3MP IR Mini Dome IP Camera User Manual

Table of Contents

1.	Safety Instruction4
1.1	Safety Notice4
1.2	Electromagnetic Compatibility (EMC)5
2.	Overview6
2.1	3 MP IR Mini Dome IP Camera Features and Specifications6
2.2	3 MP IR Mini Dome IP Camera Package Contents
2.3	Minimum System Requirement8
3.	Web Interface Main Menu
4.	Setting_Information15
5.	Setting_Basic Setup16
5.1	Account
5.2	Network17
	5.2.1 TCP/ IP
5.3	Date Time
5.4	Video
	5.4.1 Video Setting 22 5.4.2 Profile 23 5.4.3 Day/Night 25
5.5	Audio
6.	Setting_Live View28
6.1	Video
6.2	Audio
6.3	Camera Setting
	6.3.1 Image Setting
7.	Setting_Playback
7.1	Client PC
7.2	Network Storage
7.3	Edge Storage37
8.	Setting_Event

8.1		Event Server
		Event Server
8.2		Event List 41
		Event List
8.3		Motion Detection
8.4		Schedule
9.	Setting	g_System47
9.1		Maintenance
9.2		Date Time
9.3		Security
	9.3.2	Account
9.4		Network Basic
		ТСР/ IP
9.5		Network Advanced52
	9.5.2 9.5.3	RTSP
9.6		Digital I/O57
9.7		PoE
9.8		LED
9.9		System Log

1. Safety Instruction

Thank you for purchasing this Network Camera. This user manual includes instructions for using and managing the camera on your network. Updated versions of this document will be posted to our company website as they become available. The latest version of this user manual can also be found on the Installation CD accompanying this product, along with user manuals in other languages.

1.1 Safety Notices

Before you use this product

This product has been designed with safety in mind. However, the electrical products can cause fires which may lead to serious body injury if it is not used properly. To avoid such accidents, be sure to heed the following.

Legal Caution

Video and audio surveillance can be forbidden by laws that vary from country to country. Check the laws in your local region before using this product for surveillance purposes.

Don't open the housing

Don't try to open the housing or remove the covers which may expose yourself to dangerous voltage or other hazards.

Don't use the accessories not recommend by the manufacturer

Heed the safety precautions

Be sure to follow the general safety precautions and the "Operation Notice."

Operation Notice - Operating or storage location

Avoid operating or storing the camera in the following locations:

- Extremely hot or cold places (Operating temperature: -10 °C to + 50 °C [14 °F to 122° F])
- Exposed to direct sunlight for a long time, or close to heating equipment (e.g., near heaters)
- Close to water (e.g. near a bathtub, kitchen sink, laundry tub)
- Close to sources of strong magnetism
- $\ensuremath{\, \bullet \,}$ Close to sources of powerful electromagnetic radiation, such as radios or TV

transmitters

Locations subject to strong vibration or shock

In case of a breakdown

In case of system breakdown, discontinue use and contact your authorized dealer.

In case of abnormal operation

- If the unit emits smoke or an unusual smell.
- If water or other foreign objects enter the cabinet.

• If you drop the unit or damage the cabinet:

-Disconnect the cable and the connecting cables.

-Contact your authorized dealer or the store where you purchased the product.

Transportation

When transporting the camera, repack it as originally packed at the factory or in materials of equal guality.

Ventilation

To prevent heat buildup, do not block air circulation around the device.

Cleaning

• Use a soft, dry cloth to clean the external surfaces of the device. Stubborn stains can be removed using a soft cloth dampened with a small quantity of detergent solution, then wipe dry.

• Do not use volatile solvents such as alcohol, benzene or thinners as they may damage the surface.

1.2 Electromagnetic Compatibility(EMC)

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. The limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, it not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

2. Overview



2.1 3 MP IR Mini Dome IP Camera Features and Specifications

Features

- 4 MP progressive scan CMOS sensor
- H.265, H.264 and Motion JPEG compression
- 30 fps at 2304x1296
- Wide dynamic range 100dB
- Day & night functionality with automatic removable IR-cut filter
- 2.8mm, F2.0 lens
- Built-in MicroSD/SDHC card slot
- Power over Ethernet (IEEE 802.3af/ at)
- 1 x alarm input, 1 x alarm output
- Two-way audio, line in and line out
- SSL v3 advanced HTTPS encryption
- Supports Samba network storage
- Multi-lingual user interface
- ONVIF 2.4 and Profile S compliant

Specifications

Model Name	3 MP IR Mini Dome IP Camera
Max Resolution	2304 x 1296 (3MP)
	H.265
Video Compression	H.264
	MJPEG
Max Frame Rate	30fps @ 2304 x 1296
Max Simultaneous Streams	10

Image Sensor	1/3" CMOS sensor
Lens	2.8mm, F2.0
Horizontal Angle of View	87°
Min Illumination	0.05 lux @ F2.0 (color)
Min mummation	0.001 lux @ F2.0 (B/W)
Mechanical IR-Cut Filter	Yes
Audio Support	Тwo-way
Audio Support	Line in & out
Audio Compression	G.711 µ law, a law, AMR, G.726
Alarm Input / Output	1/1
Local Storage	MicroSD/ SDHC
Power / PoE	PoE 802.3af/ at (Class 0)
Power 7 Poe	12V DC, 1A
Operating Temperature	-10 ~ 50 °C (14 ~ 122 °F)
Dimensions (HxWxD)	φ115 x 70mm (3.9" x 2.7")
ONVIF 2.4 & Profile S	Yes
	TCP/IP, HTTP, HTTPS, RTSP, RTP , RTCP, Bonjour, UPnP,
Supported Protocols	FTP, SMTP, NTP, DHCP, DNS, DynDNS, PPPoE, TCP, UDP,
	ICMP, ARP, SSL

2.2 3 MP IR Mini Dome IP Camera Package Contents

You should find the following items in the packaging of your product.

- IR Mini Dome IP camera
- Quick installation guide
- 6 pin cable for DI/DO and audio
- •Screw pack for wall and ceiling mounting
- Alignment sticker
- L-type Hex Key Wrench
- 2 pin I/O terminal block
- •Plastic plate for wall and ceiling mounting

2.3 Minimum System Requirement

real compater naram	are should meet or exceed the renowing specifications.
Item	Requirements
CPU	Intel Core i5 CPU @ 2.0GHz (or equivalent AMD)
Graphic Card	512MB RAM graphic cards(or equivalent on-board graphic cards)
RAM	2GB RAM
Operating System	Windows 7 or later
	Mac OS Leopard 10.5 or later
Web Browser	Internet Explorer 8 or later

Your computer hardware should meet or exceed the following specifications:

Note:

- If not able to view the recorded video file, please install Xvid codec while installing Intelligent IP Installer.
- Please keep updating the latest Windows software and service package. (Ex: Net Framework, Windows Media Player, Enhance ActiveX Security)

3. Web Interface Main Menu

The Live View Page



Toolbar and	Funtions				
Toolbar	Function				
	Click this button to take you back to the camera home page where you				
	can live view the vide				
	Click this button to open the administrator				
X	menu page, which can set up all the	() Information			
	configuration	Basic Setup Live View			
		O Playback			
		© Event			
		System 9			
	Click this button to pause or resume from pause	the live video stream.			
e	The function is also available in VLC mode when y	ou use non-IE browser			
0	Clicking this button will stop the video stream a	nd the video display			
0	turns black (off). The function is also available in	VLC mode when you			
	use non-IE browser				
0	Click on the Record button, if you wish to record	I the live video to your			
0	computer's hard drive. When selected, a prompt	t will request you to			
	specify the folder in which you want to store the	e video.			
	Click OK to begin the recording. The Record button starts flashing,				
	indicating that the recording is active. Click it ag	gain to stop the			
	recording.				
	Note: This function is only available in MS Interne	et Explorer on Windows			
	systems.				
	When the environment temperature drops very	quickly, it may cause			
	water vapor to condense on the front glass, affe	ecting the camera			
	image.				
	You can click on glass demister which turns on	the fan & heater (or			
	LED board) inside the camera for 5 minutes to	demist the front glass.			
0	Use this button to take a snapshot of the video.	Clicking the button			
9	opens up a window showing the captured frame	. Save the image by			
	clicking on the Save Image button.				
	The function is also available in VLC mode when y	ou use non-IE browser			
0	The digital zoom function allows magnification o	f certain areas of the			
9	video. After you click on the magnification icon, a	window appears as an			
	overlay on top of the image.				

Toolbar and Funtions

	Coo halaw
	See below.
	You can drag the box over the
	image, and you can adjust the CamGraba 2.0
	magnification by moving the
	slider toward "T" (tele-zoom)
	or "W" (wide-angle). The more
	you move the slider toward
	"T," the further you zoom in
	and details appear larger. It is normal behavior that the image quality is
	reduced when using the digital zoom function.
	Digital Zoom is only available in MS Internet Explorer Web browsers.
	Note: This function is only available in MS Internet Explorer on Windows
	systems.
	Click this button to view the video in full screen mode. In full screen
	mode, the video is stretched to fit the entire screen and all control
	graphics and window elements are no longer displayed. To return from
	full screen mode, press the ESC key on your keyboard. You can also
	right- or left-click any part of the image with your mouse.
	The function is also available in VLC mode when you use non-IE browser
Live View	Returns the user to the main live video page.
Client Setting	Click this button and the client settings dialog will open.
	Profile- Select your preferred
	profile from the drop-down list. Profile Profile V
	The network camera can store View Size Fit Screen
	different profiles that provide Protocol HTTP V
	different video settings. You can
	define these profiles in the administrator menu, e.g, one profile is for
	low bandwidth environment whereas another profile is for maximum
	quality.
	View Size- There are two choices here. "Fit Screen" will keep the video
	small so that it will always fit into the view port of the live video page.
	"Full Screen" is actually not full screen at all, but it displays the video
	stream at it's original size. So, if you select a profile that displays 1080p
	contents and select full screen for the view size, the video will be
	rendered at 1920 x 1080 pixels on your screen.
	Protocol- Select the transfer protocol here.
4. Setting	Information

4. Setting_Information

The camera's administrator menu allows you to configure all aspects of your network camera. This page provides a complete overview of the status of your network camera.

