Video Server

User Manual Ver. 5.0

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About this document

Applied models:

- EV3151
- EV3151 A

This user manual is intended for administrator and/or user of Etrovision EV3151 & EV3151A Video Servers. Operational instructions & network configuration are elaborated. Prior knowledge about network setup and configuration will be helpful.

IMPORTANT

- ✓ Check PC specification requirements.
- ✓ Check **OS platform requirements**.
- ✓ Install EtroStation™ 3.0 software before you start working with video server.
- ✓ Read special notes and important configuration information.

TABLE OF CONTENTS

1.	PRODUCT OVERVIEW	5
	PACKAGE &CONTENTS	6
2.	PRODUCT CD	6
3.	BEFORE YOU INSTALL SOFTWARE	7
4		7
4.		
5.	HOUSING AND CONNECTORS	7
	EV3151	7
	EV3151A	8
6.	FIRST TIME USE INSTRUCTIONS (READ CAREFULLY)	8
	INSTALL ETROSTATION™3.0	8
	WHICH BROWSER TO USE?	8
l	POWER ON VIDEO SERVER	8
	CONNECTING TO NETWORK	9
	CONNECTING TO ANALOG CAMERA	9
	CONNECTING I/O	9
	FACTORY SETTING - INITIAL IP ADDRESS	
	NETWORK DOMAIN	
	USING ETROSCAN™	
	CHANGE NETWORK SETTINGS BY ETROSCAN™	
7.	ACCESS VIDEO SERVER	
	BROWSER	13
	INITIAL USERNAME & PASSWORD	14
	CONTROL PANEL SETTINGS	
8.	WEB INTERFACE SETTINGS	17
	STATUS	17
	NETWORK	
	STATIC IP	
	DYNAMIC IP	
	PPPoE SETTINGS	
,	VIDEO	21
	VIDEO SETTINGS	
	MAX CLIENT LIMIT	

COLOR SETTINGS	24
VIDEO PREVIEW	25
EVENT RULE	25
EVENTS HANDLED	27
ACTIONS TRIGGERED	28
RULE LISTS - ADDING/DELETING	28
MODIFYING RULE LISTS	28
DATE & TIME	29
OSD	30
PTZ CONTROL	30
PORT	31
DDNS	31
SMTP/FTP	32
E-MAIL – SMTP SETTINGS	33
FTP SETTINGS	34
TRIGGER SETUP	34
Digital INPUT	35
PERIODIC TIMER	35
MOTION DETECTION	35
Video Loss	37
PRE/POST SETTING	37
SD CARD	
ACCOUNT	
SECURITY	40
MAINTENANCE	42
9. FACTORY DEFAULT	43
10. REBOOT	43
11. LOGOUT	43
12. ETROLINK [™] CONFIG PORT - FIRST TIME EXPERIENCE	44
SUPPORTED OS	44
NO SOFTWARE INSTALLATION REQUIRED	45
STEPS FOR USING ETROLINK [™] CONFIG PORT (<i>WINDOWS XP PC</i>)	45
WHAT IF QUICKCONFIG DOES NOT AUTORUN?	49

1. PRODUCT OVERVIEW

EV3151 & EV3151A are stand-alone video/audio streaming servers designed for professional IP surveillance applications. With embedded web viewer, streaming video/audio over network can be accessed like browsing a website.

Both EV3151 & EV3151A are capable of encoding H.264/MJPEG/MPEG4 streaming, allowing perform simultaneous dual stream.

Combination of dual-	-stream
----------------------	---------

Format	Stream1	Stream2
H.264		
MJPEG		
MPEG4		

Major differences are...

Features	EV3151	EV3151A
Video Out	x	x
Audio In	N/A	x
Audio Out	N/A	x
PTZ	x	x
DI / DO	N/A	x
Wireless Socket	N/A	X -

Both EV3151 & EV3151A feature the proprietary Etrolink[™] config port,

making it the only digital surveillance product in the market with proprietary design for "Ease-of-use", "Reliability", and "Manageability".

PACKAGE & CONTENTS



- Video server unit X 1
- Power adapter X 1
- USB cable X 1
- Product CD X 1
- Terminal block connector X 1 (EV3151 ONLY)
- Mini DIN cable (EV3151A ONLY)

2. Product CD

Product CD in the package contains the following:

- ✓ EtroStation[™]3.0 NVR management software
 - 16CH Live View / Recording / 4CH Playback
- ✓ User Manuals
- ✓ Etrovision Product Brochures

3. BEFORE YOU INSTALL SOFTWARE

- ✓ PC running Microsoft Windows 2000 or Windows XP is only capable of running EtroStation[™]3.0 software.
- ✓ PLEASE go through EtroStation™3.0 users' manual before installation to check further PC requirements in order to ensure smooth software operation.

4. LANGUAGE SUPPORT

✓ ENGLISH

<u>NOTE</u>

EtroStation™3.0 setup will auto-run when inserting product CD. Pay attention to dialog box questions before you press **OK** button.

5. HOUSING and CONNECTORS

<u>EV3151</u>



<u>EV3151A</u>



6. FIRST TIME USE INSTRUCTIONS (read carefully)

INSTALL ETROSTATION™3.0

Install **EtroStation™3.0** software. **EtroScan™** is a software utility to find your video server on the network. It is a part of EtroStation™3.0.

WHICH BROWSER TO USE?

