

BU-3026/BU-3026-IVS

3-Megapixel 25 meter Wide AngleIR Bullet Type IPCAM /3-Megapixel 25 meter Wide AngleIR Bullet Type IPCAM with VideoAnalytics

User's Manual







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FCC Statement

Federal Communication Commission Interference 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. These 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, if 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 A 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 the 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.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

WEEE Marking Warning:

The crossed out wheeled bin indicates the product must not be disposed together with household waste. For the sake of the environment, the product should only be given to entities involved in the reception of waste electronic and electrical equipment. The lists of entities entitled to receive used equipment can be found on the websites of municipalities. Some components of devices such as external wiring, circuit boards and liquid crystal displays have a negative impact on the environment.

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Overview

This user's manual explains how to operate this camera from a computer. A user should read this manual completely and carefully before you operate the device.

1.1 Introduction

AirLive BU-3026/BU-3026-IVS is a high-end 3.0 Megapixels network camera which is designed for outdoor surveillance and security applications. This 3.0MP IP camera offers many improvements in image quality when comparing to conventional surveillance cameras. Users are able to view live video streaming over the Internet, and it is not only one of benefits for using AirLive BU-3026/BU-3026-IVS IP cameras. It is also designed to offer high-performance surveillance by being equipped with PoE switch which allows power and data to be transmitted via a single Ethernet cable. This useful function provides an easier installation, lower cabling costs and allows placement of AirLive PoE cameras in locations without access to electrical source. With the IP66 waterproof housing and cable through bracket, AirLive BU-3026/BU-3026-IVS suits for outdoor environments such as parking lot, backyard, campus and loading deck.

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1.2 Features

This manual will illustrate the steps of how to setup and operate this IP camera, so you'll also soon be enjoying the benefits of these product features:

- □ IP-66 Protection with Cable through Bracket.
- □ 3.0 Megapixel 1/2.5" CMOS Sensor
- □ Support 25FPS at 2048x1536 or 30FPS at 1080P
- □ 802.3af PoE
- □ 2.6mm Wide Angle CS Mount Lens
- Low Lux Sensor for Ultra Bright Images
- □ 25m IR LEDs
- □ Mechanical IR-Cut Filter Removable
- □ MicroSD Card Slot for Local Storage
- □ Two-Way Audio, DI/DO
- Clear Motion Technology for Moving Objects
- WDR Enhanced
- □ Compatible with ONVIF Standard
- Built-in Video Analytics (Equipped only for BU-3026-IVS)
- □ Free 64-Channel Recording Software

1.3 Product Specification

Model		BU-3026/BU-3026-IVS
Camera	Camera Type	Bullet Type
	Max Resolution	2048x1536
	Image Sensor	1/2.5" CMOS Sensor
		CS Mount Lens
	Lens Type	2.6mm, F1.2
	Night Vision	Yes
	IR Distance	25m
	Minimum Illumination	0.2 Lux at F1.2 (Color)
	Mechanical IR-Cut Filter	Yes
	Auto Iris	None
		160 °(D),
Viewing Angle		105 °(H),
		72 °(V)



	Pan/Tile Control	Lens Adjustment: Pan: 0~350°	
		Lens Adjustment: Tilt: 53~106°	
	Analog Video Out	None	
		H.264	
	Video Compression	MPEG-4	
		MJPEG	
	Video Profile	Yes	
		25 fps @ 2048 X 1536	
		30 fps @ 1920 X 1080	
		30 fps @ 1280 x 1024	
		30 fps @ 1280 X 960	
	Resolution and Frame Rate	30 fps @ 1280 X 720	
		30 fps @ 720 X 480	
		30 fps @ 640 X 480	
		30 fps @ 320 X 240	
Video		30fps @ 160 X 120	
		Streaming over UDP, TCP, or HTTP	
	Streaming	3GPP mobile view	
	Streaming	3GPP mobile view Configurable frame rate and bandwidth	
	Streaming	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR	
	Streaming Region of Interest	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes	
	Streaming Region of Interest	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW	
	Streaming Region of Interest	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast,	
	Streaming Region of Interest	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation	
	Streaming Region of Interest Image Processing	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip	
	Streaming Region of Interest Image Processing	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks	
	Streaming Region of Interest Image Processing	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks Text, time and date OSD	
	Streaming Region of Interest Image Processing Digital Zoom	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks Text, time and date OSD 10x	
	Streaming Region of Interest Image Processing Digital Zoom Audio Encoder	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks Text, time and date OSD 10x G.711 / AMR (Only for 3GPP)	
Audio	Streaming Region of Interest Image Processing Digital Zoom Audio Encoder Audio Streaming	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks Text, time and date OSD 10x G.711 / AMR (Only for 3GPP) Two-way	
Audio	Streaming Region of Interest Image Processing Digital Zoom Audio Encoder Audio Streaming Audio Input/Output	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks Text, time and date OSD 10x G.711 / AMR (Only for 3GPP) Two-way 1 Line in, 1 Line out	
Audio Network	Streaming Region of Interest Image Processing Digital Zoom Audio Encoder Audio Streaming Audio Input/Output Ethernet	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks Text, time and date OSD 10x G.711 / AMR (Only for 3GPP) Two-way 1 Line in, 1 Line out Ethernet (10/100 Base-T), RJ-45	
Audio Network	Streaming Region of Interest Image Processing Digital Zoom Audio Encoder Audio Streaming Audio Input/Output Ethernet PoE	3GPP mobile view Configurable frame rate and bandwidth Support both CBR and VBR Yes AE, BLC, AW Brightness, Sharpness, Contrast, Saturation Mirror/Flip Privacy Masks Text, time and date OSD 10x G.711 / AMR (Only for 3GPP) Two-way 1 Line in, 1 Line out Ethernet (10/100 Base-T), RJ-45 IEEE802.3af	



		TCP/IP, IPV6, UDP, ICMP, DHCP,	
		NTP, DNS, DDNS, SMTP, FTP, HTTP,	
	Supported Protocols	HTTPs, Samba, PPPoE, UPnP,	
		Bonjour, RTP, RTSP, RTCP, DLNA,	
		ISCSI, ONVIF 2.2	
		Password protection	
	Security	IP filter, HTTPS encrypted data	
Security		transmission	
Users		Up to 10 users simultaneous	
	Power LED	Yellow Color	
LED and Button	Link/Act. LED	Orange Color	
	Deast Button	Reset to Factory Default	
	Reset Dutton	(Push and Hold Over 5 Sec)	
	Network Processor	DSP Base	
	System ROM	128M byte NAND Flash	
	System RAM	128M byte DDR SDRAM	
	Power Supply	DC 12V/1.08A	
	Dewer Concurrentian	IR on: 8 Watts max. ,	
	Power Consumption	IR off: 5 Watts max.	
General		RJ-45 10BaseT/100BaseTX	
	Connector	Audio and Mic jack, DI/DO, DC jack,	
		Ethernet/PoE	
	Operating temperature and humidity	-20°C~55°C (-4°F~131°F), 20%~85%	
	SD card slot	MicroSD	
	Dimension	84 mm x 82mm x 193 mm	
System Integration		CamPro Express 64,	
System integration	Software	CamPro Professional	
		Search & Installation-IP Wizard II	
		BU-3026:	
		Motion detection, External input via DI	
		interface, Tamper detection.	
		BU-3026-IVS:	
	Event Triggers	Motion Detection, External input via DI	
		interface, Tamper detection, Face	
		Detection, iMotion Detection, Trip	
		Zone, Object Counting, Face	
		recognition, e-Fence.	



	Motion Detection	3	
		FTP, Samba Server, SD card file	
		upload	
		E-mail alter	
		HTTP and TCP notification	
		DO (digital output) alarm	
		Audio File Playback	
	UPnP	Yes	
	Application Dragromming	ONVIF 2.2	
		Open API for software integration	
	Interface	SDK	
	Video Buffer	Pre- and post- alarm buffering	
		BU-3026:	
		Motion Detection, External input via DI	
	Alarm Triggers	interface, Tamper detection	
		BU-3026-IVS:	
		Motion Detection, External input via DI	
		interface, Tamper detection, Face	
		detection, iMotion detection, Trip zone,	
		Object counting, Face recognition,	
		e-Fence.	
	Continuous recording	Yes	
	OS	Windows® XP, Vista, 7, 8	
		Internet Explorer 7 or later; Apple	
	Browser	Safari 2 or above; Firefox 2.00 or	
Viewing System		above; Google Chrome	
of the second	iOS/Android Device	With 3GPP player, CamPro Mobile for	
		iOS/Android device	
	Video Player	VLC, Quick Time, Real Player, Core	
		Player	



1.4 System Requirement

For normal operation and viewing of the network camera, it's recommended that your system meets these minimum requirements for proper operation:

ltem	Requirements
CPU	Pentium-4 2.0 GHz or higher
VGA Monitor	Resolution1024 x 768 or higher
RAM	1 GB or more
Operating System	Windows XP, Vista, 7, 8
Web Broweer	Internet Explorer 7 or later; Apple Safari 2 or above; Firefox
	2.00 or above; Google Chrome

Note: Please keep updating the latest Windows software and service package. (Ex: Net Framework, Windows Media Player, Enhance ActiveX Security)



2

Package Contents and Installation

2.1 Package Contents

User can find the following items in the package as below:

- 1. AirLive BU-3026/BU-3026-IVS is the main element of the product.
- 2. Bundled CD includes AirLive IP Wizard II, CamPro Express64, Quick Start Guide, User Manual, and Video clip.
- 3. Quick Start Guide provides important information and instructions for installing this device.
- 4. Accessory Package (Screws / Plastic Anchors/ DIDO Adapter/ Power Adapter)

2.2 Connections

Power Source Requirement

This camera can work with 802.3af PoE switches. However, if you don't have the PoE switch, you can use a power adapter to provide power to camera.