Product Information Product Name 2Megapixel D/N Outdoor Dome, PoE, w/ audio, DIDC Firmware Version M2.1.5.21 Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF PoE Adapter Security Video Connection Video Connection Q Account 2 Anonymous Viewer Disabled HTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Tilp: None, Filter Mode:Auto, Image Mirror/Tilp: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night If Cut Filter Mode:Auto, IR cut Filter Switch Delay:10s, IR cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Mide::45 Event List Event List	Product Name 2Megapixel D/N Outdoor Dome, PoE, w/ audio, DIDO(Firmware Version M2.1.5.21 Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Setting Image Rotated: None, Video Cip Format: Profilel, Image Stated: None, Video Cip Format: Profilel, Image State State State State State IR Out Filter Intreshold:10-20, IR Node:Auto, IR Ver Filter Intreshold:10-20, IR Node:Auto, IR Level (Wide):46 Image State Stat	Product Name ZMegapixel D/N Outdoor Dome, PoE, w/ audio, DIDOO Firmware Version M2.1.5.21 Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection Ø Account Z Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled IP Cut Filter Mode:Auto, Image Mirror/Flip: None, Image Mirror/Flip: None, Image Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Mode:Auto, Image IR Cut Filter Threenoid:10-20, Image IF Neevel (Wide):45 Image Pote (Wide):45 Image (Wide):45 IR Level (Wide):45 <th>Information</th> <th></th>	Information	
Firmware Version M2.1.5.21 Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Image Mirror/Flip: None, Tanage Rotated: None, Tanage Rotated: None, Tanage Cotated: None, Tanage Rotated: None, Mage Rotated: None, Tanage Rotated: None, Tanage Ro	Firmware Version M2.1.5.21 Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cur Filter Mode:Auto, In Cur Filter Threshold:10-20, In Cur Filter Threshold:10-20, In Cur Filter Threshold:10-20, IR Code Arto; IX IR Level (Mide):45° Event List Name Enabled Trigger Action * Schedule	Firmware Version M2.1.5.21 Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection Q Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Microcr/SLip: None, Image Microcr/SLip: None, Image Video Setting Image IR Out Filter Mode:Auto, IR IR Out Filter Mode:Auto, IR IR Out Filter Mode:Auto, IR IR Mode:Auto, IR IR Mode:Auto, IR IR Mode:Auto, IR IR Net Vilset Threabled:10-20, IR IR Mode:Auto, Schedule	Product Information	
Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection Q Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Mirror/Flip: None, Image Mage Rotated: None, Yideo Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Nock:Auto, IR Level (Wide):46	Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled IP Address Filter Disabled Inage Mirror/Flip: None, Inage Rotated: None, Video Clip Format: Profilel, Day / Night If Cut Filter Mode:Auto, In Cut Filter Emeloid:10-20, In Cut Filter Emeloid:10-20, In Cut Filter Emeloid:10-20, In Cut Filter Threehold:10-20, In Cut Filter Mide):45 Event List Name Enabled Trigger Action * Schedule	Firmware Date Fri Nov 21 14:24:01 CST 2014 Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Heating State OFF PoE Adapter Security Video Connection Ø Account Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled IP Address Filter Disabled IP C tr Liter Mode:Auto, IR Cute Filter Stock Delay:10x, IR Cute Filter Stock Delay:10x, IR Cute Filter Stock Delay:10x, IR Cute Filter Stock Delay:10x, IR Kode:Auto, IR Level (Spct):51, IR Level (Spct):52, IR Level (Spct):54, IR Level (Spct):54, IR Level (Spct):55, IR Heat Mase Enabled Trigger Action * Schedule Not term has been contained. Schedule Network Network	Product Name	2Megapixel D/N Outdoor Dome, PoE, w/ audio, DIDO(2/
Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 Date Time 2015-01-15 Date Time 2015-01-15 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTPS Disabled IP Address Filter Disabled IP Address Filter Mode:Auto, If R Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, If R Mode:Auto, <t< td=""><td>Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection O Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Roster None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Mide):45 Event List Name Enabled Trigger Action * Schedule</td><td>Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection Q Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled IP Address Filter Disabled IP Address Filter Disabled IP Cut Filters ModelAnto, IR IR Netward (Spot):91, IR IR Level (Wide):46 Trigger Not tem has been contained. Schedule No item has been contained. Network Network Network</td><td>Firmware Version</td><td>M2.1.5.21</td></t<>	Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection O Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Roster None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Mide):45 Event List Name Enabled Trigger Action * Schedule	Onvif Version 2.30 MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection Q Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled IP Address Filter Disabled IP Address Filter Disabled IP Cut Filters ModelAnto, IR IR Netward (Spot):91, IR IR Level (Wide):46 Trigger Not tem has been contained. Schedule No item has been contained. Network Network Network	Firmware Version	M2.1.5.21
MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Mirror/Flip: None, Tmage Mirror/Flip: None, Tuage Rotated: None, Video Clip Format: Profilel, Day / Might IR Cut Filter Mode:Auto, IR Cut Filter Intersholi:0-20, IR Mode:Auto, IR Mode:Auto, IR Level (Wide):45 IR Level (Wide):45	MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Marge Mirror/Flip: None, Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Mode:Auto, IR Level (%ide):45 Event List Name Enabled Trigger Action * Schedule	MAC Address Error Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled IP Address Filter Disabled Day / Night Image Motarsed: None, Timage Motarsed: None, Timage Motarsed: None, Video Clip Format: Profilel, Image Motarsed: None, Day / Night If Cut Filter Mode: Anto, IF Cut Filter Mode: Anto, The Mode: Anto, IF R Level (Speci : 91, The Level (Speci : 91, IF R Level (Speci : 91, The Level (Speci : 91, IF R Level (Speci : 91, The Level (Speci : 91, IF R Level (Speci : 91, The Level (Speci : 91, IF R Level (Speci : 91, The Level (Speci : 91, <td>Firmware Date</td> <td>Fri Nov 21 14:24:01 CST 2014</td>	Firmware Date	Fri Nov 21 14:24:01 CST 2014
Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Q	Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Mirror/Flip: None, Image Mirror/Flip: None, Image Rotated: None, Jude C Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Mode:Auto, IR Mode:Auto, IR Mode:Auto, IR Level (Mide):45 IR Level (Mide):45	Date Time 2015-01-15 16:44:40 Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Video Setting Image Mirror/Filp: None, Image Mirror/Filp: None, Image Video Clip Format: Profilel, Image Day / Night If Cut Filter Mode:Anto, IR Cut Filter Stock Palay:10s, If Note:Anto, IR Cut Filter Stock Palay:10s, If Note:Anto, IR Level (Speci:31, IR Level (Speci:31, IR Level (Speci:345 Sc	Onvif Version	2.30
Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Witroor/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Level (Wide):46	Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security 0 Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Mode:Auto, IR Level (Wide):46 Event List Name Enabled Trigger Action *	Bandwidth Usage Receiving = 52 kbps transmitting = 13kbps Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Ø Account Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Image Mirror/Flip: None, Image Rotated: None, None, Mage Rotated: None, None, ITR Cut Filter Intershold: 10-20, IR Cut Filter Filter Mode: Auto, IR Cut Filter Switch Delsy:10s, IR Cut Filter Esshold: 10-20, IR Mode: Auto, IR Cut Filter Switch Delsy:10s, IR Level (Mide): 215, IR Level (Mide): 215, IR Level (Mide): 215, IR Level (Mide): 245 Event List Name Enabled Name Enabled Trigger Action * Notiem has been contained.	MAC Address	Error
Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Q Q Account Q Account Q Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Mirror/Flip: None, Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Cut Filter Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Image	Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Node: Auto, IR Level (Spot):91, IR Level (Spot):91, IR Level (Wide):46	Fan State OFF Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Q Account Account 2 Anonymous Viewer Disabled HTTPS Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Mirror/Flip: None, Image Mirror/Flip: None, Image Mage Stated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode: Auto, IR Cut Filter Threshold: 10-20, IR Hode: Auto, IR Cut Filter Threshold: 10-20, IR Hode: Auto, IR Level (Filter Mode: 3400, IR Level (Filter Mode: 3400, IR Level (Filter Strick Delay: 10s, IR Level (Filter Mode: 3400, IR Level (Filter Strick Delay: 10s, IR Level (Filter Mode: 3400, IR Level (Filter Strick Delay: 10s, IR Level (Filter Mode: 3400, IR Level (Filter Strick Delay: 10s, IR Level (Filter Mode: 3400, IR Level (Filter Strick Delay: 10s, <t< td=""><td>Date Time</td><td>2015-01-15 16:44:40</td></t<>	Date Time	2015-01-15 16:44:40
Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Node:Auto, IR Level (Spot):31, IR Level (Spot):31, IR Level (Wide):45	Heating State OFF Temperature 26°C / 78°F PoE Adapter Security 0 Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Cut Filter Intershold:10-20, IR Mode:Auto, IR Level (Spot):31, IR Level (Spot):31, IR Level (Mide):46	Heating State OFF Temperature 26°C / 78°F PoE Adapter Security Video Connection Ø Account Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Image Rotated: None, Video Clip Format: Profile1, IR Cut Filter Mode:Auto, IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, IR Level (Nide):46 Name Enabled Trigger Action * Schedule No item has been contained. * * P=PTE Action, Di/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=RTTP	Bandwidth Usage	Receiving = 52 kbps transmitting = 13kbps
Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Image Rotated: None, Day / Night IR Cut Filter Mode: Auto, IR Cut Filter Threshold:10-20, IR Mode: Auto, IR Mode: Auto, IR Level (Spot):91, IR Level (Wide):46 Image Number 100 - 20,	Temperature 26°C / 78°F PoE Adapter Security 0 Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Image Rotated: None, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delsy:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):51, IR Level (Spot):51, IR Level (Spot):51, IR Level (Spot):51, IR Level (Spot):54, Name Enabled Trigger Action *	Temperature 26°C / 78°F PoE Adapter Security Video Connection Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Mirror/Flip: None, Image Video Clip Format: Profile1, Image Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR IR Cut Filter Threshold:10-20, IR Accie Skitch IR Level (Spot):31, IR IR Level (Spot):31, IR IR Level (Spot):31, IR IR Level (Spot):34, Name No item has been contained. No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMFP notification, B=MTTP notification, Newtook Storage, SD=SD Card Network Network	Fan State	OFF
PoE Adapter Security 0 Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Image Rotated: None, Image Rotated: None, Video Clip Format: Profile1, IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	PoE Adapter Security 0 Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Image Rotated: None, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delsy:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action *	PoE Adapter Security Video Connection Video Connection Q Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Mirror/Flip: None, Image Video Clip Format: Profile1, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Cut Filter Threshold:10-20, IR Level (Spot):31, IR Level (Spot):31, IR Level (Spot):31, IR Level (Spot):31, IR Level (Mide):46 Name Enabled Trigger Action * Schedule No item has been contained. * D=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notIfication, N=HTTP	Heating State	OFF
Security Video Connection Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Mode:Auto, IR Level (Spot):31, IR Level (Wide):48	Security Video Connection Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action *	Security Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Mirror/Flip: None, Image Video Clip Format: Profile1, Image Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Cut Filter Switch Delay:10s, IR Level (Spot):31, IR Level (Spot):31, IR Level (Spot):31, IR Level (Wide):45 Schedule No item has been contained. No item has been contained. * D=PTE Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, R=BTTP notification, R=BTTP notification, R=MTP notification, N=MENTP No	Temperature	26°C / 78°F
Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Cut Filter Threshold:10-20, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, Di/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network	PoE	Adapter
Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Cut Filter Threshold:10-20, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	Video Connection 0 Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, IR Level (Spot):91, Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, Di/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network	Converting	
Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	Account 2 Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Mode:Auto, IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Cut Filter Threshold:10-20, IR Level (Spot):91, IR Level (Spot):91, IR Level (Wide):45 Fvent List Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=HTTP notification, N=Network	and the second s	0
Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Restated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Bopt):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	Anonymous Viewer Disabled HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):51, IR Level (Spot):52, IR dide:Auto, Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=HTTP notification, N=Network		
HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Mode:Auto, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	HTTPS Disabled IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Jage Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):31, IR Level (Spot):31, IR Level (Wide):46 Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=HTTP notification, N=Network Storage, SD=SD Card Network		
IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	IP Address Filter Disabled Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Image Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spc):91, IR Level (Spc):91, IR Level (Spc):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * No item has been contained. No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=BTTP notification, N=Network Storage, SD=SD Card		
Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	Video Setting Image Mirror/Flip: None, Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=HTTP notification, N=Network		
<pre>Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):46</pre>	Image Rotated: None, Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	Image Rotated: None, Video Clip Format: Profilel, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=BTTP notification, N=Network Storage, SD=SD Card Network		
Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	Video Clip Format: Profile1, Day / Night IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network	Mirror/Flip: None,	
IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network Network		
IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	IR Cut Filter Mode:Auto, IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network Network		
IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	IR Cut Filter Switch Delay:10s, IR Cut Filter Threshold:10-20, IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network Network	Day / Night	
IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45	IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	IR Mode:Auto, IR Level (Spot):91, IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule No item has been contained. No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network Network	IR Cut Filter Switch	h Delay:10s,
IR Level (Wide):45	IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule	IR Level (Wide):45 Event List Name Enabled Trigger Action * Schedule No item has been contained. * P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, B=HTTP notification, N=Network Network	IR Mode:Auto,	hold:10-20,
Event List	Name Enabled Trigger Action * Schedule	Name Enabled Trigger Action * Schedule No item has been contained.		
	Name Enabled Trigger Action * Schedule	Name Enabled Trigger Action * Schedule No item has been contained.	- Event List	
Name Enabled Trigger Action * Schedule	No item has been contained.	<pre>* P=PTZ Action, D1/2=Digital Output 1/2, I=IR, F=FTP Upload, S=SMTP notification, H=HTTP notification, N=Network Storage, SD=SD Card Network</pre>		bled Trigger Action * Schedule
		S=SMTP notification, B=HTTP notification, N=Network Storage, SD=SD Card		
		S=SMTP notification, B=HTTP notification, N=Network Storage, SD=SD Card		
		S=SMTP notification, H=HTTP notification, N=Network Storage, SD=SD Card		
		Network		(=Ulgital Output 1/2 T=TR F=FTP Upload
S=SMTP notification, H=HTTP notification,	S=SMTP notification, H=HTTP notification,		S=SMTP notificatio	on, H=HTTP notification,
S=SMTP notification, H=HTTP notification,	S=SMTP notification, H=HTTP notification,	1CP/IP 10.0.50.52 , HTTP Port:80	S=SMTP notificatio	on, H=HTTP notification,
S=SMTP notification, H=HTTP notification, N=Network Storage, SD=SD Card	S=SMTP notification, H=HTTP notification, N=Network Storage, SD=SD Card	PPPoE Disabled	S=SMTP notification N=Network Storage,	on, H=HTTP notification, , SD=SD Card