We strongly recommend <u>Microsoft IE browser version 6 or higher.</u> Mozilla Firefox and similar others are not guaranteed to work with EV3151 / EV3151A.

POWER ON VIDEO SERVER

Power on video server by using power adapter provided in the product package. Connect power adapter to 110-220v AC socket.

CONNECTING TO NETWORK

Connect a standard CAT5 Ethernet cable to R45 socket on EV3151 / EV3151A and connect other end to your network hub/switch. Make sure the PC you want to access EV3151 / EV3151A is on the same network domain.

CONNECTING TO ANALOG CAMERA

Connect a standard BNC video cable to BNC connector on EV3151/EV3151A and connect other end to your analog camera (CCTV); EV3151/EV3151A will receive video input signal for streaming encoding.

CONNECTING I/O

One miniDin cable is included in product box, which supports Digital Input, Digital Output and RS485 interface. Pin define as following:



- Blue line : RS485 +
- Green line : RS485 -
- Yellow line : DI +
- Black line : DI -

- Brown line : DO +
- Red line : DO -

FACTORY SETTING - INITIAL IP ADDRESS

IP Address : 192.168.1.2 Gateway: 192.168.1.1

NETWORK DOMAIN

Change the IP of the PC you want to access EV3151 / EV3151A inline with 192.168.1.2. You can change the video server IP later as per your convenience using EtroScan[™] as described below.

<u>USING ETROSCAN™</u>

EtroScan[™] software is the quickest way to make sure we can find EV3151 / EV3151A on your network. EtroStation™3.0 setup will install two applications. You can see as shown below.

🖬 Etrovision 🕨	🚡 EtroStation 🕨 🔷 EtroScan
ffdshow	🔷 EtroStation

Select **EtroScan™**. The following window appears after you select "EtroScan™" from start menu.



Press **Scan** button to list the IP and MAC address table. To refresh, press **Clear Table** and press **Scan** again.

You will find the list of IP and MAC address listed. To identify your EV3151 / EV3151A you can flip over the video server and on the bottom side you check the label for MAC address.



CHANGE NETWORK SETTINGS BY ETROSCAN™

You can double click a specific IP address and change some basic network parameters. A dialog box will appear as follows.

CETROUISION www.etrovision.com	EtroScan Utility	i = ×		ietting Page							
Network Type IP Address static 192.168.1.2	MAC Address 00-19-6C-00-01-8D			Network Type	⊙ s	tatio	: IP		С	ppp	0E
				Network Configurat	tion						
) IP Address : 🗍	192	1.0	168	24	1		2
		Double c	lick	Gateway :	192	3•2	168	3 .	1	•	1
				Net Mask :	255	•	255	з.	255		0
				DNS Server :	168	3.•3	95	82	1		1
Scan Change Setting.	ClearTable	Exit		Apply		R	esto	re	1	С	lose

Change any settings you want to make and make sure you have correct values in all fields. Click **Apply**.

Within 10 seconds, the dialog box should disappear to indicate new settings are accepted and being applied. Wait for around 30 seconds, before trying to refresh IP list. Click **Clear Table** and click **scan** again.

You should be able to find MAC address of video server under new IP address. EV3151 / EV3151A is online on your network. Use **ping** command from Windows command prompt to double check if IP is reachable.

TIP

<u>"DOUBLE RIGHT CLICK" ADVANTAGE</u>

If you want to quickly open the IP you see on Etroscan[™] on your browser, select an IP and do a "double right click" on your mouse/touchpad. You can see the browser window open that IP.

To quit **Etroscan™** anytime, click **Exit**.

7. ACCESS VIDEO SERVER

BROWSER

- > Open IE browser
- ➤ Type IP address of video server that you found on EtroScan™ software. For ex. default IP is 192.168.1.2
- > A popup login dialog will automatically display
- > Initial username and password are...

Login: root

Password: pass

Click **OK** button to go to web view.

連線到 10.1.20.1	76 🔹 🕅 🤶 🔀
R	GA
位於 EV3000 Vide 者名稱及密碼。	o Server 的伺服器 10.1.20.176 需要使用
警告:此伺服器要: 式傳送 (基本驗證	求您的使用者名稱及密碼以不安全的方 ,不含安全連線)。
使用者名稱(U):	😰 root 💌
密碼(P):	****
	□記憶我的密碼(<u>R</u>)
	確定 取消

INITIAL USERNAME & PASSWORD

Administrator

- Default ID/Password = root/pass.
- > Only password is changeable for root account.
- > Full access right to view, control system settings.

When you log in successfully with root/pass as **administrator**, the

viewer screen will display as shown below.

EV3151A Live Viewer (Admin Mode)

EV3131A Live Viewer (Admin Mode)



- 1. Notice top right viewing corner of page 📠 间 has a toggle button to take EV3000 Video Server REC you between web configuration page & viewing page. Always click that if you want to move from one page to the other.
- 2. Several controls options are available on the right side.
- 3. OSD is displayed on top left corner of the screen (time, date,

12-31camera name)

CONTROL PANEL SETTINGS

Video\Resolution

Following table describes resolution values for each video format

Resolution	CIF	QCIF	D1	Vide Stream	eo 1
NTSC	352X240	176X120	720X480	Stream Resolution	D1
PAL	352X288	176X144	720X576	Bitrate	D1 CIF

Video\Bit rates ≻

Choose a particular value and it is applied within few seconds. Video on the screen will pause briefly.