Connector

There are various connectors of AirLive BU-3026/BU-3026-IVS as shown in the figures below. Please refer to the diagrams and tables for using of each connector.

2. Package Contents and Installation









1. DC Jack: The input power is DC 12V.

If you don't have the PoE switch, you can use a power adapter to provide power to camera.

2. PoE/RJ45 LAN Socket: Connect to PC or Hub/Switch.

This Ethernet port built N-Way protocol can detect or negotiate the transmission speed of the network automatically. Please use Category 5 cable to connect the Network Camera to a 100Mbps Fast Ethernet network switch or hub.

3. Alarm Digital I/O:

AirLive BU-3026/BU-3026-IVS supports RS-485, 2 digital alarm inputs and 1 digital alarm output. Please make sure the alarm connections are properly wired. Please refer to the pin definition table below.

PIN		SPECIFICATION
1	RS-485 D+	Compliant to RS-485
2	RS-485 D-	
3	Ground (Common)	GND
4	GPIO Out	Close circuit current maximum: 70mAAC or 100mA Output resistance: 30 ohm Open circuit voltage maximum: 240VAC or 350V DC
5	GPIO In #1	Action high voltage: 9~40 VDC
6	GPIO In #2	Dropout voltage: 0 VDC



- 4. Audio Output: 3.5mm phone jack.
- 5. Audio Input: 3.5mm MIC jack.
- 6. MicroSD Card Slot: MicroSD Card Slot allows you to insert a memory card for expansion of storage.
- 7. Reset Button: This button is used to restore all the factory default settings. Sometimes, restarting the device will make the system back to a normal state.



2.3 Connect to IP Camera

- 1. Insert the bundled CD into your PC/Laptop.
- 2. Auto Run screen shows up, click "Install Software → AirLive IP Wizard II" to install the configuration tool.

BU-3 Bir Live [®] ^{/// 3-Megapixel 2: /// 3-Mega}	026 / BU-3026-IVS 5 meter Wide Angle IR Builet Type IPCAM apixel 25 meter Wide Angle IR Builet Type IPCAM with Video Analytics
Install Software	
User's Guide	
Installation Video	
Browse CD	
EXIT	
/// Utility & Manual CD	(www.airlive.com)
BU-3 W 3-Megapixel 2: W 3-Mega W 3-Mega W 3-Mega W 3-Mega	026 / BU-3026-IVS 5 meter Wide Angle IR Bullet Type IPCAM opixel 25 meter Wide Angle IR Bullet Type IPCAM with Video Analytics
CamPro Express 64 Red	cording Software
EXIT	Main Menu
/// Utility & Manual CD	(www.airlive.com)



3. After completed the installation, run the "Air Live IP Wizard II" to start to search the IP camera.

Air Live IP Wizard II Versio	n 1.0.0.4071		Interface : 192.168.1.50
Device Title	IP Address	Port	MAC
Searchin	J 44%		
SEARCH 🔎 Ca	mera:		User Name: admin
VIEW O Mo	del Name:		Password:
LAN -	Network:		
MIDELESS	DHCP:		Off-Line
WIRELESS M	WiFi:		orr Enc
EXIT	onnection:		

4. The entire detected IP camera will be listed out.

Air Live IP Wizard II	/ersion 1.0.0.4071		Interface : 192.168.1.50	
Device Title	IP Address	Port	MAC	
Airlive BU-3026-IVS	192.168.1.100	80	00-40-01-30-24-F8	
SEARCH	Camera:		User Name: admin	
VIEW O	Model Name: Airlive	BU-3026-IVS	Password:	
LAN 🕂	Network:	Wired		
	DHCP:	OFF		
WIKELESS M	WiFi: Ethe	ernet Only		
EXIT	Connection: Not	Connected		
ļ				

5. If the Camera's IP address is in the same IP segment as your LAN, select the founded IP Camera and double click on the item. Then, the default browser will show up and connect to the IP camera's Web automatically.



3

Using IP Camera via Web Browser

3.1 Windows Web Browser

- 1. Open your web browser and enter the IP address or host name of the IP camera in the Location / Address field of your browser.
- 2. Use the default account "admin" and default password "airlive".

Windows Security
The server 192.168.1.100 at AirLive BU-3026-IVS requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name Password Remember my credentials
OK Cancel

Note: The default user name "**admin**" and the password "**airlive**" are the default values. You can change them in the Account Menu. (Please check "System \rightarrow Account")

3. The monitor image will be displayed in your browser. In the left side of main window, you can configure the settings you want. For more details, please refer to the following chapters.



4

Operating IP Camera via iOS/Android Device

4.1 Using IP Camera via iOS/Android device

You can access into your IP camera via the iOS/Android device. Please follow the setup steps below.

- 1. Download AirLive CamPro Mobile
 - from APP store/Android market.



2. Execute the **AirLive CamPro Mobile** program



3. Click Setup button.



4. Setup page appears





5. Click Add button

Back Group Device Add List	Back	Device Edit Save
	Device ID	
		Query Auto Search
	Name	IPCam-1
	Model	<not selected=""></not>
	Address	
	HTTP Port	80
	User Name	admin
	Password	

6. Click Auto Search button and select the camera.

Back	Device E	dit Save	E	ack	Device Edit	Save
Device ID				Device ID		
	Query	Auto Search	_		Query Auto Sea	arch
Name	IPCam-1			BU-3025	- 192.168.0.13	
Model	<not selec<="" td=""><td>ted></td><td></td><td>BU-3026</td><td>-IVS - 192.168.0.1</td><td>03</td></not>	ted>		BU-3026	-IVS - 192.168.0.1	03
Address				BU-3026	-IVS - 192.168.1.1	00
HTTP Port	80			BU-720 -	192.168.0.14	
User Name	admin			CW-720	- 192.168.0.48	
Password				Password		



7. Model, Address, HTTP Port info appear on the page.

Back	Device Edit Save
Device ID	092354920E
	Query Auto Search
Name	IPCam-1
Model	BU-3026-IVS
Address	192.168.1.100
HTTP Port	80
User Name	admin
Password	

9. If camera connects correctly, it will show blue icon.

Back Group	Device	Add List
<mark> 🔨 (</mark>)	Cam-1	

 Key-in Username and Password then click Save button.

woder	DU-3020-IV3
Address	192.168.1.100
HTTP Port	80
User Name	admin
Password	



10. The video appears on the main screen.



Note: The image is continuous snapshots, not video. Thus, live image can't be recorded here.



5

Operating the Network Camera

Start-up screen will be shown once you access into the IP camera. In the left side, you can control Live View function as below:



5.1 Live View

- 1. Protocol: Select the protocol type: RTSP over UDP/ TCP/ RTSP over TCP/ RTSP over HTTP.
- 2. Configuration: Click for configuring the detail camera settings.
- **3. View Options:** The device supports multi-profile function for H.264, MPEG4 and JPEG simultaneously. User can choose the proper and/or preferred profile which is listed here.
- **4. Language:** AirLive BU-3026/BU-3026-IVS provide multiple languages to meet customer's requirement.
- 5. Digital Output: Switch digital output interface on or off.



6. 2-Way Audio: The device supports 2-way audio function. User can choose to enable or disable this function by toggling the icon below.



: Disable speaker function.



Enable speaker function.



Disable microphone function.

Enable microphone function.



Volume: Click Speaker/Microphone button to activate this function. Scroll the control bars to adjust the audio attribute.

7. Original Size / Preview Size: Switches live image view between original size and preview size (smaller size).



Note: Digital zoom uses computer algorithm to enlarge the video and may lose some details.



- 9. Snapshot: Take a snapshot or a video file. Browse the folder in your computer and save the file.
- **10. Record:** Click it to start recording an AVI file in local storage. Press **I** to stop the recording process.

5.2 Configuration

Click "Configuration" for the camera detail settings. For more information, please refer to Chapter 6.





6

Configuration

Click the "Configuration" to display sub-menus included

Network / Video / Audio / Event / Storage / RS-485 / System / Status / Video Analytics.