5. Setting_Basic Setup

The basic setup allows you to manage the user accounts of your network camera, define the network parameters, set up the date and time settings and most importantly, the video settings.



5.1 Account

nformation	Account List			
asic Setup Account	Uner Name	Viewer Mode		
Network Date Time Video Audio ive View Iayback	admin	Administrator	Shttp://192.168.110/bd Account Setting User Name Password Re-type Password	asic_account_settin_
vent ystem	Add Edit	Remove	Role	Viewer V Cancel
	Anonymous Setti Anonymous Viewe		Cancel	

The network camera allows the creation of different user accounts with different levels of access to the camera. There are three main user levels. The Viewer account only allows viewing the live video page of the camera. The Operator account allows viewing the live video as well as changing the image setup settings, such as brightness, contrast, etc. Only the Administrator account has full access to all camera settings, including the Settings menu. You can define up to nine additional user accounts. The user name and password must be between 4 and 16 characters in length. For each account you can also specify different user authority (Viewer, Operator or Administrator).

Account List:

Click the Add button to create a new user account. A popup window will open up. Here you type in a user name and a password for the new account. Also, you must define the role of the new user account. The example shows how we create a guest account that only has viewing rights, but cannot change any settings.

Click Save to create the new user account.

Highlight an account to either edit or remove it.

Note that the admin user account cannot be removed.

Anonymous Settings:

Enabling this will allow any user to view the live video from the camera live video page without entering a user name or password. If you do not want to allow this to happen, be sure

to set this option to "Disabled."

Anonymous Viewer Enabled -

Anonymous Setting

5.2 Network

On this page you can define the network settings of the camera. By default the camera is set up to automatically obtain the necessary IP information from the DHCP server (e.g., the router) in your network. You can, however, set up the IP address and related settings manually.

5.2.1	TCP/IP
J.Z.I	101711

	TCP/IP PPPoE
O Information	Internet Protocol Version 4 (TCP/IPv4)
Basic Setup Account	MAC Address 00:1B:FE:04:32:4A
Network Date Time Video Audio Live View Playback Event	Obtain an IP address automatically (DHCP) Ouse the following IP address Obtain DNS server address automatically Ouse the following DNS server address Internet Protocol Version 6 (TCP/IPv6)
System	Internet Protocol Version 6 (ICP/IPV6) IP Address fe80:0000:0000:021b:feff:fe04:324a / 64 HTTP HTTP Port • 80 0 (1124 ~ 65534)
	Save Cancel

Internet Protocol Version 4(TCP/IPv4):

MAC address- MAC address stands for Media Access Control address. This is the unique hardware address of the camera's network interface.

Obtain an IP address automatically (DHCP)- This is the default setting. In this mode the camera obtains the IP information from the DHCP server in your network. **Use the following IP address-** Activate this option in order to assign a static IP address to the camera. You need to enter a valid IP address, subnet mask and default gateway address in the corresponding fields.

Obtain DNS server address automatically - automatically use the DNS server settings provided by the DHCP server.

Use the following DNS server address- When you disable DHCP, you also need to provide the camera with valid DNS settings. The Primary DNS server must be filled out. It is often the same IP address as the Gateway address.

Internet Protocol Version 6(TCP/IPv6):

IP address- The IPv6 IP address of camera is automatically assigned by

converting the MAC address of the IP camera. User is not able to modify it.

HTTP:

HTTP port number- The default value is 80 and normally there is no need to change it. If you decide to change the http port to a different value; e.g., 1024, you need to do two things:

First, after saving the settings you need to reboot the camera via the System -> Initialize menu.

Secondly, after the reboot is completed you need to connect to the camera using the URL http://camera_ip:portnumber.

5.2.2 PPPoE

Information Basic Setup	PPPoE	-	
Account	PPPoE On Ooff	F	
Network	Authentication Typ	e PAP V	
Date Time Video	IP Address	0.0.0.0	
Audio	IPv6 Address	0.0.0.0	
Live View	User ID		
Playback	Password		
Event	Re-type Password		
System	Obtain DNS serv	er address automatically	
		g DNS server address	
		Save Cancel	
		Save	

PPPoE is the most common form of connection for DSL-based Internet service.