64K / 128K / 256K / 384K / 500K / 750K / 1M / 1.5M / 2M / 3M / 4M (bps)

- Audio \ Enable check box (only EV3151A) \geq
 - Enable or disable function for audio in & audio out will result in Audio Speaker video flicker for a second and then return back to normal. This Mic

Resolution D1

Bitrate

Mic

*

2M ×

32k 84k Aud 128k

258k Speake 384k 500k

> 750k 1M 1.5M Cont 2M 3M ▲ 4M

is not an error.

> P/T/Z controls (will need PTZ controller)

- Preset: preset point set & go defined preset point
- Focus: adjust camera focus
- Zoom: control camera zoom ratio
- Iris: adjust camera IRIS level
- > Camera Information.
 - Shows video information of the transferred data on the upper left corner of the video screen such as frame rate (fps), channel name, resolution.



Control

s Preset

Focus

Zoom

Iris

(+)

+)

(G)

(-)

0

 \bigcirc

FPS Name Resolution

CETROUISION

WWW.etrov sion.com

EV3000 Video Server

Video

Video

- Digital Output (only EV3151A)
 - When enabled, DO provide contact

close and acts purely as a switch.



¹⁶ 091107

8. WEB INTERFACE SETTINGS

EV3151 / EV3151A built-in web interface offers more advanced settings. On the main viewing page, click icon located on top-right side to enter server settings page. It is a toggle button to switch between Config and viewer pages.

EV3000 Video Server

REC

www.etrovision.com			EV3000 Video Server	[ĕ
Status	Status			
Basic				
<u>Network</u> Video	Network Status (W	ired)	· · · · · · · · · · · · · · · · · · ·	
Event Rule	MAC Address	00:19:6C:00:00:00		
Date / Time	IP Address	10.1.20.176		
<u>OSD</u>	Subnet Mask	255.255.255.0		
Expert	Gateway	10.1.20.250	1	
PTZ Control Port DDNS	Default DNS	10.1.20.96	·/	
SMTP/FTP	Model Info			
Trigger Setup	Model	EV3000		
Pre/Post Setting	Serial Number	A001000001	L.	
Account Security	···· Firmware Version	1.3.0 Build 20090417	;	
Maintenance				
actory Default				
Reboot				
ogout				

<u>STATUS</u>

- > Initial view of web Config interface is status page.
- Hardware & Firmware information along with network status such as

current IP and related details are clearly shown.

<u>NOTE</u>
Remember to press " OK " after you have changed settings in a particular settings page
which has " OK " button. After few seconds, you can see a confirmation dialog box
informing that settings have been updated. Pressing OK will return to the same page.
Windows Internet Explorer
Configuration is updated.

<u>NETWORK</u>

Three configuration types are available for wired network connection

STATIC, DYNAMIC & PPPoE.

STATIC IP

O Dynamic IP		
Static IP)	
IP Address	192.168.1.2	
Subnet Mask	255.255.255.0	
Gateway	192.168.1.1	
Default DNS	168.95.1.1	
O PPPoE	/	
User ID	pppoe_user	
User Password		
Verify Password		
MTU	1412	
DNS Server	🔾 Manual 💿 Auto	
DNS	168.95.1.1	
Enable UPnP		

- IP Address
 - Confirm with network administrator.
- Subnet Mask/Gateway/Default DNS
 - Confirm with network administrator.

- > Always click "**OK**" to save changes in a particular page.
- > Reboot is required and will be automatically triggered after you press

"<u>OK</u>". Wait for count down timer to finish and page will refresh automatically and you should see initial login page.

<u>Note:</u>

<u>Always use EtroScan™ to find the MAC address after reboot and double check the IP</u> <u>address is correct. If IP was changed in web configuration, you cannot return to</u> <u>initial login page after reboot.</u>

DYNAMIC IP

Oynamic IP		
O Static IP		
IP Address	192.168.1.2	
Subnet Mask	255.255.255.0	
Gateway	192.168.1.1	
Default DNS	168.95.1.1	
O PPPoE		
User ID	pppoe_user	
User Password		
Verify Password		
мти	1412	
DNS Server	🔘 Manual 💿 Auto	
DNS	168.95.1.1	
Enable LIPnP		

- If DHCP server is on LAN and you want to allocate Dynamic IP address, use DHCP.
- ➢ Click "OK" button.
- Reboot is required and will be automatically triggered after you press "<u>OK</u>". Wait for count down timer to finish and page will refresh automatically and you should see initial login page.

<u>Note:</u>

<u>Always use EtroScan™ to find the MAC address after reboot and double check the IP</u> <u>address is correct. If IP was changed in web configuration, you cannot return to</u> <u>initial login page after reboot.</u>

PPPoE SETTINGS

O Dynamic IP		
O Static IP		
IP Address	192.168.1.2	
Subnet Mask	255.255.255.0	
Gateway	192.168.1.1	
Default DNS	168.95.1.1	
PPPoE	1	
User ID	pppoe_user	
User Password	••••	
Verify Password	•••••	
MTU	1412	
DNS Server	O Manual 💿 Auto	
DNS	168.95.1.1	

- > PPPoE is used in case network supports PPPoE like xDSL
- Request Internet Service Provider for PPPoE ID/Password
- User ID / Password
 - PPPoE user ID / Password
- Service Name
 - Service name of ISP
- > MTU
 - Maximum transmission unit of data
- > IP address of DNS sever can be set to be created automatically.
- > If xDSL does not use static IP, you should use DHCP.