Configuration	Network		
Back to Home	General UPnP/Bonjour/G	oS IP Filter IP Notification	iscsi
Network			
Video			
Audio	DHCP IPv4	O DHCP IPv4/IPv6	O Static IPv4/IPv6
Event	IP Address(IPv4) :	192.168.0.24	
Lvent	IP Address(IPv6) :		
Storage	Prefix Length		
RS-485			
S∨stem	Subnet Mask :	255.255.255.0	
Ch at an	Gateway :	192.168.0.254	
Status	Primary DNS -	192 168 0 254	
Video Analytics		152.100.0.234	
	Secondary DNS :	0.0.0	

Note: Video Analytics function is only for BU-3026-IVS.



6.1 Network

1. General

eral UPnP/Bonjour/QoS	IP Filter IP Notification iSC SI	
AN Interface		
DHCP IPv4	DHCP IPv4/IPv6 O Static:	IPv4/IPv6
P Address(IPv4) :	192.168.0.73	
P Address(IPv6) :		
refix Length :		
ubnet Mask :	255.255.255.0	
ateway :	192.168.0.254	
rimary DNS :	192.168.0.254	
econdary DNS :	0.0.0.0	
TTP Port :	80	
TSP Port :	554	
TSP over HTTP Tunnel Port :	8554	
TD Data Port :	5556	
ulticast		
Enable Multicast		
ulticast Group Address :	239.128.1.99	
Iulticast Video Port :	5560	
ulticast RTCP Video Port :	5561	
Iulticast Audio Port :	5562	
Iulticast RTCP Audio Port :	5563	
ulticast TTL[1~255] :	15	
PPoE		
C Enable PPPoE		
Jser Name :		
Password :		
Enable DDNS		
Provider ·	DvnDNS.com	
Host Name :		
Host Name : Jser Name :		



- LAN Interface: This field allows you to setup the IP network protocol.
 - **DHCP IPv4:** Select this option when your network uses the DHCP server. When the camera starts up, it will be assigned an IP address from the DHCP server automatically.
 - DHCP IPv4/IPv6: DHCP for IPv6 enables the DHCP server to pass the configuration parameters (e.g. the IPv6 network addressed) to the IPv6 nodes, which offers the capability of automatic allocation of reusable network addresses and additional configuration flexibility. Select this option if your network supports DHCP IPv6 protocol. When the camera starts up, it will be assigned an IP address from the DHCP server automatically.
 - **Static IPv4/IPv6:** Select this option to assign the IP address to the camera directly. You can use "AirLive IP Wizard II" to obtain the related setting values.

IP Address (IPv4/IPv6)	Enter the IP address of the camera. The default setting is 192.168.1.100.
Subnet Mask	Enter the Subnet Mask of the camera. The default setting is 255.255.255.0.
Default Gateway	Enter the Default Gateway of the camera. The default setting is 192.168.1.254.
Primary/ Secondary DNS	DNS (Domain Name System) translates domain names into IP addresses. Enter the Primary and Secondary DNS provided by ISP.
HTTP Port	The default HTTP port is 80 .
RTSP Port	The default RTSP Port (Real Time Streaming Protocol) is 554 .
RTP Data Port	RTP (Real-time Transport Protocol) is a data transfer protocol defined to deliver live media to the clients at the same time, which defines the transmission of video and audio files in real time for Internet applications. The default RTP Data Port is 5556 .

- Enable Multicast: Select this option to enable the multicast function of the camera. Complete the following settings so that you can deliver information from your camera to multi receivers.
 - **Multicast Group Address:** Assign a category of IP addresses to receive the information from the camera.



- **Multicast Video Port:** Assign a multicast port for video in the text box. The default port is **5560**.
- **Multicast RTCP Video Port:** Assign a multicast port for RTCP (real-time transport control protocol) video in the text box. The default port is **5561**.
- **Multicast Audio Port:** Assign a multicast port for audio in the text box. The default port is **5562**.
- **Multicast RTCP Audio Port:** Assign a multicast port for RTCP (real-time transport control protocol) audio in the text box. The default port is **5563**.
- **Multicast TTL:** Set the value from 1 to 255. TTL (time to live) is used to specify the time to live in the IP header so that the system is able to decide whether or not the packet has been in the network too long and should be discarded.
- Enable PPPoE: Select this option when you use a direct connection via the ADSL modem. You need the User Name and Password of the PPPoE account to complete the setting. The camera will get an IP address from the ISP as starting up.

Note: Once the camera get an IP address from the ISP as starting up, it automatically sends a notification email to you. Therefore, when you select PPPoE as your connecting type, you have to set up the email or DDNS configuration in advance.

• Enable DDNS: Select this option to enable DDNS service. With the Dynamic DNS feature, you can assign a fixed host and domain name to a dynamic Internet IP address. To set up the DDNS, select the **Provider** from the pull-down menu and then enter the required information in the **Host Name**, **User Name** and **Password** text boxes.

Note: You have to sign up for DDNS service with the service provider before configuring this feature.



2. UPnP/Bonjour/ QoS

Network				
General UPnP/Bo	njour/QoS	IP Filter	IP Notification	iSCS
UPnP				
Enable Discovery	/			
Enable Port Map	oing			
Bonjour —				
☑ Enable Discovery	,			
QoS				
☑ Enable QoS	○ Audio	⊙	○ Both	
Video DSCP :	0	(0-63)		
Audio DSCP :	0	(0-63)		
Apply Cancel				
Apply Calicel				

• **UPnP:** The camera supports UPnP (Universal Plug and Play), which is a set of computer network protocols that enable the device-to-device interoperability. Select the **Enable Discovery** option to enable the feature.

In addition, it supports port auto mapping function so that you can access into the camera if it behind an NAT router or firewall. Select the **Enable Port Mapping** option to enable the feature.

 Bonjour: The devices with Bonjour will automatically broadcast their own services and listen for services being offered for the use of others. Select the Enable Discovery option, you can find the camera through the browser with Bonjour and no need to know the IP address.

The Apple Safari is already with Bonjour. You can download the complete Bonjour for Internet Explorer browser from Apple's website by visiting: http://www.apple.com/bonjour/

- **QoS** (quality of service): It is the ability to provide different priority to different applications or data flows.
 - Video DSCP: Assign the DSCP (Diff Serv Code Point) of the stream video from the camera by setting the value from 0 to 63.



- **Audio DSCP:** Assign the DSCP (Diff Serv Code Point) of the stream audio from the camera by setting the value from 0 to 63.

3. IP Filter

neral UPni	P/Bonjour/QoS IP Filter	IP Notification iSCSI	
P Filter —			
Enable Filte			
Accept IP Addr	ess:		
	Start IP Address :		
	End IP Address :		Add
Accept IP List :			
			Delete
	L		
Dany ID Addres	-		
Jeny IF Addres	Start ID Address :		
Denne TD Link -	End IP Address :		Add
Jeny IP List :			
			Delete

The IP Filter allows the administrator of the camera to restrict the users within a certain range of IP addresses to access into the camera. Select the **Enable Filter** option and assign the range of IP addresses that are allowed to access into the camera in the **Accept IP Address** field; or assign the range of IP addresses that are blocked to access into the camera in the **Deny IP Address** field.

For example, when you enter 192.168.0.50/192.168.0.80 in Start/End IP Address of Accept IP Address and then click Add, the user whose IP address located within 192.168.0.50 ~ 192.168.0.80 will be allowed to access into the camera. On the other hand, if you enter the IP range in Start/End IP Address of Deny IP Address and then click Add, the user whose IP address located within the range will not be allowed to access into the camera.



To remove the assigned range of IP addresses for IP Filter, select the setting in the **Accept/Deny IP List** and then click **Delete**.

4. IP Notification

To prevent from the IP address been changed, system is able to send out an alarm. Configure the email setting first if the function is enabled.

P Notificatio	n ————	
□ Notification(e	mail)	
	Send To :	
	Subject :	
TCP Notificati	on	
	TCP Server Add	ress :
	TCP Port :	80
	Message :	
HTTP Notifica	tion	
	URL :	http://
	HTTP Port :	80
	Login Name :	
	Login Password	: [

- Notification (email): Select to enable this function.
 Send To: Type the receiver's E-mail address.
 Subject: Type the subject/title of the E-mail.
- TCP Notification: Select to enable this function.
 TCP Server Address: Type the server name or the IP address of the TCP server.
 TCP Port: Set port number of TCP server.
 Message: The message will be sent to FTP server.
- HTTP Notification: Select to enable this function.
 URL: Type the server name or the IP address of the HTTP server.



HTTP Port: Change it only when needed.

HTTP Login name: Type the user name for the HTTP server.

HTTP Login Password: Type the password for the HTTP server.

5. iSCSI

Network						
General	UPnP/Bonjo	ur/QoS	IP Filter	IP Notification	iSC SI	
-iSCSI -						
Enal IP Addr Port:	ble iSCSI ress:	In 3260	itiator			
Apply	Cancel					

Enable the iSCSI and key-in server IP address and Port number. The disk of the server will be the storage in IP camera setting.