You can use this function to connect the camera directly to a DSL modem. A common application for this is where the network camera is installed in a remote location where no network is present. In the location is a DSL Internet connection (DSL modem), but no router or any other network infrastructure. You can connect the camera to the DSL modem and

enter your DSL account information in the fields below.

PPPoE:

PPPoE- On

Authentication Type- PAP or CHAP

IP address- Displays the current IP address obtained from the Internet Service Provider (ISP). It displays 0.0.0.0 if the camera is not connected to the Internet via PPPoE.

User ID- Enter the user ID for your DSL service here. The user ID has been given to you by your ISP.

Password- The password for the DSL account goes here. Re-type the password in the field below.

DNS Server- Typically, your ISP will send DNS Server information to the camera when it connects. Some ISPs, however, require entering specific DNS servers manually. In that case you can activate the option "Use the following DNS server address" and enter the primary and secondary DNS servers in the fields below (not shown on the screen shot).

5.3 Date Time

	Date Time	
nformation	Course to Date (Time	
asic Setup	Current Date/Time	
Account	Current Date/Time	2015-01-15 16:59:38
Network	PC Clock	2015-01-15 16:59:38
Date Time Video	Date/Time Format	yyyy-mm-dd hh:mm:ss 🗸
Audio	Synchronization Metho	4
ve View	O Keep Current Setting	
layback		
vent	O Synchronize with clien	It PC
ystem	O Manual Setting	
	Synchronize with NTP	
	Use the following N	ITP server address
	server 1 pool.r	ntp.org Test
	server 2 1.000	I.ntp.org Test
		I.ntp.org Test
	server 4 3.poo	I.ntp.org Test
	Time Zone	
	Time Zone	
	(GMT+08:00)Taipei	~
	Daylight Saving Time O	

On this page you can define the time settings of the camera.

Current Date/Time:

Current Date/Time- Displays the camera's current time.

PC Clock- This is the date and time of the computer you are currently using to connect to the camera.

Date/Time Format- The format determines how the date/time is displayed on the live video.

Synchronization Method:

Keep current setting- You don't want to change the date and time.

Synchronize with client PC- It means to adjust the camera time to your PC. Be aware of the fact that this option sets the time only one time. From that point forward, the camera time will start to differ from your PC time as time progresses, and occasional re-synchronization will be necessary.

Manual Setting- Lets you manually enter the time and date. As with the previous option, the camera's time will become inaccurate as time passes and you will need to

re-synchronize the time periodically.

Synchronize with NTP- This option is the recommended setting. In this mode, the camera will synchronize its time settings based on the interval setting (ranging from once per hour to once per day). The camera obtains the time from the NTP server. You can use the default value unless your camera is not connected to the Internet, or if a firewall in your network blocks the outgoing NTP request of the camera. Select "Manual" and you can enter a different NTP server; e.g., a server in your local network.

Time zone:

Time zone- Select the correct time zone for your location.

Daylight Saving Time- You can define the range of Daylight Saving Time by activating this option. The camera will adjust the time (move the clock forward or backward by one hour) depending on the programmed start and end time. If your camera is not equipped with this feature, you can adjust the time zone manually for Daylight Saving Time.

5.4 Video

The following three menus: Video Setting, Profile and Day/Night, allowing defining all video-related parameters. Note that the Day/Night option as well as other parameters may not be available on all models.

5.4.1 Video Setting

	Video Setting Profile Day / Night
Information	
Basic Setup	Image
Live View	Video Clip Format Profile1 V
Video Audio	Snapshot Format Profile1 V
Camera Setting	
Fisheye Setting	Overlay
O Playback	Overlay None 🗸
C Event	
🛛 System	Privacy Mask
	Name Status
	No item has been contained. Add Edit Remove
	Save Cancel
	©2008-2015 ZAVIO Inc. All Rights Reserved

Image:

Video Clip Format- Select which video profile the camera should be using for video clips it records in such as the network storage device, or SD card.

Snapshot Format- Select the video profile used for snapshots (e.g., for JPG upload to a FTP server).

Overlay:

Overlay- Define what kind of an overlay you want for the live video.

Text Color- Choose between black or white.

Background color- Select from either black, white or transparent.

Display Position- Define where the overlay should appear on the live image.

Privacy Mask:

Privacy masking is the ability of the camera to back out (censor) certain parts of the live video.

Example: The camera is installed in your company; for example, overlooking the warehouse. In one corner of the warehouse is the break room, where the employees go for their lunch breaks. In many countries it is not permitted to monitor the workers during their break. To comply with laws and regulations, you can define a privacy mask in the break area to ensure that this area is not being monitored or recorded by the camera.



Click "Add" to create a new privacy mask.

As you can create multiple masks, you need to provide a name for the mask, and you can define which color you want to overlay to be. Finally, set the status to "Enabled" and click "Save" to create and activate the privacy mask.

Basic Setup Account Network Date Time Video Video Audio Live View Playback Event System	Stream Profile Hame Description Frofile1 profile1 Profile2 profile2 12 123 Add Edit Remove	Profile P13 Resolution 644 Maximum frame rate 30 Quality O Fic	0x480 ~
			Duplex b / g.711_u-law

5.4.2 Profile

The network camera allows the creation of video streaming profiles. For each profile you can define the video resolution, the viewing area and the video codec that is to be used. Click "Add" to create a new profile, "Remove" to delete a profile or "Edit" to modify an existing profile.

Video Setting:

Encoding- Your network camera can encode video in three different formats. H.265 is cutting edge high efficiency video coding that saves 50% bitrate compared to H.264 at the same video quality. Equally, you could get much improved video

quality compared to H.264 in low bitrate situations. Please be warned that H.265 video decoding may consume more processing power, and that many NVRs and/or clients do not support H.265 yet.

Encoding Profile	H264 V	Limitations of resolution set
Resolution Maximum frame rat Quality	2048×1520 ▼ 2048×1520	2048x1520:Profile;1,3 640x480:All profiles 320x240:All profiles
()	Fixed Quality Detailed	
	MaxBitRateFormat 8M	
	⑦ Fixed Bitrate 2M ▼	

Profile- Encoding application offers you three choices- High, Main and Baseline profiles.
Resolution- Here you define the video resolution for the profile. Which choices you have depend on your camera model. Some HD models offer image resolutions of up to 2304 x 1296 pixels whereas standard definition cameras are limited to 320 x 240 pixels.
Maximum frame rate- Type in the number of frames the camera should generate per second of video. The higher the value, the smoother the video, but the more bandwidth is going to be required. Frame rate can be set to up to 30fps.

Quality- You can control the image quality of the video by selecting "Fixed Quality" (or refers to VBR) and defining the image quality by selecting one of the following values "Medium," "Standard," "Good," "Detailed" and "Excellent." Or you can choose to specify the bit rate (fixed bitrate or CBR) of the video the camera must not exceed. In this mode the camera varies the image quality automatically to not exceed the specified maximum. With setting fixed quality plus maximum bitrates, the camera would try to meet the quality requirement without exceed the certain bitrates.

Audio Setting:

Audio Steam- You can select "On" or "Off"

Audio Setting	
Audio Stream	On 🗸
Current Audio Settin	g
Audio Mode	Full Duplex
Audio Input	0db / g.711_u-law
Audio Output	6db

5.4.3 Day/Night

Information		
Basic Setup	Day / Night	
Account	IR Cut Filter Mode	
Network	IR Cut Filter Switch Delay 10 🗸 Sec	
Date Time	IR Cut Filter Threshold 10 Dark	20
Video Audio	IR Mode Auto ~	
Live View	IR Level Dark (Bright
Playback	IR Angle Spot	Wide
Event	Andre der der der der der der der der der	utut
System		
	Save Cancel	

Some network cameras are equipped with active IR LEDs providing the

ability to capture video in complete darkness. Note, that if your camera is not equipped with IR LEDs, this menu will not be available. Also note that some menu items will vary depending on your camera model.

Infrared cut-off filters are designed to reflect or block mid-infrared wavelengths while passing visible light. They are often used in network video cameras to block IR due to the high sensitivity of many camera sensors to near-infrared light. With the filter in place before the image sensor, the camera will not be able to pick up IR light, but it generates true color video. Once the IR cut filter is removed, the camera becomes IR light sensitive and will generate a black and white image – and it does that even in complete darkness if the IR LEDs are active.

Day/Night:

IR Cut Filter Mode-

Auto-- The camera decides when to remove the IR cut filter based on the IR Cut Filter Threshold you can specify. The switch delay ensures that the camera only

IR Cut Filter Mode



switches the IR Cut Filter after the specified amount of time has passed.

Night Mode-- This is the opposite of the day mode. If this mode is enabled, the camera always removes the IR cut filter. As a result, the camera will always be IR sensitive, regardless of the actual light levels, and the image will be rendered in B/W mode. Using night mode in day light conditions is not recommended as it leads to a poor image quality with false and washed out colors.

Day Mode-- In this mode the camera does not remove the IR Cut Filter from the image sensor regardless of any other settings. So only visible light will pass through and the image will be in color mode

Schedule-- Select this option, if you wish to control exactly when you want the camera to engage the night mode. You can use the internal scheduler to define a time pattern for each day of the week, e.g., no night mode on the weekends, but night mode from MON to FRI from 21.00 hours to 06.00 hours. The scheduler is explained in detail later on.

IR Cut Filter Switch Delay- For user to define the time duration (how many seconds) between IR being turned on or off from the current status.

IR Cut Filter Threshold- Here we use an example to explain how IR cut filter threshold works. If you set Dark as 30 lux and Bright as 70 lux, that means when luminance is less than 30 lux, the camera switches to night mode(B/W), and when luminance is more than 70 lux, the camera switches to day mode(color), if the luminance is between 30 lux and 70 lux, the camera stays in current mode.

