

# VBOX-3200 series – Web-enabled MPEG-4 8/16-port Digital Video Server



## A. Key features

### I. Local site:

#### 1.1 Real-time display

Allow users to see the real-time for all channels total 480fps on 16-ch DVR - VBOX-3264B.

#### 1.2 Alarm to send a mail with attached picture or send a message to the phone

The System will Invoke Notice Hotline send a page when motion is detected.

#### 1.3 Performance setting

**Preview Master** : The display speed increases because the system resource will focus on the monitoring after clicking Preview Master icon.

**Both Master** : Both display and recording speed is at the average because the system resource is allocated equally.

**Record Master** : The recording speed increases because the system resource will focus on the recording after clicking on Record Master icon.

#### 1.4 SRT function

Systems will automatically allocate as many frames as possible to the camera where motions occur.

#### 1.5 Password

**Supervisor:** The highest authority level. Users of this level can

access to all VBOX-3200 System's functions.

Supervisor is the only level that can assign new user accounts.

**Power User:** The Power User can access to most of the VBOX-3200 System's major functions but are restricted to some of the more important functions such as the password function.

**User:** Similar to Power User except that its function accessibility is more restricted.

**Guest:** The least authority level. Only able to view the video of the VBOX-3200 System, all functions and configurations are prohibited to Guest level users.

### 1.6 Wavelet and MPEG-4 Compression Algorithm:

Both of Wavelet or Mpeg4 video compression algorithms are supported.

### 1.7 Watermark

This function can prevent artificial alteration or distortion of record events.

### 1.8 Recording Quality



Allows users to adjust video quality in 5 levels. The higher the value, the better the quality. However, better video quality needs more storage size.

### 1.9 Full Screen Display (VBOX-3264B only)

Allow you to fill the monitor screen with only videos without the user interface or function buttons. The full screen display gives you more viewing area and better video quality.

### 1.12 Skip null cameras during camera scan

During camera scan, the system will now skip channel that has no video signals.

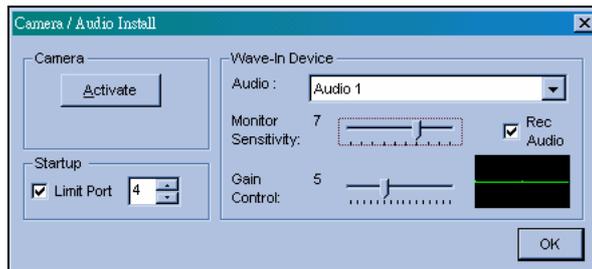
### 1.13 More PTZ camera Support

- 1.Sony EVI-D100
- 2.Panasonic WV-CS850
- 3.Kalatel Dome
- 4.Mintron 22X zoom
5. Canon VC-C3
- 6.Canon VC-C4
- 7.Pelco / P - version protocol
- 8.Ademco (Jupiter)

- 9.Lilin (PIH)
- 10.DiGiDome (DOH-240)
- 11.DynaColor (D7720)
- 12.PTZ for I/O

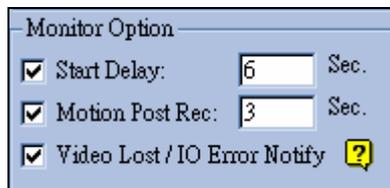
#### 1.14 Audio recording trigger base on sound sensitivity level.

The system will automatically start audio recording if the sound or voice exceeds certain sensitivity level.



#### 1.15 Post alarm recording

Extends the recording time for each alarm-triggered recording. For example, the recording time for the post alarm is set to 5 seconds and camera 1 is trigger by one of the alarm and starts recording. If camera 1 receives another alarm trigger within the 5 second recording time, the recording is extended for an additional 5 seconds from the point of the last alarm event.



#### 1.15 Video lost alerts by telephone and email

If one of the capture card's video channels detects a signal lost, then the system will automatically send alerts to you by either email or telephone to notify you the situation. Further minimize the video down time.

#### 1.17 I/O error alerts by telephone and email

If error occurs in one of the system's I/O device, then the system will automatically send alerts by email or telephone to notify you the situation.

#### 1.18 Display video lost message instead of black screen.

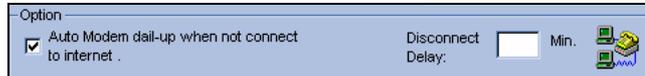
If one of the cameras lost video signals, the system will display a "video lost" warning message to notify the user.

#### 1.19 New video resolution support

Two new video resolutions are now added to the VBOX-System, which are 320x240,640x480,640x240 and 640x480 S/W. The S/W mode has a new de-interlace circuitry that further improves the video quality.

### 1.20 Modems disconnect delay after email or telephone alerts.

Users are now able to setup a delay time for modem disconnection after email or telephone alerts. The disconnect delay time are user definable and provides users more extra time to login to the system to view the video after receiving the alerts. This function is available to systems with modem dial-up connection only.