6.2 Video

1. Video Profile

ideo Profile Exposure	lmage WDR Overlay	
Intelligent Analysis Mode:	Enable 🗸 🖓	
ROI: Disable 🗸	0	
Main Stream		
Video Resolution:	2048x1536 (3M) 🗸	
Main Stream:	H264 🗸	High Profile 🗸 🗸
Frame Rate:	O Auto	20 fps
Rate Control	• Video Quality (VBR)	Very Low 💙
	O Bitrate (CBR)	1500 kbps 🕜
GOV:	30 🗸	
Video Resolution:	320x192 (QVGA)	
Video Quality:	Very High V	
Frame Rate:	O Auto 10 fps	~
-Mobile View		
	Disable	
	O 3GPP without Audio	
	3GPP with Audio	
Apply Cancel		

Intelligent Analysis Mode: You can select Enable or Disable to switch the IVS function.

Note: This item will appear on BU-302-IVS

 ROI: ROI means Region of Interest. When the main stream is set to High Resolution, user can select specified region for monitoring, this can save the bandwidth if there are too many collision on the network.



- Main Stream & Second Stream: It enables the encoder to deliver two totally independent streams of video, separately configured for different frame rates and video resolutions.
 - Video Resolution: Select the resolution that you want to see the image on screen from the pull-down menu. It supports several resolution as below:
 - 1.2048 x 1536 (3M)
 - 2.1920 x 1080 (1080P)
 - 3. 1280 x 1024 (SXGA)
 - 4.1280 x 960 (960P)
 - 5.1280 x 720 (720P)
 - 6.720 x 480 (D1)
 - 7.640 x 480 (VGA)
 - 8.320 x 240 (QVGA)
 - 9.176 x 144 (QCIF)

You also need to select a proper Frame Rate setting.

In Intelligent Analysis Mode:

- 1. 2048 x 1536 (3M)
- 2. 1920 x 1080 (1080P)
- 3. 1280 x 1024 (SXGA)
- 4. 1280 x 960 (960P)
- 5. 1280 x 720 (720P)

Please be noted that higher resolution and frame rate gets better video quality but larger network bandwidth.

- Main Stream / Second Stream: Select the streaming format as H.264 (High/Main/Baseline Profile) / MPEG4 / MJPEG.
- Rate Control: Set the proper image quality by selecting Video Quality (VBR) or Bitrate (CBR) and then select the desired settings from the pull-down menu.
 Select Very Low, Low, Normal, High or Very High for VBR.
 Input a bitrate range from 384Kbps to 6Mbps for CBR.
- GOV: Set the GOV value by 1~100 seconds.
- Mobile View (Not supported by MPEG4): The camera supports 3GPP specification. Select the Disable option to disable this feature. Otherwise, select 3GPP Without Audio or 3GPP With Audio to transfer the video clips without or with audio.



If you use a mobile phone that supports 3GPP, you can also view the real-time streaming image captured by the camera on your phone (with the default player on the phone) by entering the RTSP link:

rtsp://(IP address of the camera)/3gp

Note: Your mobile phone and the service provider must support 3GPP function. Please contact your service provider when you are failed to use this service.

				BR-SNEN-LA
Configuration	(a) Video			
Back to Home	Video Profile Expos	sure Image WDR O	verlay	
Network				
Video				
Audio		ALAR		
Event	3/1-1-			
Storage	12 22	a Carl Bleeze		
System				
Status				
			and the second	
deo Analytics	V Cont			
deo Analytics				
deo Analytics				
deo Analytics				
deo Analytics	Exposure Setting			
deo Analytics	Exposure Setting Exposure Mode	Auto		
deo Analytics	Exposure Setting Exposure Mode	Auto 🗸		
deo Analytics	Exposure Setting Exposure Mode Others Mode:	Auto Oindoor	Ooutdoor	• Auto
deo Analytics	Exposure Setting Exposure Mode Others Mode: Auto White Balance:	Auto V indoor Enable V	Ooutdoor	• Auto
deo Analytics	Exposure Setting Exposure Mode Others Mode: Auto White Balance: IR-Cut:	Auto V indoor Enable V • Auto Manual V	O outdoor O AlwaysON	Auto Always0FF
deo Analytics	Exposure Setting Exposure Mode Others Mode: Auto White Balance: IR-Cut:	Auto V indoor Enable V Auto Manual V Schedule	O outdoor AlwaysON From: OOV : OOV	● Auto ○ AlwaysOFF To: 23 ♥ : 59 ♥
deo Analytics	Exposure Setting Exposure Mode Others Mode: Auto White Balance: IR-Cut: ICR Delay Time:	Auto v indoor Enable v Auto Manual v Schedule Ss v	O outdoor O AlwaysON From: OOV : OOV	● Auto ○ AlwaysOFF To: 23 ♥ : 59 ♥
leo Analytics	Exposure Setting Exposure Mode Others Mode: Auto White Balance: IR-Cut: ICR Delay Time:	Auto V indoor Enable V @ Auto [Manual V Schedule 55 V	O outdoor O alwaysON From: 00 ♥ : 00 ♥	● Auto ○ AlwaysOFF To: 23 ♥ : 59 ♥
deo Analytics	Exposure Setting Exposure Mode Others Mode: Auto White Balance: IR-Cut: ICR Delay Time:	Auto v indoor Enable v Auto Manual v Schedule Ss v Current Value 3152 f	○ outdoor ○ AlwaysON From: 00 ♥ : 00 ♥ Refresh Default	● Auto ○ AlwaysOFF To: 23 ▼ : 59 ▼
leo Analytics	Exposure Setting Exposure Mode Others Mode: Auto White Balance: IR-Cut: ICR Delay Time:	Auto Auto indoor Enable Auto Manual Schedule Ss Current Value 3152 i Night Mode Threshold 350	 O outdoor O AlwaysON From: 00 ♥ : 00 ♥ Refresh Default (0 ~ 10000) 	● Auto ○ AlwaysOFF To: 23 ♥ : 59 ♥

2. Exposure

 Exposure Setting: There are three options (Auto / Manual / Clear Motion). When you select Manual mode, you can adjust Exposure Value, Exposure Time and Gain value of the day and night mode.



- Mode: There are three modes (Indoor / Outdoor / Auto) to fit your environment
- Auto White Balance: You can enable or disable the function.
- **IR-Cut:** The camera can automatically or manually remove the IR-cut filter to let IR light into the sensor during low light conditions.

Auto:

Photo Sensor: The camera automatically removes the filter based on the photo sensor.

Manual: User can use this function to determine the threshold, and the camera switches between day mode and night mode based on this specified threshold.

Always ON:

The camera switches on the IR cut filter at all times to block infrared light.

Always OFF:

The camera switches off the IR cut filter at all times for the sensor to accept infrared light.

Schedule:

The camera switches between day mode and night mode based on a specified schedule. Enter the start and end time for day mode.

- ICR Delay Time: Select from 5s to 30s.



3. Image

			1101100-57000-0
mage Setting			
S. Martin Rev	-		
1 300			
2.		-	
Call 3			
1. 1. 1.	-		1
1000	886 B		
and the	12	An Arrest Street Barry	10. F
ALC: NO	100	-12 - 1 - 1 - E	Sharp at
Day Mode Setting	9		
Brightness:	€ L		28 [0255]
Contrast:	€	<u> </u>	28 [0255]
Saturation:	<u>الم</u>	<u></u>	28 [0255]
Sharpness:	<u>ال</u>	1	28 [0255]
			Default
Night Mode Setti	ng		<u></u>
Brightness:	€∟	<u> </u>	28 [0255]
Contrast:	€∟		28 [0255]
Saturation:	€ L		28 [0255]
Sharpness:	€□∟	1	80 [0255]
			Default
thers			
lirror:		Vertical	Horizontal
ower Line Freque	ence:	● NTSC/60Hz	O PAL/50Hz

Image Setting:

- **Brightness:** Adjust the brightness level from 0~255.
- **Contrast:** Adjust the contrast level from 0~255.
- **Saturation:** Adjust the colors level from 0~255.



- **Sharpness:** Adjust the sharpness level from 0~255.
- Click **Default** to restore the default value.

Others:

- Mirror: Select Vertical to mirror the image vertically, or select Horizontal to mirror the image horizontally.
- **Power Line Frequency:** Select the proper frequency according to the camera's location to reduce the flicker: **NTSC/60Hz** or **PAL/50Hz**.

4. WDR

🚳 Video
Video Profile Exposure Image WDR Overlay
WDR Setting WDR: OFF V ?
BLC:
Advance
Digital Noise Reduction: ON V
Fog Compensation: ON V
Apply Cancel

- **WDR Setting:** WDR is intended to provide clear images even under backlighting, where the intensity of illumination varies a lot.
- **BLC Setting:** Backlight compensation can get ideal exposure of object which is in front of the strong luminance background



• Advance:

Digital Noise Reduction: A digital filter designed to reduce visible noise for improving visibility of images.

Fog Compensation: Improve visibility of images in fog or smoke by using the Fog compensation function

5. Overlay: This option is used to set the image overlay and mask feature of the camera.

Air Live		BU-3026-IVS
Configuration Back to Home	Video Video Video Profile Exposure Image WDR Overlay	
Network ViCeo Audio Event Storage System Status Video Analytics	Date at a 12	
	Overlay Setting	
	Default Logo User Define Image Bitmap/JPG/JPEG Only Max. Size: 160x1	》意… Update 28

- Enable Time Stamp: Select this option to display the date & time information on the live view image.
- **Enable Text Display:** Select this option and enter your heading text in the box to display the text information on the live view image.
- Enable Image Overlay: Select Default Logo or User Define Image to display the image overlay on the live view image.