5.5 Audio

 Information Basic Setup Account Network Date Time Video Audio Live View Playback Event System 	Audio Setting Audio Input Audio Input Gain Audio Encoding g,711_u-law Audio Output Audio Output Gain Save Cancel

Audio Input:

Audio Input Gain- Select the microphone input gain value you wish in the drop-down menu, and based on your region to select the proper codec and save all setting.

Audio Encoding-

g.711 u-law-- One codec for "Computer Audio", used in North America & Japan areas.

g.711 a-law-- Another codec for "Computer Audio", used in Europe and the rest for the world.

AMR-- An audio codec of the third generation communication for mobile PHONE. While the option selected, your mobile phone will receive the audio file from IP Camera. And you can choose the bit rate from 4.75k to 12.2k. However, the usage of this codec will cause frame-rate decreasing.

g.726

Audio Output:

Audio Output Gain- Select the speaker output gain value you wish in the drop-down menu and save it.

Note: The camera does not support echo cancelling, using the full duplex mode may cause audio feedback.

6. Setting Live View

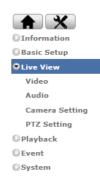
The Live View menu provides access to the video settings, which are exactly the same as described in the last section 5.4 & 5.5. It also provides access to advanced image settings and allows configuring the view areas that we discussed in the previous section. Note that depending on your camera model, the options on the screen may differ from the screen shots in this user manual.

6.1 Video

The same as described in the last section 5.4.

6.2 Audio

The same as described in the last section 5.5.



6.3 Camera Setting

6.3.1 Image Setting

	Image Settings ROI
Information Basic Setup	Live View
 Live View Live View Video Audio Camera Setting Fisheye Setting Playback Event System 	
	Image Enhancement Brightness 100 Saturation 38 Contrast 75 Sharpness 79 Default 0 0 0
	White Balance Cool → Warm Color Tone Cool → Warm Auto White Balance Auto
	Exposure Setting Exposure Frequency Auto Automatic Exposure 15 Exposure Time 1/10000 Sec. (Min.) ~ 1/30 Sec. (Max.) Gain 1 X (Min.) ~ 64 X (Max.) Low Light Behavior O n () Off Default
	Mode Off ✓
	Noise Reduction 2D Denoise Auto 3D Denoise Auto
	Defog Mode Off v
	Save Cancel

Image Enhancement:

The image enhancement controls consist of standard video settings, which you know from a great variety of products. Click on "Video" to see the camera live video while you adjust the settings to your liking.

White Balance:

Color Tone- Choose between "Cool" and "Warm". Normally you want to set this to real as it provides the best representation of natural colors.

Auto White Balance- This parameter controls how the camera interprets colors. You can choose from the following values: "Auto," "Hold Current", "Fluorescent," "Incandescent," "Sunny," "Cloudy", "Sun Shade" and "Manual" You should select the value that best represents the environment the camera is installed in. You can also leave the default value "Auto," as it typically delivers very good results.

Exposure Setting:

Exposure Frequency- There are four values: "Auto," "50Hz," "60Hz" and "Hold Current." If your camera is installed so that it's facing outside, you should select "Auto." If your camera is installed indoors, you must select the appropriate light frequency (either 50 or 60 Hz; e.g., in the US select 60 Hz, in Germany, Poland or Italy select 50 Hz). The hold current option fixes the current exposure settings.

Automatic Exposure- You can manually set the exposure value, which ranges from 0-100 (dark to bright). The default value is 25 and typically provides good results. **Exposure Time-** You can define the minimum and maximum exposure time of the camera's shutter here. We recommend using the smallest exposure time (e.g., 1/10000 sec) for the min value as it ensures the camera will generate crisp images during day time conditions in which even moving objects appear sharp and in focus. As for the max value, the bigger the value, the longer the camera keeps the shutter open in low light conditions allowing more light to fall onto the image sensor. As a result, the camera can capture images even in very dark environments. The downside is that moving objects will appear blurred as the move while the camera's shutter is open.

Gain- The camera is equipped with an electronic gain mechanism which helps capture image in dark conditions. The higher the gain, the brighter the image, but the downside is that the image contains more noise.

Low Light Behavior- When enabled, this opens allows additional control over the camera when it is running in night mode.

Wide Dynamic Range:

WDR stands for Wide Dynamic Range and allows the network camera to capture video in areas with high contrasting objects; e.g., extremely bright and extremely dark. Activate WDR by setting it to "Auto" and then adjust the level that controls the amount of WDR enhancement.

Noise Reduction:

Your camera features a noise reduction algorithm, which helps reduce the graining in the video, which occurs under low light conditions. Set this parameter to "Night Mode" to only activate noise reduction when the camera is operating in night mode. You can also

select "Schedule", "On" (activates noise reduction permanently) or "Off" (deactivated noise reduction permanently).

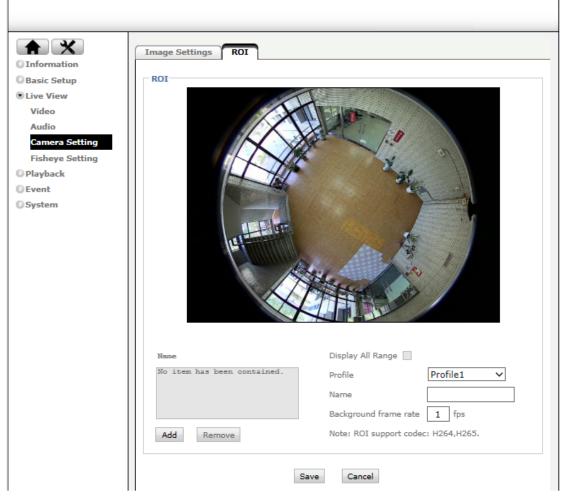
3D Denoise:

Improves video noise reduction to deliver sharper, more accurate images.

Defog:

When the weather becomes foggy, you can turn on software defog function which will increase image contrast to make it clearer.





ROI :

ROI is an application for strengthening the image clarity in key regions of a scene. Please refer to the picture below. The framed regions are clearer than the other region. First, please fill in a name and click add, and then you'll see a rectangle frame on the live-view screen. Select a region which you want the view to be clearer, and then click save. If you want to see the regions you have set, please click Display All Range.

Background frame rate: you can set background frame rate to be lower than profile video frame rate so that more bitrate will be used in key areas, increasing video

quality where it matters most.

Note: For each profile, the ROI sets are limited to 3, and ROI only support codec H.264 & H.265.

6 Setting_Playback

The network camera offers an integrated playback feature, from a network storage server or the optional SD storage card.



7.1 Client PC

You can use this to play H.265 codec video clips in your PC.

7.2 Network Storage

In the event settings (see section 8) you can define a local network storage drive (NAS) as a location for the camera to save videos. The video player allows locating recordings quickly and conveniently on the network storage drive and play back the files right in your web browser.

	2MP Bullet Camera
 Information Basic Setup Live View Playback Client PC Network Storage Edge Storage 	Network Storage Recording List Please add network storage server first

There are two folders: "Event" which is for event-triggered recordings, e.g., motion detection alerts, and "Schedule" which contains recordings that the camera recorded if scheduled recording is enabled.

cording List		
PC smers001BFE041FF1/		
Folder	File Name	Size
Event/		
Schedule/		

Refer to the section 8 "Event" for more details on the setup.

IPC amera001BFE041FF1/		
SGEREE		
Folder	File Name	Size
/		
20130314/		
20130315/		
20130321/		

Above: Each day has its own folder.

IPC smers001BFE041FF1/		
Folder	File Name	Size
-/		
13/		
14/		
16/		
17/		
18/		
19/		
22/		

Above: Each hour of the day has its own folder.

IPC amera001BFE041F	'F1/	
Folder	File Name	Size
/		
	551397_video20130314175349_MD.avi	5.01MB
	551397_video20130314175449_MD.avi	5.01MB

Above: Individual videos can be played back by selecting them and clicking the play button.



Above: Playback of one event recording in the web browser (MSIE only).

Item Description

5	Move one folder up
45	Refresh the view
	Delete the selected file
×	Select all items in the folder
	Playback the selected video
+	Download selected item to your computer's hard drive.

7.3 Edge Storage

2MP Bullet Camera

Edge Storage

ecording List

G

IPCamera001BFE03E93B/

Folder

Information

Basic Setup

Live View

Playback
 Event

System

Event Server Event List Motion Detection Schedule

	Edge Storage		
Information	Burnelling High		
Basic Setup	Recording List		
C Live View			
Playback	Folder	File Name	Size
-		Gate_2013_08_23	1025.68MB
Client PC		PlayGround_2013_08_23	1025.84M8
Network Storage		Hallway_2013_08_23	1025.74MB
Edge Storage			

If your camera is equipped with a local storage option (recording on an SC card) you can access the recordings from here.

×

Information

Basic Setup

Live View

Playback

Client PC Network Storage

It functions similarly to the access of files on the network storage device.

8 Setting_Event

Your network camera supports so-called events. when an event occurs, you can have the camera perform an action, e.g., record a video to a remote location. This section describes how to set up event servers, events, motion detection and the scheduler.

8.1 Event Server

First you need to set up an event server, or multiple event servers.

8.1.1 Event Server

Information	Event Server SD Card	(a) http://192168110/ - Server Configuration - Internet Explorer
Basic Setup	Event Server	General
Live View Playback	Name Protocol No item has been contained.	name
Event	or som has seen tomaster.	Server Setting
Event Server		Server type FTP
Event List		SMTP Network Address HTTP
Motion Detection		Network Storage
Tampering Detection		
Schedule		Upload Path
System	Add Edit Remove *Betwork storage server can only	User Name
	· month storage server can only	Password
		Re-type Password
		Passive Mode O on ® Off
		Test
		Media Setting Available memory buffer 50700 / 51200 KB
		Attached Type Snapshot
		Send 0 Pre-event Image [0~7]
		Send 0 Post-event Image [0~7]
		Image File Name

Click "Add" to create a new event server.

