrade & Maii Media Image Event	ntenance >	User Management	IP Restrictio	Copyright © 2021 Four-Faith Comm ons Security 2 Enable Anonymous Visit: Enable SSH: (Port 9622) Maximum Number Of	unication Technology Co.,Ltd. All rights reserved.		
	Security Permis Upgrade & Mai Media Image Event Storage	ntenance	User Management	IP Restrictio	Copyright © 2021 Four-Faith Comm Security 2 Enable Anonymous Visit: Enable SSH: (Port:9622) Maximum Number Of Connections:	unication Technology Co.,Ltd. All rights reserved.		
	Security Permit Upgrade & Mai Media Image Event Storage Network	ntenance	User Management	IP Restrictio	Copyright © 2021 Four-Faith Comm ons Security 2 Enable Anonymous Visit: Enable SSH: (Port.9622) Maximum Number Of Connections:	unication Technology Co.,Ltd. All rights reserved.		
	Security Permit Upgrade & Mai Upgrade & Mai Image Event Storage Network Application	ssions I https://www.ssions	User Management	IP Restrictio	Copyright © 2021 Four-Faith Comm ons Security 2 Enable Anonymous Visit: Enable SSH: (Port 9622) Maximum Number Of Connections:	unication Technology Co.,Ltd. All rights reserved.		
	Security Permit Upgrade & Mai Media Image Event Storage Network Application Status	ssions	User Management	IP Restrictio	Copyright © 2021 Four-Faith Comm ons Security 2 Enable Anonymous Visit: Enable SSH: (Port:9622) Maximum Number Of Connections:	unication Technology Co.,Ltd. All rights reserved.		
	Security Permit Upgrade & Mai Upgrade & Mai Image Event Storage Network Application Status System	ssions I htenance	User Management	IP Restrictio	Copyright © 2021 Four-Faith Comm ons Security 2 Enable Anonymous Visit: Enable SSH: (Port.9622) Maximum Number Of Connections:	unication Technology Co.,Ltd. All rights reserved.		
	Security Permit Upgrade & Mai Upgrade & Mai Image Event Event Storage Network Application Status System Date & Time	ntenance >	User Management	IP Restrictio	Copyright © 2021 Four-Faith Comm ons Security 2 Enable Anonymous Visit: Enable SSH: (Port:9622) Maximum Number Of Connections:	unication Technology Co.,Ltd. All rights reserved.		

4.2.18 Device Upgrade

1. **Remote Upgrade:** Upload the new firmware through the cloud server API, click the upgrade button on the related web page. The cloud server will automatically send the firmware to the IPC to finish the upgrade. After the upgrade, it will return the result to the web server.

2. Local Upgrade: Upgrade the firmware to be updated directly through the local webpage. The webpage will transmit the firmware to the IPC, and then the IPC will automatically upgrade based on the firmware version and verification results. After a successful upgrade, the IPC will restart and prompt the webpage with the upgrade result.

Four-Fait	° th				IP Came	era User Manual
Four-Faith			O Configuration			A admin 🕂 Logout
🗂 Media		System Maintenance				
🖂 Image			Version Information: Software Version:	31.3.0.7-r5		•
🚍 Event	>		Hardware Version:	V2.0-2		
Storage			Reboot the Device:	Reboot		
Network			Reset Device Parameter: (Keep the IP Configuration)	Reset		
Application	>		Factory Default: Profile Operation:	Restore		
쩐 Status	>		Export Config File:	Export		
System Date & Time	v	2	Import Comg File: Update Operation: Firmware File:	Select	Upgrade	
Security Perm	issions aintenance	3	Note: The upgrade process takes a few automatically restart	minutes, please do not disconner after the upgrade is completed	ct the power, it will	*

4.3 Video Coding

IPC system provides RTSP protocol to streaming video through network. By typing the RTSP address and port, verify the username and password, user will be able to watch the real-time video streaming on web page, VLC or network video players.

It also supports video streaming through cloud server or from APP. By configuring cloud platform parameters, you can subsequently use the cloud platform to achieve remote video viewing over the public network. Contact your sales for cloud server license.