You can set the displayed image in transparent mode by selecting the **Transparent** option and select the background color as white or black.

When you select **User Define Image**, you can click **Browse** to select the image file from your computer and then click **Update** to apply the setting.

Note: JPG/JPEG file with maximum 65536 bytes.



6.3 Audio

Audio
Audio Setting
Microphone
Volume: 50
Speaker
Gain: 50
- Recording File
You can upload one audio file in WAV(MONO, 8KHz) format for playback during an event action.
The file must be smaller than 100KB in size.
瀏覽 Upload
Apply Cancel

1. Microphone:

• Enable Microphone: Select the option to enable the camera's audio in function, so that you can receive the on-site sound and voice from the camera.

2. Speaker

- Enable Speaker: Select the option to enable the camera's audio out function, so that the connected speaker can play the sound and voice through the camera.
- **3. Recording File:** During an event action, you can upload one audio file in WAV (mono, 8KHZ, <100KB in size) for playback.



6.4 Event

1. Event

ent Event Schedul	le Motion Detection	Tamper Detection	
Modio Fermot			
 H.264 Video 			
	Pre Event:	0 V Second	
	Post Event:	5 V Second	
TP Server			
Enable			
SMTP Server			
Samba Server			
Samba Server —			
Samba Server			
Samba Server — Enable			
Samba Server — Enable TCP Server — Enable			
Samba Server			
Samba Server — Enable TCP Server — Enable HTTP Server —			

• Media Format: Select One Snapshot to send the alarm message with one still image captured by the camera, or select H264 Video to send the alarm message with one video clip recorded by the camera.

You can set the attachment that is captured in **Pre Event** or **Post Event** time when the event has been triggered.

- **FTP Server:** Select "Enable" to enable the FTP server function.
 - FTP Server: Enter the IP address of the target FTP server.
 - User Name: Enter the user name to login into the FTP server.



- Password: Enter the password to login into the FTP server
- File Path Name: Enter the port number used for the FTP server.
- Test FTP: You can test the FTP server function first here.

Note: Due to the network environment, the camera may not upload number of images that you set.

- **SMTP Server:** Select "Enable" to enable the SMTP server function.
 - SMTP Mail Server: Enter the mail server address. For example, mymail.com.
 - Port: Assign the SMTP port in the text box. The default SMTP port is 25.
 - Sender Email Address: Enter the email address of the user who will send the email.
 For example, <u>airlive@mymail.com</u>.
 - Receiver #1/#2 Email Address: Enter the first/second email address of the user who will receive the email.
 - **Subject:** Enter the subject of the message for the event.
 - Authentication: Select the option according to the mail server configuration.
 - User Name: Enter the user name to login the mail server.
 - Password: Enter the password to login the mail server.
 - Test SMTP: When done, click the button to test the SMTP server function.
 - **Requires SSL Encryption:** If the mail server requires an encrypted connection, you should select the SSL option.
 - **STARTTLS:** Select it if the server needs the STARTTLS encryption.

Note: Due to the network environment, the camera may not upload number of images that you set.

- **Samba Event Server:** Select "**Enable**" to enable the Network Storage server for the camera.
 - Samba Server Address: Enter the IP address of the Network Storage server.
 - Path: Assign the path for uploading the files on the Network Storage server.
 - User Name: Enter the user name to login into the Network Storage server.
 - Password: Enter the password to login into the Network Storage server.
 - **Test SMB:** When done, click the button to test the network storage server function. *Note: The recorded video files in Network Storage are enclosed by MP4/AVI format without audio.*



- **TCP Server:** Select "**Enable**" to enable the TCP Server function.
 - TCP Server Address: Enter the TCP server address.
 - TCP Port: 80. Revise it only needed.
 - **Message:** Enter the message here.
 - **Test TCP:** Click to test the TCP server function.
- **HTTP Server:** Select "**Enable**" to enable the TCP Server function.
 - URL: Enter the URL path of the HTTP server.
 - HTTP Port: 80. Revise it only needed.
 - Login Name: Enter the login name of the HTTP server.
 - Login Password: Enter the login password of the HTTP server.
 - **Message:** Enter the message here.
 - **Test HTTP:** Click to test the HTTP server function.

2. Event Schedule

Click "Add" for more detail settings.

DEver	nt			
Event	Event Schedule	Motion Detection	Tamper Detection	



Network	
Video	Event List
Audio	Event Name Status
Event	
Storage	
RS-485	Please remember to save settings after you add or edit event.
System	Event Settings
Status	
Video Analytics	Schedule
	O From 00 : 00 To 23 : 59 hh:mm
	🗹 Sun 🗹 Mon 🗹 Tue 🗹 Wed 🗹 Thu 🗹 Fri 🗹 Sat
	Trigger 🕜
	Motion Detection Digital Input 1 Low Y Digital Input 2 Low Y Tamper Detection
	Video Analytics FD Y 2 Periodically time 001 Y seconds
	Action
	Enable FTP Enable SD CARD Trigger digital output for 01 seconds
	Enable EMAIL Enable TCP Audio File Playback
	Enable Samba(Net Storage) Enable HTTP

- Follow the steps below to set up the Event Schedule for the camera:
 - 1. Select "Enable" and enter the Event Name.
 - 2. Schedule: Select to always trigger the event or on specific time period and date.
 - 3. Select the Trigger by: Motion Detection / Digital Input 1 / Digital Input 2 / Tamper Detection / Video Analytics / Periodically time.
 - **4.** Action: Select the trigger method.
 - Enable FTP: The camera will upload the attachment to FTP when triggered.
 - **Enable EMAIL:** The camera will send the attachment to the assigned receiver when triggered.
 - Enable Samba: The camera will transfer the attachment to the network storage when triggered.
 - Enable TCP: The camera will send instant message when triggered.
 - Enable SD CARD: Image will be saved into local SD Card when triggered.
 - Enable HTTP: Camera will send the attachment to HTTP server.



- **Trigger digital output:** The camera will trigger the connected device on the camera's output for 1~60 seconds.
- Audio File Playback: Playback a recorded audio file when triggered.
- **Modify/Delete:** To change/remove the event profile, select the file on the list and click **Modify/Delete**.

Note: To enable the FTP/Email/Samba/TCP/HTTP services, the required settings of must be completed in Event section.

Configuration	Event
Back to Home	Event Event Schedule Motion Detection Tamper Detection
Network Video Audio Event Storage RS-485	Media Format One Snapshot H.264 Video Pre Event: 0 V Second Post Event: 5 V Second
System Status Video Analytics	FTP ServerEnable
	Samba Server Enable Enable
	TCP Server
	Enable Cancel



Motion Detection

The Motion Detection option contains the commands and settings that allow you to enable and set up the motion detection feature of the camera. The camera provides three detecting areas.

🙆 Event			
Event Event Schedule	Motion Detection Tamper Detection		
Motion Detection Enable Motion Detection Window 1 Indicator: Percentage: (1 Sensitivity: (1 Window 2 Indicator: Percentage: (1 Sensitivity: (1 Sensitivity: (1 Sensitivity: (1 Apply Cancel	50 + -99) 50 + -99) 50 + -99) 50 + -99) 50 + -99) 50 + -99) 50 + -99) 50 + -99) 50 + -99)		

- Follow the steps below to set up the Motion Detection function for the camera:
 - 1. Select Enable Motion Detection.
 - 2. Window 1/2/3: When the detecting area is enabled, you can use the mouse to move the detecting area and change the coverage.
 - 3. Set the **Percentage** and **Sensitivity** (1~99) for detecting motion to record video.
 - **4.** When done, click **Apply** to save the settings and activate the motion detection function.





3. Tamper Detection

Camera Tamper Detection (CTD) detects tampering events in surveillance cameras that may compromise the integrity of the video content. Examples of camera tampering include obstructing the lens with paint or a foreign object, adjusting the lens' focus or aperture settings, pointing the camera in a different direction, and turning off the lights (if indoors with no major change in ambient illumination expected). CTD can tolerate the effects of automatic camera gain, camera shaking that causes mild image jitter (less than +/- 4 pixels in any direction), and dimly lit scenes.

Configuration Back to Home	Event Event Schedule Motion Detection Tamper Detection
Network Video Audio Event Storage System Status Video Analytics	Tampering Detection Tamper Detection: OFF • Sensitivity: MODERATE • Reset Time: 5 Second ? Alarm for bright images Alarm for bright images Alarm for dark images Alarm for movement images Alarm for blur images Alarm for blur images
	II Statistics Chart Display
	Apply Cancel Default

- Select ON/OFF to enable/disable the Tamper Detection.
- Select Sensitivity to set the sensitivity level.
 The higher the sensitivity, detects the minutest tampering attempts.
- Select Reset Time. Once a tampering is detected, the camera will resume a normal operating after a certain stability time (Reset Time) during which no detection will be performed.
- Select **Alarm Type** to specify the activation condition.
- Statistics Chart Display: You can see the test result of alarm type here.