Add a FTP Server

General:

Name- Provide a name for the server.

Server Setting:

Server Type- Select "FTP"

Network Address- Type in the address of

your FTP server.

Server Port- Leave at 21, unless your FTP server uses a different port.

Upload path-upload path

User Name and password- Provide valid login credentials for the FTP server.

Re-type Password-type password again

Passive Mode- Select "On" if your FTP server utilizes passive FTP, which is the most common method.

Test- Press on Test button to make

sure the FTP server information is all correct.

Add a SMTP Server

Server Setting:

Server Type- Select "SMTP." Mail Server- Type in the address of your mail server.

	Server Setting	
rect.	Server type	HTTP
	URL	http://
	Port	80
Server	User ID	
Server	Password	
Mail S	Re-type Password	
Servei	Proxy Address	
Authe	Proxy Port	
Send r	Proxy User Name	
Send t	Proxy Password	
		Test

Server Setting	
Server type	FTP
Network Address	FTP SMTP
Server Port	HTTP Network Storage
Upload Path	
User Name	
Password	
Re-type Password	
Passive Mode	💿 On 🖲 Off
	Test

Server Port- Adjust the server port if necessary. Port 25 is standard, but your server may be using different values (not so uncommon these days as an anti-spam measure). **Authentication**- If your mail server requires authentication in order to send email, and most servers do these days, set authentication to "On" and define the type of authentication below.

User Name and password- Provide valid login credentials for the email server. Send mail from- The camera will use this address as its own email address. This email address does not necessarily need to be a valid address.

Send test email to- Enter the email address to which you want the camera to send the images and click on Test. If the test succeeds you can provide the information for the media settings and click "Save". The actual target email address is defined when you set up an event in the next section.

Add a HTTP Server:

A HTTP server can be used by the camera to trigger a script on a remote server if an event occurs. User name, password and proxy fields are all optional.

Adding a Network Storage:

Server Type- Select "N	etwork Storage."			
Type- Select a valid	Server Setting			
Type- Select a valid	Server type	Network Storage 🔻		
type for your	Туре	Windows Network (SMB/CIFS) 🔻		
network storage	Network Storage Location			
(either Windows SMB	(for example: \\my_nas\folder)			
or Linux NFS).	Workgroup			
Network Storage	User Name			
Location- Enter the	Password			
address of your local	Re-type Password			
storage server as	Create Folder			
shown on the right.		Test		

User Name and password- Provide valid login credentials for the network storage server.

Create Folder- Type in a folder name in which you want the camera to store files. This field is optional.

Test- Press on Test button to make sure the NAS information is all correct.

Media Settings:

Here you define what kind of media you wish to upload (snapshot, video), how many images pre and post event you wish to upload, the image file name and the suffix.

tached Type Video	~	
	conds [0~7]	
st-event Recording 1 s	econds [1~7]	
nage File Name		
uffix O None O Date Time		

8.1.2 SD Card

Basic Setup Itive View Playback Event Event Server Event List Motion Detection Tampering Detection Schedule System	SD Card Memory Card On On Off Format Execute Save Cancel	
--	---	--

If you want to record video footage on a local SD card, you first must insert the SD card (see hardware installation guide for details), and then you must set the Memory Card to "on" and format the card by clicking "Execute."

Noted: Only FAT32 is supported, please do not format the SD card to other format.

Noted: Please power off the camera before taking off memory card.

8.2 Event List

Now that we have created an Event Server, we can proceed with setting up actual events.

 Information Basic Setup Live View Playback Event Event Erver Motion Detection Tampering Detection Schedule System 	Event List Scheduled Recording Event List Name Name Enabled No item has been contained. Add Edit Remove * D1/2=Digital Output 1/2, F=TP Uplot S=STP notification, H=KTP notification, H=NTP Not	

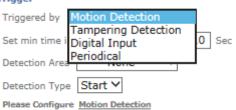
8.2.1 Event List

Click on the "Add" button to begin.

Trigger:

You need to specify the trigger type. The drop-down list below shows the available options. Note that depending on your camera model, the options will vary.

Trigger



Motion Detection- The camera monitors the video image for movements and triggers an alert when it detects motion. Motion detection needs to be configured first for that to work.

Tampering Detection- The camera can detect if it's being tampered with, e.g., if someone covers the lens, and triggers an alert when this happens. Tampering detection needs to be configured for that to work.

Digital Input- If your camera is equipped with digital inputs (see hardware installation guide), then you can use them as a trigger mechanism. A common example would be to use 3rd party motion detection sensors that trigger the camera to start a recording. **Periodical-** This trigger type can be used if you want the camera to perform the same action over and over again, based on a time period. A typical application would be to have the camera refresh an image on your web site every 60 seconds.

Network link down- When camera network link is down, the camera triggers an alert.

Action:

After you have selected the tripper type, you now have to define the action(s). In other words, what do you want the camera to do if the event occurs?

Action			
Send Image			
Event Server			
Name	Type	Media	
Please Configur	e Event Server	or SD Card	
Send Notificatio	n		
Please Configur	e HTTP Server		
Activate Digital	Output		
Digital Outp	ut1		
Digital Outpo	ut2		
PTZ Action			
• Go to preset	position	None 🗸	
Return to	last position a	after event.	
O Run Guard T	our No	one 🗸	
Please Configur	re <u>PTZ</u>		

Send Image- Instructs the camera to send out images. When selected, you need to specify whether you want to use FTP, network storage or SD card. You may need to set up these servers first (see previous section) in order to use them here.

Send Notification- This action type uses the HTTP event server. You can use this to have the camera trigger a script on a server.

Activate Digital Output- If your camera is equipped with digital outputs, then you can use them to perform an action. You can specific how long you want the camera to trigger the event once you have selected Digital 1.

Schedule:

Here you can define when you want this action to be active. You can choose between "Always" or a schedule that you have defined (see "Schedule" a few pages down).

Schedule		
Always		
Schedule	Working_Day 🔻	
Please Configure Schedule		

8.2.2 Scheduled Recording

	Event List Scheduled Recording	
Basic Setup	Scheduled Recording	
Live View	Name Enabled Trigger	Action Schedule
Playback	No item has been contained.	
Event		G http://192.168.1.10/ - Scheduled Configuration - I
Event Server		General
Motion Detection		Name
Tampering		Scheduled On O Off
Detection		
System	Add Edit Remove	Action
		File Size 10 (1~50 MB)
		Event Server
		Please Configure Network Storage or Local Storage
		Network storage server can only be added once.
		Schedule
		Always
		O Schedule Working_Day ~
		Please Configure Schedule
		Save Cancel

Schedule Recording:

This feature is allowing the camera to record the video by following a certain schedule such as always record or record the video during the weekend.

Action:

Define each recorded video file size to save.

You can choose to store the video to NAS or SD card, which need to be pre-configured in event server.

8.3 Motion Detection

↑ X	Motion Detection	
Information		
Basic Setup	Motion Detection	
Live View	Fi	ree 64CH NVR Software . 🎹
) Playback	1000	CamGraba 2.0
Event		
Event Server	//8	
Event List		
Motion Detection Tampering		
Detection		
Schedule		
	Name	Display All Range 🗐
	No item has been	contained. Name
		Threshold 50
		Sensitivity 50
	Add Remove	1
	1	
		Save

The network camera is able to monitor the video footage for movements and trigger an alert if motion has been detected. This motion detection does not utilize passive infrared, but instead it relies on a frame by frame comparison of the video footage the camera captures. You can define more than one motion detection area. The example above shows that so-called hotspot has been created for the area of the window. When you set up an event for motion detection, you can select which motion detection area you wish to monitor. Threshold and sensitivity will need to be set up so that you don't miss important events and are not flooded by false alarms either. Finding the right values will require some trial and error. There are no standard values that simply "will work" as it depends very much on the actual location and light levels. Generally speaking, increasing the sensitivity while lowering the threshold will generate more false alarms but it ensures that you will not miss an important event. Doing the opposite will of course have the opposite effect: Fewer false alarms at an increased risk or missing an important event.

8.4 Schedule

* *	Schedule	
Information Information Itive View	Schedule List Name Working_Day Weekend Night_Mode	
Event List Motion Detection Tampering Detection Schooling	General Name Schedule	
	Start Time 00 : 00 - End Time 24 : 00 Mon (Empty) Add Remove 0 1 2 3 4 5 6 7 9 2 10 Tue (Empty) Add Remove 0 1 2 3 4 5 6 7 9 2 10 Tue (Empty) Add Remove 4<	dimlindindind

The Network Camera supports event trigger actions that can be based on a schedule. This can be used, as an example, to only activate motion detection between 9 pm and 6 am during

business days and around the clock on the weekends. You can set up individual schedules for each event type, so that motion detection is activated between 7 pm and 7 am, but tampering detection is only activated between 10 pm and 4 am.

Name		
Working_Day		-
Weekend		
Night_Mode		

Depending on your camera model, the screen layout will vary slightly.

There are three default schedules which you cannot delete, but you can modify them. You can create a new schedule by clicking "Add."

Start Time 00 ▼ : 00 ▼ - End Time 24	•:00 •
Mon 08:00-17: ▼ Add Remove	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Tue 08:00-17: Add Remove	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Wed 08:00-17: Add Remove	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Thu 08:00-17: Add Remove	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Fri 08:00-17: • Add Remove	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Sat (Empty) - Add Remove	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Sun (Empty) - Add Remove	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
🔲 Use the same time schedule every day.	

First you need to provide a name for the schedule (not shown on image). Then select a start and end time and click on "Add" for the day of the week the schedule is supposed to be active. As soon as you add a schedule, the timeline turns red, indicating the active schedule. If the schedule is the same for every day of the week, you can activate the option "Use the same time schedule every day."