<u>VIDEO</u>

Stream 1

Status	Video	
Basic		
Network Video	Stream 1	Stream 2 Color Setting
<u>Event Rule</u> Date / Time	Video Setting	``
<u>OSD</u>	Stream Port	1852
Expert	Stream Protocol	ТСР
PTZ Control	Enable Multicast	
<u>Port</u> DDNS		228 0 0 1
<u>SMTP/FTP</u>	Multicast Port	10000
<u>Trigger Setup</u>		45
Pre/Post Setting	Multicast IIL	15
<u>5D Card</u>	Video Compression Type	H264
<u>Account</u> Security	Resolution	D1
Maintenance	Bitrate Type	⊙ Constant Bitrate ○ Variable Bitrate
actory Default		2Mbps
teboot	Frame Rate	25
Logout		23
	GOP Size	1*FPS 💌
	Video Field Type	O NTSC PAL Detect

VIDEO SETTINGS

- > Stream Port
 - Stream 1 port value setting
- Stream Protocol
 - TCP/UDP(RTP) selectable
 - When UDP selected, user can decide whether or not to enable multicast function
- Video Compression Type
 - H264/MJEPG / MPEG4 format selectable
- Resolution
 - D1/CIF /QCIF selectable

- Bit rate Type
 - Constant and Variable bit rates control allows flexibility in choosing how much bandwidth is available on network and quality of video required.
- Constant Bit rates
 - 4M / 3M / 2M / 1.5M / 1M / 750K / 500K / 384K / 256K / 128K
 / 64K

**When compression type choose "MJEPG", only image quality can be selectable,

no bit rate value parameter

	Video Compression Type	MJPEG	~
	Resolution	CIF	
I I	Image Quality	Excellent	
	Frame Rate	5	~
	GOP Size	1 * FPS	~

- > Variable Bit rates
 - 2 ~ 31 (quality is best in case value is "**3**")
- ➢ Frame per Second.
 - 1 / 5 / 10 / 15 / 20 / 25 / 30
- ➢ Group Size
 - Adjusts the ration between "I" frames and "P" frames. Lower

the group size, lower bandwidth consumption.

- Video Type
 - NTSC / PAL

**System can automatically detect input video signal when clicking detect icon

MAX CLIENT LIMIT

Maximum users (client) limit allows users accessing the video stream.

For higher bit rates and resolution, the client limit is much lower and vice versa.

- Maximum number of clients can be restricted depending on how much video quality is required and network band with is available.
 - 0 ~ 10 (value 0 means maximum allowable)

Status	Video	
Basic		
Network /ideo	Stream 1	Stream 2 <u>Color Setting</u>
<u>vent Rule</u> Date / Time	Video Setting	
<u>OSD</u>	Stream Enable	
Expert	Stream Port	554
TZ Control	Stream Protocol	
IDNS	Enable Multicast	
MTP/FTP	Multicast Address	228.0.0.2
rigger Setup	Multicast Port	11000
<u>re/Post Setting</u>		45
<u>D Card</u>	Multicast IIL	15
<u>count</u>	Video Compression Type	MPEG4
laintenance	Resolution	CIF
actory Default	Bitrate Type	📀 Constant Bitrate 🔵 Variable Bitrate
<u>eboot</u>		500Kbps
ogout	Frame Rate	30
	GOP Size	1* FPS

Stream 2

> All setting within stream 2 are the same as ones in stream 1;

administrator can enable/disable stream 2 and see live video in "Live

View" page



COLOR SETTINGS

Fine adjustments to video quality can be made using more detailed settings as shown below.

Video		
Stream 1	Stream 2	Color Setting
Color Setting		
View Vide	20	
Brightness	- 110	+ (0 ~ 255)
Contrast	- 70	+ (20 ~ 127)

BRIGHTNESS

Adjusts the image on a scale from darkness to brightness.

CONTRAST

Adjusts the extent to which adjacent areas on a video differ in brightness

SATURATION

Adjusts the chromatic purity of video thereby effecting vividness.

HUE

Adjusts the video by effecting color depth

VIDEO PREVIEW

Preview makes choices easier when tuning video settings for specific locations. By clicking the **View Video** button, you can see the following

Color Setting				
	Stop	Test	Reset	Enable Preview

Click **Stop** to exit preview. You could change other video parameters and press **TEST** to see how the changes look like. You can press **Reset** anytime to return back to the default settings. Click **Enable Preview** checkbox to save the current settings – and its takes effect right after settings have been changed.

DO NOT FORGET TO PRESS "<u>OK</u>" BUTTON TO SAVE YOUR SETTINGS.

EVENT RULE

Basically, EV3130A/AW is capable of handling all standard events. EV3131 having limited input sockets (only PTZ), only handles motion detection, periodic timer, network loss, video loss and power loss.