6.5 Storage

1. Recording
Storage
Recording List
- Recording
Enable Recording Image: NAS/File Server NAS/File Server : Upload Path : / Login Name : Password : Maximum Size of Each File : 10 MB
Time:
Always
OFrom 0 ✓ : 0 ✓ To 0 ✓ : 0 ✓ hh:mm
Apply Cancel

- **Recording:** Select the option to enable the recording to storage function.
 - NAS/File Server: Enter the IP address of the Network Storage/CIFS server.
 - **Upload Path:** Assign the path for uploading the files on the Network Storage/CIFS server.
 - Login Name: Enter the user name to login into the Network Storage/CIFS server.
 - **Password:** Enter the password to login into the Network Storage/CIFS server.
 - **Maximum Size of Each File:** This option allows you to limit the file size to be uploaded to the server.
 - Timestamp: Select this option to add the date & time information on the attachment.
- Schedule:
 - NAS/File Server: Enter the IP address of the Network Storage/CIFS server.



• Schedule: Select "Always" to enable recording continuously or select specific time period and date to record. When done, click **Apply** to save the settings.

2. Recording List

This page shows the files list information. User may play or delete the selected file.

Note: Please remember to insert a SD card before you start to use this function.

Storage	Storage						
Recording List							
Recordin Event	ng List	○ Recording					
D	ownload	Delete	Filename	Date	Time	Size	
First Pa	First Page Previous Next Final Page						
Ple	ase enable	e event sche	dule, action SD (CARD!!	CARD/Ple	ase inser	t SD	

6.6 RS-485

1. RS-485 Setting

The RS-485 option provides the control settings for external device through the I/O port. Select Enable RS-485 and complete the required settings to activate the RS-485 function of the camera.

- Use Pelco-D: Select this option and then select an Address. When you enable the RS-485 function of the camera, you will be able to use the RS-485 Buttons on the live view screen to control the camera.
- Use Custom Protocol: Select this option to configure the commands protocol manually. When you select this option, you need to complete the required settings of Port Setting.

You can click Test to test each command that you have assigned. In the Extended Command 1~5 string boxes, you can customize more buttons and settings for your needs. Please note that the setting values in the Command Name string boxes should be from the connected external device (please refer to the manual of the connected device).



Configuration	🕲 RS-485
Back to Home	RS-485 Settings RS-485 PTZ
Network Video Audio Event Storage RS-485 System Status Video Analytics	RS-485 Enable RS-485 Use Pelco-D Use Pelco-P Address: 1 (Pelco-D:0~254 Pelco-P:1~32) Use Custom Protocol Port Setting Baud Rate: 2400 bps V Data Bits: 8 V Parity: None V Stop Bit: 1 V

2. RS-485>>RS-485 PTZ

You can enable RS-485 PTZ function when you have Pan/Tilt Head.

Configuration	(a) RS-485
Back to Home	RS-485 Settings RS-485 PTZ
Network Video Audio Event Storage RS-485 System Status Video Analytics	RS-485 PTZ Enable RS-485 PTZ PTZ Preset
	Preset: Home Go To Description: Home Submit PAN Speed: 1 Image: Concel Image: Concel Image: Concel Image: Concel



6.7 System

The System menu contains sub-menus as below. When completed, click **Apply** to save the settings.

System	
Device Settings Account Ma	nagement Ports Firmware Maintenance
DIDO	
DIPS (Dynamic IP Service):	Enable Disable
Device ID (for DIPS):	0994336FE7 Test
Camera Name:	Airlive MD-3025-IVS
Location:	
-Indication LED	
Control:	• ON OFF
Date & Time	
Camera Date & Time:	11/19/2013 20:05:33
TimeZone:	(GMT+08:00) Taipei 🗸
DayLight Saving	
O Don't Modify	
Synchronize with NTP Server	
NTP Server Address:	tw.pool.ntp.org
Update Interval:	6 hours 🗸
O Manual	
Date:	11 🗸 / 19 🗸 / 2013 🗸
Time:	20 : 05 : 21 :
○ Synchronize with PC	
Apply Cancel	



1. Device Settings

- DIPS:
 - **DIPS (Dynamic IP Service):** To enable or disable the DIPS® (Dynamic IP Service) function.
 - Device ID (for DIPS): It's a unique number of each device for identification.
- Information: This item allows you to assign the camera name and location information.
 - **Camera Name:** Enter a descriptive name for the camera, which is helpful to identify the camera easily while multiple cameras are connected within the network.
 - **Location:** Enter a descriptive name for the location where is monitored by the camera.
- Indication LED: This item allows you to set the LED illumination as desired. The available options include: **ON** and **OFF**.
- Date and Time: Enter the correct date and time for the system.
 - Camera Date & Time: It shows the current date and time.
 - **Time Zone:** Select the proper time zone for the region from the pull-down menu.
 - **Day Light Saving:** Select this option if the Daylight Saving Time is used in your location.

Daylight Saving means a period from late spring to early fall, and during the period many countries will set their clocks ahead of normal local time by one hour to give more daytime light in the evening.

- **Don't Modify:** Select this option to set the date and time as system's default settings.
- **Synchronize with NTP Server:** Select this option and the time will be synchronized with the NTP Server. You need to enter the **NTP Server Address** of the server and set the **Update Interval**.
- Manual: Select this option to set the date and time manually.
- **Synchronize with PC:** Select this option and the date & time settings of the camera will be synchronized with the connected computer.



2. Account

vice Settings Acco	ount Manage	ment Ports	Firmware	Maintenance	
Viewer Login 🛛 🖉	Anonymous	Only	users in datal	base	Save
Admin					
Password:					Modify
Confirm Password:					
Users —					
User Name :					Add
Password :					
Confirm Password:					
User List :					
					Delete
Guest User Name :					Add
Password :					
Confirm Password:					
Guest List :					
					Delete

- Viewer Login: Anonymous means user can login without user name and password. Or select "Only users in database" to limit the authentication.
- Admin: To prevent unauthorized access to the camera's Web Configuration, you are strongly recommend to change the default administrator password. Type the administrator password twice and then click **Modify** to set and confirm the password.
- Users
 - User Name/Password/Confirm Password: Enter the user's name you want to add to use the camera. Then, enter the password twice for the new user. When done, click Add to add the new user for the camera.



- User List: Display the existing users of the camera. To delete a user, select the one you want to delete and click **Delete**.
- Guest
 - User Name/Password/Confirm Password: Enter the user's name you want to add to use the camera. Then, enter the password twice for the new user. When done, click Add to add the new user for the camera.
 - **Guest List:** Display the existing guests of the camera. To delete a guest, select the one you want to delete and click **Delete**.

Note: The "Users" can access the camera and control the Function buttons of the camera's Web Configuration; the "Guest' can only view the live view image from the Main screen of the Web Configuration while accessing the camera. Only the "Admin" is allowed to configure the camera through the Web Configuration.

3. Management Ports

System					
Device Settings	Account	Management Ports	Firmware	Maintenance	
HTTP	80				
HTTPS Enable HTTPS HTTPS Port:	5	3			
Apply Cancel]				

- **HTTPS:** Select the **Enable HTTPS** option to enable HTTPS which is a secure protocol to provide authenticated and encrypted communication within your network.
 - **HTTPS Port:** Assign a HTTPS port in the text box. The default HTTPS port is **443**.



4. Firmware

Device Settings	Account	Management Ports	Firmware	Maintenance
Update Firm	ware —			
Current Firmwa	re Version:	build: 1.25		

- **Update Firmware:** You can upgrade the firmware for your camera once you obtained a latest version of firmware.
 - Current Firmware Version: It displays the current firmware version.
 - Update: Click Browse to locate the firmware file and then click Update.

Warning!!!

The download firmware procedure cannot be interrupted. If the power and/or network connection are broken during the download procedure, it might possibly cause serious damage to the device. Strongly suggest that DO NOT upgrade firmware via Wireless LAN due to high error rate possibly and don't allow any other clients to access this unit during updating procedure. Be aware that you should not turn off the power during updating the firmware and wait for finish message. Furthermore, the firmware upgrade procedure always is risk and do not try to upgrade new firmware if it's not necessary.



5. Maintenance

O System
Device Settings Account Management Ports Firmware Maintenance
Factory Reset
Factory reset will restore all the settings to factory default Reset
Factory reset will restore all the settings to factory default (Excluding Network Setting) Reset
System rebooted
Reboot
Configuration Backup
Backup To SD CARD Device
Configuration Restore
Select the configuration file to restore: 瀏覽 Restore Restore From SD CARD Device
Format
SD Card

- Factory Reset: Click Reset to restore all factory default settings for the camera.
- **System rebooted:** Click **Reboot** to restart the camera just like turning the device off and on. The camera configuration will be retained after rebooting.
- **Configuration Backup:** You can save your camera configuration as a backup file on your computer. Whenever you want to resume the original settings, you can restore them by retrieving the backup file.
- **Backup:** Click the button to save the current configuration of the camera.
- Backup to SD CARD Device: Click to save the configuration file to SD card.
- **Configuration Restore:** lick **Browse** to locate the backup file on your PC and then click **Restore**.