9 Setting System

The system menu provides access to a variety of system settings of your network camera.



Information
Basic Setup
Live View
Playback
Event
System
Maintenance
Date Time
Security
Network Basic
Network Advanced
Digital I/O
PoE
LED
System Log

A X	Maintenance	
Information		
Basic Setup	Restart	
Live View	Restart Restart this network camera now	
Playback	Auto Restart O On Off	
Event		
System	Backup / Restore	
Maintenance		
Date Time		
Security	TCP/IP Date Time	
Network Basic	Backup Backup the configuration of this network camera	
Network Advanced	Restore 演覽	
Digital I/O		
LED	Restore configuration to this network camera from chosen file:	
System Log		
	Firmware Upgrade	
	Firmware Upgrade 瀏覽	
	Upgrade firmware to this network camera from chosen file:	
	Language	
	Upload 須賀	
	Upload language pack to this network camera from chosen file:	
	Save Cancel	
I		

9.1 Maintenance

Restart
Restart Restart this network camera now
Auto Restart 🕘 On 💮 Off
(a) Sequential mode
Every 1 Day
Schedule Mode

Restart:

You can restart the network camera by hitting the restart button. Set Auto Restart to "On" if you wish to reboot the camera automatically, and then you specify the reboot mode. Select "Sequential mode" and specify after how many days of uptime you want the camera to reboot. Select "Schedule Mode" to control when the reboot is to occur in a much more detailed way.

Backup/Restore:

Default- Click this button to restore he factory default settings in this camera. You can choose to exclude the IP and date & time settings.

Backup- This function allows saving the current configuration of the camera to a file on your computer's hard drive. Saving the configuration is useful in case you ever want to reload a specific configuration; e.g., in order to set up another camera of the same model and firmware version with the exact same configuration. Since the IP address

configuration is also part of the setting date, you must be careful not to restore the same settings to two or more cameras when all of them are connected to the same network. Otherwise, you would be creating an IP conflict in your network.

Restore- With this function, you can reload a previously saved configuration back into your camera. Click Browse to locate the configuration file and OK to begin the process. The camera will perform a reboot at the end of the procedure and the new settings will become effective.

Firmware Upgrade:

From time to time, there will be a new firmware version available for your camera. New firmware versions can enhance the functionality of the camera, or they can fix problems. Before you begin, make sure that you have obtained a proper firmware from the web site. If you are not 100% sure about this, do not proceed. Instead, contact the technical support team to verify the firmware version. Also, do not perform the upgrade from a computer that is connected to the network wirelessly, as the connection is inherently less stable than a cable-based connection. If you have the correct firmware file, make sure that you un-compress the ZIP file first (if the firmware file is an archive) and you end up with a file that has an extension *.bin. Click on Browse and select the *bin file. Click on OK to begin the upgrade process.

Language:

You can replace the language in the user interface of your network camera. On the Installation CD are different language files starting with "LNG_" and ending with ".lang." Click on Browse, select the language you wish to install and then click on OK to begin the process.

9.2 Date Time

40

ive View Cur layback PC vent Dat Maintenance Date Time Ok Security Ok Network Basic Os	ent Date/Time rent Date/Time Clock e/Time Format chronization Method eep Current Setting ynchronize with client PC	2015-02-02 14:45:51 2015-02-02 14:45:51 yyyy-mm-dd hh:mm:ss ♥
layback PC vent Dat ystem Dat Maintenance Sync Security OK Network Basic OS	Clock [e/Time Format [chronization Method	2015-02-02 14:45:51 yyyy-mm-dd hh:mm:ss ♥
vent Dat ystem Dat Maintenance Date Time Ok Security Ok Network Basic Os	e/Time Format	yyyy-mm-dd hh:mm:ss 💙
Vetwork Basic	chronization Method	
Maintenance Date Time Security Network Basic Network Advanced	eep Current Setting	· · · · · · · · · · · · · · · · · · ·
Security OK Network Basic OS Network Advanced OM	eep Current Setting	· · · ·
Network Advanced		
Network Advanced	ynchronize with client PC	· · · · · · · · · · · · · · · · · · ·
	anual Setting	
Digital I/O	ynchronize with NTP	
LED	Use the following NTP s	server address
System Log	server 1 pool.ntp.	
	server 2 1.pool.nt	
	server 3 2.pool.nt	
	server 4 3.pool.ntp	p.org Test
Tim	Zone	
	e Zone	
	MT+08:00)Taipei	~
	light Saving Time O On	
Day	light saving time O on	
		Save Cancel
		Save

Refer to section 5.3

9.3 Security

Information	Account IP Address Filter HTTPS
Basic Setup Live View	Account List User Name Viewer Mode
© Playback © Event © System Maintenance Date Time Security Network Basic Network Advanced Digital I/O LED	admin Administrator clouduser Administrator
System Log	Anonymous Setting Anonymous Viewer Disabled V Save Cancel

9.3.1 Account

Refer to 5.1

9.3.2 IP Address Filter

Account IP Address Filter HTTPS Information Basic Setup Live View Playback Event System Maintenance Date Time Scurity Network Basic Network Advanced Digital I/O LED System Log Add Edit Save Cancel		
	 Information Basic Setup Live View Playback Event System Maintenance Date Time Security Network Basic Network Advanced Digital I/O LED 	General Setting IP Address Filter Filter Type Allow ♥ IP Address Range No item has been contained.

Once you enabled it, the listed IP address are allowed or denied access to the network camera. Add the IP address that you'd like to allow or deny, select allow or deny from the list and save it.

	Account IP Address Filter HTTPS
Information Basic Setup Live View Playback	Create / Install Create self-signed certificate
© Event © System Maintenance Date Time Security	Installed Certificate Subject Name No Certificate Installed. Properties Remove
Network Basic Network Advanced Digital I/O LED System Log	HTTPS Connection Policy Administrator HTTP V Operator HTTP V Viewer HTTP V Set Policy

9.3.3 HTTPS

Secure Sockets Layer (SSL) is a cryptographic protocol that provides security for communications over networks such as the Internet.

HTTPS is a URI scheme used to indicate a secure HTTP connection (SSL encrypted). It is syntactically similar to the http:// scheme that is normally used for accessing resources using HTTP. The differences are that SSL-encrypted connections always begin with https:// instead of http://. HTTPS connections use TCP port 443 by default, compared to standard HTTP connections, which use port 80.

Create & Install:

Create a self-signed certificate for HTTPS to recognize.

Installed Certificate:

Display or remove the properties of the installed certificate.

HTTPS Connection Policy:

Set HTTPS connection policy for different level of users.

To use the HTTPS encryption, please set up "Create self-signed certificate" for the first time you use the HTTPS function, and then set up the connection policy for different users.

Note: When enable HTTPS with RTSP on mode, the IP Camera only protect the setting such as username and password and do not protect video and audio. When enable HTTPS with RTSP off mode, the IP Camera will protect all setting including video and audio.

9.4 Network Basic

	ТСР/ІР РРРоЕ
Information Basic Setup Live View Playback Event System Maintenance Date Time Security Network Basic Network Advanced Digital I/O LED System Log	TCP/IP PPPoE Internet Protocol Version 4 (TCP/IPv4) MAC Address © Obtain an IP address automatically (DHCP) Use the following IP address O Obtain DNS server address automatically • Use the following DNS server address Preferred DNS Server IO • 0 Alternate DNS Server O • 0 Internet Protocol Version 6 (TCP/IPv6) IP Address fe80:0000:0000:0242:70ff:fe00:3022 / 64
	Save Cancel

9.4.1 TCP/IP

Refer to section 5.2.1

9.4.2 PPPoE

Refer to section 5.2.2

9.5 Network Advanced

9.5.1 RTSP

 Information Basic Setup Live View Playback Event System Maintenance Date Time Security Network Basic Network Advanced 	RTSP UPnP Bonjour DDNS General
Digital I/O LED System Log	

General:

RTP Port Range- The default value of port range is 5000 ~ 7999 and can be changed from 1124 to 65534.

RTSP Port- RTSP stands for Real Time Streaming Protocol. RTSP is supported by most media clients, such as Real Player, VLC and QuickTime. If you only plan to view the camera video with your Web browser or with one of the provided software utilities, you do not need to activate this option. The default value is 554 and can be changed from 1124 to 65534.

RTSP Configuration:

This option allows you to set up the URL for each profile and define whether or not you want to enable or disable authentication. By default, the video URL and profile number are related, e.g., profilex = video.prox, but you change it any way you like. Based on the default URLs, access to the RTSP streams would be done like this:

rtsp://camera_address:554/video.pro1

rtsp://camera_address:554/video.pro2

rtsp://camera_address:554/video.pro3

rtsp://camera_address:554/video.pro4

If authentication is enabled, the URLs will change as follows:

rtsp://username:password@camera_address:554/video.pro1

[...]

rtsp://username:password@camera_address:554/video.pro4

9.5.2 UPnP

Information Basic Setup Live View Playback Event System Maintenance Date Time Security Network Basic Network Advanced Digital I/O LED System Log RTSP UPnP Bonjour DDNS Image: Cancel RTSP Security Network Advanced Digital I/O LED System Log RTSP UPnP UPnP UPnP © On O Off UPnP Ort © 0 0 (1124 ~ 65534) SEL Port © 554 0 (1124 ~ 65534) Device Name 2M Outdoor Dome Save Cancel
--

UPnP stands for Universal Plug and Play. A UPnP-enabled device, such as your network camera, announces its presence in the local network to other computers that support UPnP as well. The operating systems Windows XP, Windows Vista and Windows 7/8 support UPnP. When the network camera is connected to the network, Windows will alert the computer user of the presence of the new device (a new icon will be added to your My Network Places folder) and lets the user connect to the device instantaneously.