Events handled by EV3151

- 1. Motion Detection
- 2. Periodic Timer
- 3. Network Loss
- 4. Video Loss
- 5. Power Loss

Actions supported by EV3151

- 1. PTZ Preset
- 2. E-mail Notification
- 3. Record (Record to Local SD Card)

	PTZ Preset	Email Notification	Record
Motion Detection	Х	X	Х
Periodic Timer	х	х	
Network Loss			x
Video Loss		x	
Power Loss		Х	

Events handled by EV3151A

- 1. Digital Input
- 2. Motion Detection
- 3. Periodic Timer
- 4. Network Loss
- 5. Video Loss
- 6. Power Loss

Actions supported by EV3151A

- 1. Digital Output
- 2. PTZ Preset
- 3. E-mail Notification
- 4. Record (Record to Local SD Card)

	Digital Output	PTZ Preset	Email Notification	Record
Digital Input	Х	х	Х	X
Motion Detection	Х	x	X	х
Periodic Timer	Х	x	X	
Network Loss				X
Video Loss	Х		X	
Power Loss			X	

www.etrovision.com			EV3000 Video Server
	,		
<u>Status</u>	Event Rule		
Basic			
Network	Activated Event Rule		
Video			
Event Rule	Trigger: Motion Detection	n, Notification: Record(Pa	arameter:1)(Interval(sec):30)
Date / Time	Trigger: Network Loss, N	ification: Email Notificati	t(Parameter: 1)(Interval(sec):0)
OSD	Trigger: Video Loss, Noti	fication: Email Notification	on(Interval(sec):0)
xpert	Trigger: Periodic Timer, 1	Notification: PTZ Preset(Parameter: 1)(Interval(sec):0)
PTZ Control			3439 941
Port		Delete Delete	All
DDNS			
SMTP/FTP	Trigger and Handler		
Trigger Setup			Preset Number
Pre/Post Setting	Digital Input	Digital Output	1
<u>SD Card</u>	Periodic Timer	Email Notification	
Account	Network Loss	Email Houndation	
Security	Video Loss		
Maintenance	Power Loss		
Factory Default			
Rehoot		Add Delete	

EVENTS HANDLED

Digital Input

Can choose sensor type either "Normal Open" or "Normal Close"

Motion Detection

If motion is detected on the areas defined on the video stream, an event

will be triggered based on the rule lists.

Periodic Timer

In a pre-defined time interval, an event will be triggered based on the rule

lists.

Network Loss

When system detect network loss, an event will be triggered

Video Loss

When system detect Video loss, an event will be triggered

Power Loss

When system detect system power loss, an event will be triggered

ACTIONS TRIGGERED

Digital Output

Can active digital output.

PTZ Preset

PTZ set to a particular preset value can be triggered based on occurrence

of an event listed out in "Rule Lists".

E-mail Notification

E-mail can be sent based on occurrence of an event listed out in "*Rule*.

<u>Lists</u>".

Record (Record to Local SD)

When event triggered, system will record streaming to plugged SD card.

RULE LISTS - ADDING/DELETING

Select an event and select corresponding action. Click add button and

notice that is added in the **<u>Rule lists</u>** Information box.

MODIFYING RULE LISTS

Rule list items can be deleted individually or wholly by clicking **Delete All** button.

DATE & TIME

C ETROUISION www.etrovision.com	EV3000 Video Server
Status	,Date / Time
Basic	
Network	Date / Time
Wireless Video	Server Time 2000-01-20 08:44:36
Event Rule	Time Zone (GMT +08:00) Taipei
Scheduled Capture	• Client PC Time 2008 - 1 - 29 13 : 31 : 22
OSD	Time Server time windows.com
Expert	
PTZ Control Port DDNS	

Date and time settings can be synchronized with PC directly by clicking "Client PC time" check box. Click "<u>OK</u>" after you have made selection.

۲	Client PC Time	2007	1.	9	-	3	19	15		48
~				-	_	_		140	1.4	

- Time zone can be chosen by choosing either of the two time servers listed
- Either of the two time servers can be chosen to synchronize video server time. They are listed as follows should you choose **Time**

Server. Click "<u>OK</u>" after you have changed settings.

Time Server	time.windows.com 🖌	
	pool.ntp.org	
	time.windows.com	
	Other	K

If you want to manually input time server, choose "Other" then you can find a manual input edit box appear. Key in your preferred time server and click "<u>OK</u>".

Time Server	Other	~		
User Assign		sdue3-NTF	1.fwrtg.org	

<u>OSD</u>

Channel name can be shown/hidden by the channel name "Enable" checkbox. It can be manually typed in the "Channel name" text box and changes can be noticed.



PTZ CONTROL

www.etrovision.com			EV3000	Video Server	6
Status	PTZ Control				
Basic					
Network Wireless	Channel 1				
Video Event Rule	Channel Model (PTZ Model)	none	~	i i	
Scheduled Capture	Channel ID(Rx Address)	0			
Date / Time OSD	Baud Rate	B9600	v		
Expert	Data Bits	8	~		
PTZ Control	Parity	none	~		
DDNS SMTP/FTP	Stop Bits	1	~		
<u>Trigger Setup</u> <u>Pre/Post Setting</u> Account		<u>- Pk</u> _		/	

Channel Mode (PTZ model)

- Default is none.
- PelcoP / PelcoD / Merit-Lilin / Transparent / Visca /DynaColor

Channel Model (PTZ Model)	none 💌
Channel ID(Rx Address)	none Transparent
Baud Rate	PelcoP PelcoD
Data Bits	Merit_Lilin Visca

can be chosen.

- Channel ID
 - Give address value default is zero.
- Baud rate / Data bits / Parity / Stop bits
 - Depending on the protocol used, the values of baud and related settings are to be assigned accordingly.