- Restore From SD CARD Device: Restore the backup file from SD card.
- Format: Click to format the SD card.

6.8 Status

The Status menu shows the current status of the camera, including the basic information, audio/video settings, networking configuration, and system logs.

🙆 Statu	ls		
Basic	Audio/Video	Network System Log	
Basi	c		
Dash	Came	era Name: Airlive MD-3025-IVS	
	Firmw	ware version: build: 1.44	
	Came	era Date & Time: 01/14/2014 13:31:18	

1. Basic

It provides the basic information as above.

2. Audio/Video

It provides the information including H.264/MJPEG/Mobile View/Audio as below.

Status				
Basic	Audio/Video Network	System Log		
	4			
	Video Resolution:	1920x1080 (1080P)		
	Video Quality:	Very High		
	Frame Rate:	25 fps		
	·			
	Video Resolution:	320x192 (OVGA)		
	Video Quality:	Very High		
	Frame Rate:	10 fps		
Mahila	View			
Mobile	3GPP Enable:	Disable		
-Audio				
Audio	Microphone In:	Fnable		
	Microphone Gain:	+10 dB		
	Speaker Out:	Enable		



3. Network: It provides the information including IP/LAN as below.

Status				
Basic	Audio/Video	Network	System L	og
_Wive e				
wired	Internace	IP MODE:		DHCP IPv4/IPv6
		IP Address(IP	v4):	192.168.0.73
		IP Address(IP	v6):	
		Subnet Mask:		255.255.255.0
		Gateway:		192.168.0.254
		Primary DNS:		192.168.0.254
		Secondary DN	IS:	0.0.0.0
		MAC:		00:40:01:2E:32:D5

4. System Log: It provides the log information as below. Status

Basic	Audio/Video Network	System Log
	Enable remote log	
	TD Addresses	
	IP Address:	
	Port:	514
		Save
-Log Li	et	
Log Li		
I		
Item	Date and Time	Event
1.	10/23/2013 14:52:22	admin login on 192.168.0.184
2.	10/23/2013 14:21:43	admin login on 192.168.0.29
3.	10/23/2013 14:21:11	admin login on 192.168.0.29
4.	10/23/2013 14:16:30	[EVENT MGR]: Trigger By Motion Detection
5.	10/23/2013 14:15:55	[EVENT MGR]: Trigger By Motion Detection
6.	10/23/2013 14:09:32	[EVENT MGR]: Trigger By Motion Detection
7.	10/23/2013 14:08:52	[EVENT MGR]: Trigger By Motion Detection
8.	10/23/2013 13:51:11	admin login on 192.168.0.29
9.	10/23/2013 13:18:21	admin login on 192.168.0.29
10.	10/23/2013 13:17:15	admin login on 192.168.0.29
11.	10/23/2013 13:13:07	admin login on 192.168.0.29
12.	10/23/2013 13:12:48	admin login on 192.168.0.29
13.	10/23/2013 12:27:47	[EVENT MGR]: Trigger By Motion Detection
14.	10/23/2013 11:59:23	[EVENT MGR]: Trigger By Motion Detection
15.	10/23/2013 11:29:03	[EVENT MGR]: Trigger By Motion Detection
16.	10/23/2013 11:28:50	admin login on 192.168.0.29
17.	10/23/2013 11:27:24	Sync with NTP server: [2013/10/23 11:27:24]
18.	11/07/2013 03:25:28	[RTSP SERVER]:Start one session<192.168.0.75>
19.	11/07/2013 03:25:27	[RTSP SERVER]:Stop one session<192.168.0.75>
20.	11/07/2013 03:25:24	[NET]: UPnPAV Disable
Circle 1	Dens Descions N	unt Finel Page Delete
First	Page Previous N	ext Final Page Delete

• Enable remote log: Enter the IP address to enable the remote log function.



Appendix

A. Video Analytics (Only for BU-3026-IVS)

BU-3026-IVS provides multiple intelligent video analytics that helps you to save your human resources and reach the goal of automatic surveillance. Please go to **Configuration** \rightarrow **Video Analytics** to experience the entire IVS function.

Note: Only one Video Analytics function can be excuted at same time.

When using Video Analytics, we will recommend you to use 2-Megapixel resolution for best performance. If 3-Megapixel resolution is selected, only Face Detection will be available.

A.1 Face Detection:

Face detection is a precise feature which needs highly accurate rate of recognition on human faces only. The software is able to count how many faces in the image and also highlights those faces simultaneously so the administrator will be easier to look in details on each face at specific environment.



Configuration	Video Analytics	
Back to Home Network	Sensitivity: 75% ?	
Audio Event Storage	Trigger Quantity 2 1 Interval User Define 1 SEC	~
RS-485 System Status	03/18/2014 15:18:50 Detection Result Overlay: OrFF O Privacy Mask @ Rectangle	
Video Analytics	Image: Comparison of Winn. Show Face Size) Face Enhancement: OFF	
	🖉 Image Capture Media Format	
	⊙ One Snapshot	
	Post Event 5 V	
	Save To SD Card Y	
	Statistics Record	
	Export Mode Manual Auto Auto Auto	
	Export Data From Jan V Hour Minute Month Day Hour Minute	
	To Dec V 31 V 23 V 59 V Export Reset	
	Apply Cancel Default	

- **Sensitivity:** Adjust sensitivity 0~100%, the higher sensitivity means more precisely and detailed face detection.
- Event Conditions: Once you want to change the trigger condition, you have to select the event interval by <u>NONE</u>, <u>Daily</u>, <u>Hourly</u> or <u>User Define</u> and <u>Quantity</u>. For example, if you set Trigger Quantity for 5 people and interval with "1 Minute", IP Camera detects 5 faces will trigger alarm. In the following one minute, camera won't trigger alarm even though there are more than 5 faces are detected. After one minute, camera will trigger alarm again if it detects 5 faces again.
- Set Event Action: Go to the Event Schedule to Add or Edit the IVS event.
- Detection Result Overlay: Select OFF, Privacy Mask @r Rectangle to be shown on the face when any face has been detected.
- Calibration (Min. Face Size): Face detection requires the min. face size is 20x20 pixels, so you can use this for reference.
- Face Enhancement: Enable this function for more accuracy.
- Image Capture: Enable this function to save the image to Samba server or SD card.



Note: When you change the media format, it will effect all the exsisted events.

- **Statistics Record:** This function can record how many faces have been detected. You can configure your camera in different ways to generate the statistics you required and statistic data can be exported in csv format file.
 - Select **Auto**, camera can send yesterday report to Samba server or FTP server automatically.
 - Select **Statistics Period** to specify the period you want the data for.
 - Select the range to export the data or press "Reset" to delete it.
- Statistics Chart Display: Enable this to see the detection result by chart.

A.2 Face Recognition:

The key feature of Face Recognition is to recognize faces for access control or any suspicious persons in camera which match the database. You can save up to 10 face images to the AirLive BU-3026-IVS for recognition, so when the camera catch the face which match the database, the camera will trigger related output devices by necessary reaction.

Back to Home		
Network Video Audio Event Storage System Status	Trigger Interval: 5 sec Image: Sec interval interv	Latest Recognized User USER1 2014-01-14 14:04:44
nee Analy us	Face Database Register Edit Users Database Backup To SD CARD Dev Restore From SD CARD Dev	Vice evice

- Select proper alarm time in **Trigger Interval**.
- Select to Enable/Disable the overlay in **Recognition Result Overlay**. All the detected face will be shown on the live view screen.
- Select **Confidence Level** to set the confidence threshold when compared to the faces in the database.



- Set Event Action: Go to the Event Schedule to Add or Edit the IVS event.
- **Register** function supports memorizing up to **10** results of face recognition into the database. Also you can select to edit the database, backup to or restore from the SD card device.
- Edit Users Database: You can edit the registered database here. (See below)

ck to Home	
Network	- Face Recognition
Video	Alarm Period: 5 sec V Latest Recognized User
Audio	Recognition Result Overlay: Disable 🛩 USER4
Event	Confidence Level: 75%
Storage	
System	Set Event Action
Status	
eo Analytics	Edit Users Database Edit Users Database Delete All
eo Analytics	Edit Users Database
to Analytics	Edit Users Database Edit Users Database Edit Users Database Delete All USER1 Charge Delete USER2 Charge Delete USER3 Charge Delete USER4 Charge Delete USER4 Charge Delete USER4 Charge Delete
to Analytics	Edit Users Database Edit Users Database Edit Users Database Delete All USER1 Change Delete USER2 Change Delete USER3 Change Delete USER4 Chang
to Analytics	Edit Users Database Edit Users Database Delete All USER1 Change Delete USER2 Change Delete USER3 Change Delete USER4 Change
to Analytics	Edit Users Database Edit Users Database Delete All USER1 Change Delete USER2 Change Delete USER3 Change Delete USER4 Change

A.3 iMotion Detection (Intelligent Motion Detection)

Intelligent Motion Detection is able to increase the accuracy of motion detection and also provides more flexible setting with polygon for the zones. Any moving object in the zone will trigger this alarm. Objects must move and stay within the boundary for at least 100 ms.