Furthermore, UPnP has the ability to instruct the router or firewall to open certain ports, so that a party from the outside world can contact a device on the local network, such as the network camera.

UPnP port forwarding is not supported by all routers, however. So, depending on your router or firewall, you may or may not be able use this function, also, opening ports in any router or firewall increases the risk of an intruder successfully breaking in to your network. UPnP automates this task and leaves it to the devices to negotiate which ports to open. Since this is done without any form of authentication, enabling UPnP port forwarding in your router is not necessarily a good idea in a security-sensitive environment. You can always open individual ports in your router or firewall manually.

In the camera UPnP is enabled by default. UPnP port forwarding is disabled by default. When you enable UPnP port forwarding, the screen will reveal additional options. These are the ports the camera will instruct the router to open. Depending on the camera model, you may see different ports. The new H.264 Megapixel cameras have a simpler port model and require fewer ports than the other models. Normally there is no need to change any of these ports, unless you know that a port is already in use by a different device or application.

9.5.3 Bonjour

 Information Basic Setup Live View Playback Event System Maintenance Date Time Security Network Basic Network Advanced Digital I/O LED System Log 	RTSP UPnP Bonjour Bonjour On O Off Device Name Save Cancel

UPnP Bonjour is a service that, just like UPnP, helps to find the network camera on the network. Bonjour is available for Windows, but is more commonly used for MacOS.

Bonjour:

Bonjour On- Enables the service (on by default).

Bonjour Off- Disables the service

Device name- Enter the name of your camera here. This is the name the Bonjour service will display. If you have more than one camera installed in your network, this is an easy way to differentiate among the cameras.

9.5.4 DDNS

	RTSP UPnP Bonjour DDNS
Information	RTSP UPnP Bonjour DDNS
Basic Setup	DDNS
Live View	DDNS On O off
Playback	Server Name
Event	
System	User ID
Maintenance	Password
Date Time	Re-type Password
Security	Host Name
Network Basic	Periodical Update Auto
Network Advanced	
Digital I/O	○ Periodical 5 ∨ min
LED	
System Log	Save Cancel

If you are not planning on connecting to the network camera over a remote connection, but only in your local network, you can skip this section.

Dynamic DNS is a network service that provides the capability for a networked device, such as a router or computer system, to notify a domain name server to change, in real time (ad-hoc) the active DNS configuration of its configured host names, addresses or other information stored in DNS.

In simpler terms: Users of private Internet services are often faced with a problem: The ISP typically changes the IP address assigned to the user based on a time interval. This may be as often as once every 24 hours or as seldom as once every 30 days. For the average user this is not a problem. However, if you want to be able to connect to the local camera (e.g., in your house) from a remote location (e.g., the office), you need to know under which Internet address the camera can be reached. However, you don't know what the current Internet IP address is. So you are beginning to see the problem.

DDNS solves this problem by allowing you to create a domain name for your home network, which you can always use to access the camera. To use the DDNS function, you will need to do the following two things.

First, create a DDNS hostname with a DDNS service provider

Secondly, set up a DDNS client in the home network that contacts the DDNS service provider and updates the IP information.

If the router in your home network is equipped with a DDNS client, we recommend using the router instead of the camera. Most SOHO routers are equipped with a DDNS client and since the router is in direct control of handling the Internet connection, it's the device best suited for the DDNS task.

Server Name- Select the DDNS provider of your choice. In our example we use no-ip.com.

User ID- Enter the same user name here that you use to log in to your account settings on www.dyndns.org. Do not enter your DSL user account information here.

Password- Enter the password for your no-ip.com user account here. Re-type the password in the field below.

Host name- You need to enter the full host name that you have created in your no-ip.com account here.

Periodic Update- You can either specify the time in minutes after which the camera will update its IP information with the DDNS provider, or you can leave the setting as "Auto", which is recommended.

Click "Save" to activate the settings. Reboot the camera to activate the DDNS settings. After a reboot you may need to wait for a few minutes before you can access the camera with the new domain name.

9.6 Digital I/O

 Information Basic Setup Live View Playback Event System Maintenance Date Time Security Network Basic Network Advanced 	Digital I/O Port Input 1 Input 2 Output 1 Output 2	Normal open circuit open circuit open circuit open circuit	~ ~ ~ Sav	open circuit open circuit open circuit	
Digital I/O LED System Log					

If your network camera is equipped with a digital I/O interface, you can configure the connections on this page. The screen shows the current status of input 1/ input 2 and output 1/ output 2. The screen also allows you to define the "normal" state of the port. The normal state can be viewed as the "non-alert-state."

9.7 LED

 Information Basic Setup Live View Playback Event System Maintenance Date Time Security 	LED Indicator Show LED indicator for normal operation Hide LED indicator for normal operation Save Cancel
Network Basic Network Advanced Digital I/O LED System Log	

You can enable or disable the operation LEDs on your network camera. Hiding the LED indicator will make the camera appear to be offline while in fact it is operational and captures video.

♠ 🗙	System Log	
Information		
Basic Setup	System Log	
Live View	Enable Remote Log	
Playback		
	Server Name	
Event	Server Port	
System		
Maintenance	Save Cancel Clear	
Date Time		
Security	Contraction of the second s	
Network Basic	Current Log	
Network Advanced		
110111011110101000	Feb 16 08:11:21 P6210-001BFE052753 syslog.info syslogd started: BusyBox	
Digital I/O	v1.20.2 Feb 16 08:11:21 P6210-001BFE052753 daemon.err inetd(1140): /etc/inetd.conf:	^
LED	No such file or directory	
System Log	Feb 16 08:11:23 P6210-001BFE052753 user.err PTZMRNAGER: main: Unable to	
2 The second	open /proc/pwm Feb 16 08:11:40 P6210-001BFE052753 daemon.info init: starting pid 1600,	
	tty '': '/sbin/getty -L ttyS000 115200 vt100 -n root -I "Auto login as	
	Feb 16 08:11:40 P6210-001BFE052753 auth.info login[1600]: root login	
	on 'ttyS000'	
	Feb 16 08:11:58 P6210-001BFE052753 user.info STREAMD: rtsp://192.168.1.10:554/video.prol connect	
	Feb 16 08:12:04 P6210-001BFE052753 user.info STREAMD:	~
	rtsp://192.168.1.10:554/video.prol disconnect	_

The Network Camera features a log function for system messages. These are system messages about the camera start-up procedure, e-mail deliveries, FTP uploads, motion detection and more. The camera stores the messages in its internal memory and displays them on the system log screen. Since memory is limited, the messages will eventually be truncated. If you need to log all the system messages on a remote server (e.g., for permanent record keeping of alarm events or for troubleshooting purposes), you can utilize the remote log functionality.

Enable Remote Log:

Server Name- Type in the network address of the system log server. Enter the address without any leading characters, such as http://.

Server Port- The standard port for this protocol is 514. If your system log server is setup differently, you can change the value here.

Current Log:

This text box displays the real-time log of the camera messages. The remote log function

uses the System Log Protocol, which is a standard for forwarding log messages in an IP network. System Log is a client/server protocol. The System Log sender (the Network Camera) sends a small (less than 1KB) textual message to the System Log server.



This user manual shows one example of a System Log server, the 3CDaemon utility by 3Com Corporation (Download Location:

http://support.3com.com/software/utilities_for_windows_32_bit.htm).

After the installation of 3CDaemon, the main program window opens and the program is ready to receive System Log messages from the network camera.

The messages shown here are the same messages that are displayed in the Web browser.

🕮 3CDaemon 📃 🗖 🖸						
Elle View Help						
TFTP Server	Time	IP Address	Msg Type	Message		
FTP Server	Sep 19 09:50:32		user.info	RTSP: h264 over HTTP from 192.168.0.101		
TTT Jeivei	Sep 19 09:50:19			FTP: FTP Send Success		
Syslog Server	Sep 19 09:50:19		user.info	FTP: Send file to ftp://*, \$.:+: /*: > * /cameraimages/alarm20090919095017_AD.jpg		
	Sep 19 09:50:16		user.info	FTP: FTP Send Success		
0	Sep 19 09:50:16		user.info	FTP: Send file to ftp:// R 2.54 F3. Al/cameraimages/alarm20090919095014_AD.jpg		
	Sep 19 09:50:15	192.168.0.115	user.info	FTP: FTP Send Success		
Configure Syslog Server	Sep 19 09:50:14	192.168.0.115	user.info	FTP: Send file to ftp://###################################		
	Sep 19 09:49:38		user.info	RTSP: h264 over HTTP from 192.168.0.101		
	Sep 19 09:49:16	192.168.0.115	user.info	SSMTP: SMTP Sending Success		
5TOP	Sep 19 09:49:12	192.168.0.115	user.info	SSMTP: Send SMTP to: We A State way of The		
	Sep 19 09:49:11	192.168.0.115	user.info	WDT: watchdog start		
Syslog Server is started.	Sep 19 09:49:09	192.168.0.115	user.notice	NET: Secondary DNS = 0.0.0.0		
Click here to stop it.	Sep 19 09:49:09	192.168.0.115	user.notice	NET: Primary DN5 = 192.168.0.1		
	Sep 19 09:49:09	192.168.0.115	user.notice	NET: Gateway = 192.168.0.1		
e 📈	Sep 19 09:49:08	192.168.0.115	user.notice	NET: Subnet Mask = 255.255.255.0		
	Sep 19 09:49:08	192.168.0.115	user.notice	NET: Host IP = 192.168.0.115		
Clear list.	Sep 19 09:48:28	192.168.0.115	syslog.info	SYS: log started		
	Sep 19 09:48:22	local	user.info	Listening for Syslog messages on IP address: 192.168.0.101		
•						
TFTP Client	۲)			E		
For Help, press F1	,			NUM		