<u>PORT</u>

The values of WEB and AV port can be changed as necessary.

Veb		
Web Port	80	
Configuration Serve	er	
Server Port	1150	

Web

➢ Web Port default is 80

Configuration Port

> Default server port is 1150 for EtroSDK[™] integrated NVR use.

(Suggest contact your NVR vendor to check this feature)

DDNS

CETROUISION www.etrovision.com		EV3000 Video Server	ත්
Status	DDNS		
Basic			
Network	IPv4 DDNS	۱.	
Wireless Video	Enable		
Event Rule	Which Service	🔘 ddns.nu 💿 dyndns.org	
Scheduled Capture			
Date / Time	dyndns.org		
OSD	Hostname	ddnsuser	
Expert	1		
PTZ Control	DDNS ID	ddnsuser	
Port	DDNS Password		
DDNS			
SMTP/FTP			
Trigger Setup	` <u>`</u>		

DDNS is the function that maps an IP address to a host name. If EV3151 / EV3151A are set to dynamic IP address, the host name by DDNS (Dynamic Domain Name Service) must be used instead of the IP address for credibility of network connection.

IPv4 DDNS

- > Check "Enable" and select a service out of available two.
- Both services are required to register some items on each DDNS service site.
- For use of "ddns.nu" register at www.ddns.nu and for dyndns find the information at dyndns.org

SMTP/FTP

www.etrovision.com			EV3000 Video Server	
Status	SMTP/FTP			
Basic			、	
Network	Remote SMTP Setup			1
Wireless		1		1
Video	SMTP Server	smtp.mail.com		i
Event Rule	SMTP Port	25		í
Scheduled Capture	A . Marchine Marchine			
Date / Time	Authentication			1
OSD	Auth User	smtp		I
Expert	Auth Recoword			1
PTZ Control	Autoreassword			J
Port	Sender's Email	user@smtp.mail.com		1
DDNS	Desinianto Emeil	user@emte mail.com		
SMTP/FTP	Recipient's Email	user@smtp.mail.com		
Trigger Setup	Enable Attachment			1
Pre/Post Setting	L Contractor and the second			5
Account	Remote FTP Setup			4
Security	FTP Server	192.168.1.1		ľ
Maintenance				1
Factory Default	FTP Port	21		1
Reboot	Auth User	ftpuser		i
Logout	Login Password			1

An e-mail notification & FTP upload service offered by EV3151 / EV3151A notifies events or uploads snapshots to a remote FTP server.

E-MAIL – SMTP SETTINGS

Fill in the details of SMTP server such as port number, user name,

password, server name information. If you would wish to send attached

snapshots, please check the appropriate check box.

Sometimes Authentication is not always required by SMTP servers.

Wherein only the SMTP server name and e-mail address details are enough to be input.

emote SMTP Setup		
SMTP Server	smtp.mail.com	
SMTP Port	25	
Authentication		
Auth User	smtp	
Auth Password	•••••	
Sender's Email	user@smtp.mail.com	
Recepient's Email	user@smtp.mail.com	
Enable Attachement		

FTP SETTINGS

Fill in the details of remote FTP server, port number and user name,

password.

FTP Server	192.168.1.1	
FTP Port	21	
Auth User	ftpuser	

TRIGGER SETUP

CETROUISION www.etrovision.com			EV3000 Vi	deo Server 🛛
Status	Trigger Setu	D		
Basic				
Network Wireless	Digital Input	Periodic Timer	Motion Detection	Video Loss
Video				
Event Rule	Digital Input			
Scheduled Capture	Sensor Type	N.O (Not)	rmal Open) 🔿 N.C (Norm	nal Close)
Date / Time	+ · · ·	S (
OSD				
Expert			OK	
PTZ Control				
Port				
DDNS				
SMTP/FTP				
Trigger Setup				

Three different types of EVENTS can be configured.

Digital INPUT

Can be Normal OPEN (N.O) or Normal Close (N.C)

Choose based on the type of input and press **OK** to save the settings.

PERIODIC TIMER

Timer interval can be set in terms of seconds. This will trigger an event

when the time out is achieved.

Digital Input	Periodic Time	er <u>Motio</u>	n Detection	Video Loss
Periodic Timer				
Time Interval(sec	s) 60			

MOTION DETECTION

- Enable type
 - Can enable motion detection by "always" or "schedule" mode
 - When choosing schedule mode, define schedule day and start/end time

Digital Input	Periodic Timer	Motion Detection	Video Loss
Input Setting			
Enable			
Enable Type	Always	~	
Schedule Days	Monda Tuesd Wedn Thurso Friday Saturo Sunda	ay ay esday day day	
Start Time	8 🛩 : (0 😽	
Stop Time	18 - : (0 🐱	

- Detection Area
 - Enable/Disable Motion Detection by click check box; administrator can self-configure up to 3 detection areas. Click area enable check box and draw icon, then draw desired area within top preview window; draw area will changes to specific color.

01-01-2000	04:44:18 293000	1

Enable Moti	ion Detection			
Detect Area 1	Enable	Sensitivity (-10 ~ 10)	Draw	Clean Clean
Detect Area 2	V	- 0 +	0	Clean
Detect Area 3		- 0 +	۲	Clean

Sensitivity value

Defines sensitivity of the motion detection. The range of the value is -10 to 10.