Configuration	-Video Analytics iMotion Detection ♥ Ø		
Back to Home Network Video Audio Event Storage		IMD Settings Sensitivity: Detect: Calibration:	MODERATE People Ovehicles Anything People Vehicles Set Event Action
System Status Video Analytics	I Hide Rule Statistics Chart Display	Zone Settings Set Zones	Add Zone Delete Zone Delete All Enable

• Select **Sensitivity** to set the detection sensitivity level. Higher sensitivity will make it easier to detect and less objects missing, but more misjudgments.



- Select **People / Vehicles / Anything** as the detected objects.
- Select Calibration (People or Vehicle Object Sizes). The minimum and maximum boundary of objects can be specified to improve the detection accuracy. The width and length values must be at least 6 pixels. If any false detection caused by smaller objects, you can try to increase the minimum size.
 - **Min. Size of Calibration:** The width and length values must be 6 pixels at least. If any false detection caused by smaller objects, you can try to increase the minimum size.
 - Max. Size of Calibration: It has to be larger than the minimum size and half the frame size is the most.
 - Go to the Event Schedule to Add or Edit the IVS event in the Set Event Action.
 - Up to **4** zones can be specified when click the **Add Zone** function. Left click to add the point and **15** points at most can be used in each zone.
 - Select Delete Zone/All to delete the zones
 - Select Enable/Disable to allow the trigger or not.

A.4 Trip Zone

The Trip Zone is an area protection based on two virtual areas with a line in center. Any object moves across the line within 0.5 second at least will trigger the alarm and send out an alert. It can be set to detect one direction or both directions. It is very useful to some surveillance environments like walls, railroad platform, parking lot entrance or any intersection where needs to monitor the "Against Traffic".

Back to Home	Trip Zone V		
Network		Trip Zone Settings	
Video		Sensitivity:	MODERATE V
Audio		Detect:	○ People ○ Vehicles ● Anything
Event		Calibration:	People Vehicles
Storage	Zone 1 Zone 2	Event Conditions:	Interval User Define 1
System		Event conditions.	
Status		No. of Concession, Name	Set Event Action
ideo Analytics			
	Hide Rule	Zone Settings	
		Edit Mode	Retate Mode Transform Mode
		Lactione	
		Directionality	Bi-Directional Zone 1 to 2 Zone 2 to 1
	Statistics Chart Display		

- Select **Sensitivity** to set the detection sensitivity level. Higher sensitivity will make it easier to detect and less objects missing, but more misjudgments.
- Select **People / Vehicles / Anything** as the detected objects.



- Select Calibration (People or Vehicle Object Sizes). The minimum and maximum boundary of objects can be specified to improve the detection accuracy. If any false detection caused by smaller objects, you can try to increase the minimum size.
- In **Event Conditions**, you can specify the minimum time interval and quantity (500 at most) for each alarm. And go add or edit the IVS event in the **Set Event Action**.
- Select Rotate Mode or Transform Mode in Edit Mode.
 - Rotate Mode: User can rotate the zone at will.
 - **Transform Mode:** User can drag the point of the zone to any shape.
- **Directionality:** User can select the detected moving direction from one to another or both the directions
- Statistics Chart Display: Here will show the result of Trip Zone.

A.5 Object Counting

The Object Counting makes store owners easier to calculate the number of people in and out of the store. You may choose one way or two way directions for counting. The numbers can be displayed on screen and saved to the database. It is also useful to calculate the amount of traffic flow on the highway.

Back to Home Object Counting ♥ Network Z2+Z1: 0003 Video Z1-Z2: 0004 Audio Z0+Z1: 0004 Event Zone 1 Storage Z0+Z1: 0004 RS-485 03/18/2014 System 03/18/2014	Cobject Counting Settings Sensitivity: MODERATE Detect: People Vehicles @ Anything Calibration: People Vehicles Event Conditions: Interval User Define 1 SEC Quantity 1	
Network Z2-Z1-00003 Video Z1-Z2:0000 Audio Z1-Z2:0000 Event Zone 1 Storage RS-485 System 03/18/2014 16:10:55	Object Counting Settings Sensitivity: MODERATE Detect: O People Calibration: People Event Conditions: Interval User Define 1 SEC	
Video Z1-Z2:0004 Audio Z1-Z2:0004 Event Zone 1 Storage RS-485 System 03718/2014 03718/2014 16:10:55	Sensitivity: MODERATE Detect: O People O Vehicles O Anything Calibration: People Vehicles Event Conditions: Interval User Define 1 SEC O Quantity 1	
Audio Event Storage RS-485 System 03718/2014 16:10:55	Detect: OPeople OVehicles OAnything Calibration: People Vehicles Event Conditions: Interval User Define V1 SEC V Ouantity 1	
Event Zone 1 Zone 2 Storage 8 RS-485 9 System 03/18/2014 16:10:55	Calibration: People Vehicles Event Conditions: Interval User Define V 1 SEC V	
Storage 2010 1 2	Event Conditions: Interval User Define V 1 SEC V	
RS-485 System 03/18/2014 16:10:55	Quantity 1	
System 03/18/2014 16:10.55		
Chahur	Set Event Action	
Video Analytics	Counting Result Enable 💟	
	Detect Line Overlay: Disable 🍸	
	Reset Counter:	r Define
	Zone Settings	
	Edit Mode 💿 Rotate Mode 🔿 Transform Mode	
	Directionality 💿 Bi-Directional OZone 1 to 2 OZone 2 to 1	
	Statistics Record	
	✓ Statistics Record	
	Export Mode O Manual Auto 🛛	
	Statistics Period By minute Minute	
	Export Data From Jan V Hour Minute	
	To Dec 31 23 59 Evont Reset	
	[ryhou] [ueser	
Statistics Chart Display		



- Select **Sensitivity** to set the detection sensitivity level. Higher sensitivity will make it easier to detect and less objects missing, but more misjudgments.
- Select **People / Vehicles / Anything** as the detected objects.
- Select **Calibration (People** or **Vehicle Object Sizes)**. The minimum and maximum boundary of objects can be specified to improve the detection accuracy. If any false detection caused by smaller objects, you can try to increase the minimum size.
 - -Min. Size of Calibration: The width and length values must be 6 pixels at least. If any false detection caused by smaller objects, you can try to increase the minimum size.
 -Max. Size of Calibration: It has to be larger than the minimum size and half the
 - frame size is the most.
- In **Event Conditions**, you can specify the minimum time interval and quantity for each alarm. And go add or edit the IVS event in the **Set Event Action**.
- Enable / Disable the **Counting Result Overlay**.
- Enable / Disable the **Detect Line Overlay**.
- **Reset Counter**: Select the minimum time interval to reset the counter result.
- Select Rotate Mode or Transform Mode in Edit Mode:
 - Rotate Mode: User can rotate the zone at will.
 - Transform Mode: User can drag the point of the zone to any shape
- **Directionality:** User can select the detected moving direction from one to another or both the directions.
- Statistics Record: You can configure your camera in different ways to generate the statistics you required and statistic data can be exported in csv format file.
 - Select **Auto**, camera can send yesterday report to Samba server or FTP server automatically.
 - Select and choose the **Statistics Period** that you want and also you can export or reset the result.
 - Statistics Chart Display: Here will show the result of Trip Zone.

A.6 e-Fence

The e-Fence is an electronic fence protection system which is able to detect and send output alert if any object is entering or leaving the boundaries you set in the camera. This function can be used in many applications, either as a standalone protection system or other protection systems such as airports, power plants, radio towers or even military camps.



Air Live			BU-3026-IVS 3-Megapixel 25 meter Wide Angle IR
Configuration Back to Home Network Video Audio Event Storage System Status	Video Analytics e-Fence O	e-Fence Settings Sensitivity: Detect: Calibration: Zone Settings	MODERATE People Ovehicles Anything People Ovehicles Set Event Action
Video Analytics	Hide Rule Statistics Chart Display Apply Cancel Default	Set Zones	Add Zone Delete Zone Delete All Enable

- Select **Sensitivity** to set the detection sensitivity level. Higher sensitivity will make it easier to detect and less objects missing, but more misjudgments.
- Select People / Vehicles / Anything as the detected objects.
- Select Calibration (People or Vehicle Object Sizes). The minimum and maximum boundary of objects can be specified to improve the detection accuracy. The width and length values must be at least 6 pixels. If any false detection caused by smaller objects, you can try to increase the minimum size.
- **Min. Size** of Calibration: The width and length values must be 6 pixels at least. If any false detection caused by smaller objects, you can try to increase the minimum size.
- **Max. Size** of Calibration: It has to be larger than the minimum size and half the frame size is the most.
- Set Event Action: Go to the Event Schedule to Add or Edit the IVS event.
- Up to4 zones can be specified when click the **Add Zone** function. Left click to add the point and **15** points at most can be used in each zone.
- Select Delete Zone/All to delete the zones.
- Select **Enable/Disable** to allow the trigger or not.
- Statistics Chart Display: Here will show the detection result of e-Fence.