**Lower sensitivity value, higher sensitivity level

Video Loss

Can config how much time system should trigger an event for video loss

Digital Input	Periodic Timer	Motion Detection	Video Loss
Video Loss			
Trigger when los	is more than 10	secs	

PRE/POST SETTING

These parameters decide Pre/Post buffer stream format type and duration. Administrator can choose format as "AVI Video" or "JPEG Picture" with Pre/Post time duration

CETROUISION www.etrovision.com		EV3000 Video Server	5
Status	Pre/Post Setting		
Basic			
Network	Pre/Post Setting		
Wireless			
Video	Format	AVI Video	
Event Rule	Pre-record Time	5 💉 secs (5~10)	
Scheduled Capture Date / Time	Post-record Time	5 y secs (5~10)	
OSD	Output Type	Local SD Card Show Settings	
Expert			
PTZ Control Port		OK	

SD CARD

Only EV3130A/AW support SD card interface, system will show current SD card capacity information if SD card is plugged in socket well.

CETROUISION www.etrovision.com		EV3	000 Video Server 📧
Status	SD Card		
Basic Network	Records		
Video	Record Type	Num of files	Size
Event Rule Scheduled Capture	video 0		i =
Date / Time OSD	Format SD Card	Total: 14514 KB	, Used: 0 KB, Free: 14514 KB
Expert			
PTZ Control Port DDNS			
	Recorded files	Plugged-in	SD card
	folder information	capacity inf	formation

Format SD Card

Format SD Card

- Click this icon, system will automatically format SD card and create "picture" & "video" folders.
- View recorded picture
 - If SD stored recorded picture files, enter picture link and choose which picture file you desire to view. You will view picture via image viewer SW (ie. Windows Image Viewer)
- Playback recorded video
 - If SD stored recorded video files, enter video link and choose which picture file you desire to playback; Windows will guide you to open/download video file (.AVI format) so that you can playback file via video decoder SW (ie. Windows Media Player)

Note: Followi	ng SD card are fully evaluated in Etrovicion engineering lab for
<u>compatib</u>	<u>illity test</u>
SD 1.1 • •	Sandisk 512MB Transcend 1GB ADATA 2GB Sandisk 2GB
SD 2.0 • •	ADATA SDHC 4GB Transcend SDHC 4GB Transcend SDHC 8GB

<u>ACCOUNT</u>

Г

Administrator can create user accounts. Login as an administrator and create user accounts by pressing "**Add**". Each account has PTZ, Video settings and Digital Out privileges. They can be turned on or off anytime by the administrator.

There are limits on user name and password length and will be notified by dialog boxes if the user name/password exceeds or under-runs that limit.

ETROUISION www.etrovision.com			EV3000	Video Server 🛛
Status	Account			
Basic				、
Network Wireless	User ID	PTZ V/S D/	/0	
Video	root		Password	
Event Rule				
Scheduled Capture	User ID	Password	Confirm	PTZ V/S D/O
Date / Time OSD				
Expert	* Password length m	ust be 4~12 characters		
PTZ Control		F	Add	
Port	Guest Permissio	n		
DDNS				
SMTP/FTP	Enable			
Trigger Setup	N.	C	OK	
Pre/Post Setting	N			/

For each account, guest permissions can be turned ON/OFF. Any time, an account's settings can be modified by pressing the related button.

			Prost Com		
User ID	PTZ	V/S	D/0		
root				Password	
Allen				Modify Remo	ve Password
User ID		Passwo	ord	Confirm	PTZ V/S D/O
 A second s	isthe 4~10	charact	ers		
Password length mu Guest Permission	101 100 4 12		Add]	

Administrator account can also be modified by the same modify button.

Changing password needs confirmation.

Account Limitations

Administrator can add up to a maximum of 5 users and assign properties for each of them.

Guest Permissions

➤ Guest account can be turned ON/OFF anytime.

SECURITY

The basic settings are **LOW** by default.

CETROUISION www.etrovision.com		EV3000 Video Server
Status	Converting	
Basic	Security	
Network	Security Level	·····`,
Video	O HIGH	Only connections from the local area
Event Rule Scheduled Capture		Video and Audio connections from any place; Setting connections from the local area
Date / Time	• LOW	All connections from any place
OSD	Power LED	
Expert	i onci LED	
PTZ Control	💿 Turn On	Power Led is always turned on when power is on.
Port DDNS SMTP/FTP	O Turn Off	Power Led would be turned off for security consideration.
Trigger Setup Pre/Post Setting SD Card	· · \ · \	OK

- Security Level
 - HIGH
 - ONLY LAN connections are allowed.
 - MEDIUM
 - Video and audio connections from any location and settings from LAN are permitted.
 - LOW
 - All connections from any location are permitted.
- Power LED
 - Turn On
 - Default value, power LED will always be on during operation.
 - Turn Off
 - Config power LED as off during operation.

MAINTENANCE

C ETROUISION www.etrovision.com	EV3000 Video Server 🛛 🖾
Status	Maintenance
Basic	
Network	Select Language
Wireless	
Video	Language File English 🗸 Update
Event Rule	
Scheduled Capture	Firmware Update
Date / Time OSD	Firmware File 瀏覽 Upload
Expert	System Configuration (Backup/Postoro)
PTZ Control	
Port	Backup Configuration Export
DDNS SMTP/FTP	Restore from file 瀏覽 Import
Trigger Setup	· · · · · · · · · · · · · · · · · · ·

Language

• Default settings are in English. Another

choices are :

- o Traditional Chinese
- o Deutsch
- o Simplified Chinese

Firmware update

• Firmware update binary file can be obtained from Etrovision

Technology. Choose that and click upload. When uploading is done,

English

English

繁體中文 Deutsch

简体中文

reboot is required and will be automatically triggered.

<u>CAUTION</u>

DO NOT power off during upgrade process, follow system dialog to finish upgrade

procedure

System Configuration (Backup/Restore)

• You can backup current configuration profile as a file and restore

any stored configuration profile.

×

9. FACTORY DEFAULT

After a confirmation dialog box, clicking **OK** button, will load default settings and do a reboot. You will see the reboot countdown timer running. Once done, you will see the login page. Please login with root/pass.

Windows	s Internet Explorer [<
?	Are you sure?	
	OK Cancel	

10. **REBOOT**

If you click **OK** on the dialog box, you will see the reboot countdown timer running. Once done, you will see the login page. Please login with root/pass or other appropriate login information.



11. **LOGOUT**

To return to the login screen, simply click **logout**. You should see yourself in the login page within seconds.

12. **ETROLINK[™] Config Port -** FIRST TIME EXPERIENCE

If video server has to be quickly configured or has to be set to factory default settings, Etrolink[™] config port is used to achieve that. Etrolink[™] config port is a special USB port.



Insert mini USB cable onto Etrolink config port and connect other end to PC. When video server is powered on, Etrolink will not be operational. Once you are done working with Etrolink[™] config port, remember to unplug USB cable from Etrolink[™] config port.

<u>NOTE</u>

REMOVE USB CABLE WHEN YOU ARE FINISHED WITH QUICK CONFIGURATION.

SUPPORTED OS

PC running the following operating systems can support auto run of **Quick**

Config application.

- 1. Windows XP (all editions) auto run.
- 2. Windows 2000 (all editions) needs to be manually run.
- 3. Windows 98 (SE) needs to be manually run

(Generic USB mass storage class driver (Microsoft) will be requested – prepare one in prior if you plan to use Etrolink[™] based device recovery on Windows 98)

NO SOFTWARE INSTALLATION REQUIRED

There is no installation or setup of any software for Windows XP/2000 platforms.

STEPS FOR USING ETROLINK[™] config port (*Windows XP PC*)

- 1. Disconnect **power cable** connected to EV3151 / EV3151A.
- 2. Use mini-USB cable and connect appropriate end to Etrolink[™] config

port and connect other end to PC USB port.



 After 5 ~ 10 seconds depending on how fast your PC is, you can notice "<u>Disk drive</u>" being detected.



4. A POP-UP dialog shows "Config Wizard" is ready to run. Press OK.



5. Double click Config Wizard. You will see a screen as follows.

Wentefrortilier.com	
	EV3000 Video Server
	ED Passwood
Simplify Your Innovation.	Login

You will be asked for password. Earlier, if you have never changed the password for user **root**, please type **pass** as the password. Then click **login** button. If you input wrong password, you will get this dialog box.



ETROUISION		EV3000 Video Serv
tup Wizard		
Network	DDNS	
Step 2 : Select Netv	vork Connection Type	
C Static IP		
C DHCP		
C PPPoE		
		Back Next

If you would wish to change network settings of either

STATIC / DHCP / PPPoE

If you would want to setup **DDNS**, please click on the same for

detailed configuration.

NS Setup		
Network	DDNS	
IPv4 DDNS		
Enable	E.	
Which Service	C ddns.nu 🤄 dyndns.org	
dyndns.org		
Hostname	dedna vas ex	
DDNS ID	(delma var en	
DDNS Password	*******	

Return to Network page to setup network further.

Please choose and click **next** for detailed configuration page.

For instance, shown below is a screen which has **STATIC**

network configuration page. Click next to proceed.

Quick Config		
ETROUISION www.etrovision.com		EV3000 Video Server
etup Wizard		
Network	DDNS	
Step 3 : DHCP Notic	е	
	Please make sur Service, Otherwi	e that you are installing this machine at a network with DHCP se, it cannot get a proper IP address.
		Back Next

Clicking next will show that settings are saved. You can click

finish if you are done or go back or change other settings.

Similarly you can change other settings at ease.

www.ebovision.com		EV3000 Video Se
etup Wizard		
Network	DDNS	
Step 4 : Done		
	Network settings are succ	essfully done1
	Badi Sotup	DDES Fuith Quick Config
		Configuration is increastfully saved.

<u>Note:</u>

- <u>Connect EV3151 / EV3151A to your network by using a standard Cat-5 cable.</u>
- <u>Connect the video output of your camera with video in of video server, using standard</u>

75Ω coaxial cable with BNC type connector.

■ <u>Connect speaker and active microphone to Audio Out/In.</u>

WHAT IF QUICKCONFIG DOES NOT AUTORUN?

In some PC, after connecting USB cable with Etrolink[™] port, there might not be auto run of Quick Config application.

In that case, just open disk drive which looks like shown on screenshot



below. It should have volume name starting with EVxxxx.

Open up a folder named "**autorun**". That folder contains a HTML executable file named "**autorun**". Double click that to run. You will find that it is the same "**Quick Config**" application is running. See the screenshots below to find that file on the disk drive.

Call Us Now!!!





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