### 1.21 Editable PTZ preset name

You can now name each PTZ camera's preset position. Previously, PTZ preset are limited to numbers only, such as preset 1, preset 2, and etc... The new version allows you to name each preset with name that are related to position that the camera are aiming, such as front door, or lobby.

### 1.22 Auto Shut down / Restart Windows Option

The system now provides user with two exit options...

**Auto Shut down Windows:** After you shut down the VBOX-System it will automatically exit Windows OS.

**Auto Restart Windows:** After you shut down the VBOX-System it will automatically restart Windows OS.

### 1.23 Caption setup for Email alerts' snapshot.

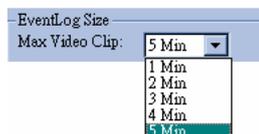
You are now able to select the text and background color for the caption of the email snapshot.

### 1.24 Synchronize video and audio playback

Allow users to search for video and audio that were recorded within the same time period and covert them into \*.avi file.

### 1.25 Event Log

Each event log size is now adjustable from 1 to 5 minutes. If you select 5 minutes then a 30 minutes video clip will break into six 5 minutes files.



### 1.26 Auto Login

Allow you to use a predefined user account to automatically login to the system after start-up. Meaning that you do not have to type your username and password every time.



### 1.27 Define TCP/IP port number

### 1.28 Back up history data

Our backup system is able to record audio/video files which can be saved to CD-R, DVD, MO or ZIP media and this function is also supported to the LAN. It also can delete audio/video files from the database.

### 1.30 Watermark Proof

This program can help you checking whether your picture is true from VBOX-Series. (Before your record video files have to used digital watermark protection)

### 1.31 Recycle

When [Recycle] is selected and the files in all the paths are full, the system will override the old files in the path based on FIFO (First-In-First-Out) sequence. If you did not select [Recycle], system will stop recording when the available hard disk space reaches 800 MB

### 1.32 Recording mode

#### **Motion Detect:**

Sensitivity sets up a threshold for motion detection. You may choose a sensitivity level between 1 and 10. The higher the value, the more sensitive the system is to the motion. Movement will be recorded when the motion exceeds the value. By applying mask to the camera window, system will ignore movements under "Mask" area. For example, you wish to observe your office but not the moving traffic outside the street. You may mask the office window containing traffic movements so that system will ignore the traffic, and record only the areas of the office that are not masked.

#### **Round-the-clock:**

The recording time is non-stopped whether there is a motion going on.

### 1.33 Schedule

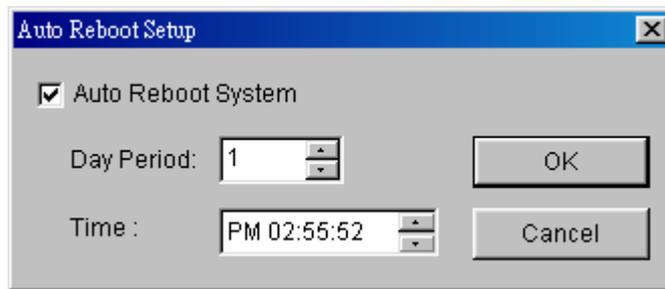
Press the Schedule icon to start, stop or modify the schedule. If a schedule has been set, surveillance actions can be carried out according to the schedule after start. Click the icon again to stop the schedule. You may also press [F8] to start/stop schedule directly.

### 1.34 Snapshot

The picture can be taken at anytime.

### 1.35 Auto Reboot

The system will automatically reboot **Windows** and activate the VBOX-Series system everyday according to the system setup.



### 1.36 Watchdog

When the system hangs up, it will automatically reboot the PC.

### 1.37 Viewlog

Allow users to use playback to view multi-channel or with audio

### 1.38 I/O control

When the invoke input sensor, the alarm signal can be received and you also can output signal to local alarm from remote site PC. Support ADAM remote I/O.

### 1.39 Scan for single or by a quarter mode

The single mode shows every single video one by one. A quarter mode shows 4 channels of videos each time.

## II. Remote Site:

### 2.1 RemotePlayBack System (Internet / LAN):

This system applies for viewing channels of different sites from one remote site. Even all the data on the server sites can be played and downloaded and saved to the client sites.

#### 2.11 New user interface

The new version is provided with new button design that makes the application screen looks more appealing.

#### 2.12 New address book function

The address book allows you to create RPB server profile in your RPB workstation. With this function you can now connect to each RPB server by selecting it from the address book without the complicated login steps.

#### 2.13 Export AVI file

You can convert a complete video event into AVI movie so others can play it on other computers equipped with AVI player, e.g. Windows Media Player, Real Player.

#### 2.14 Audio Download

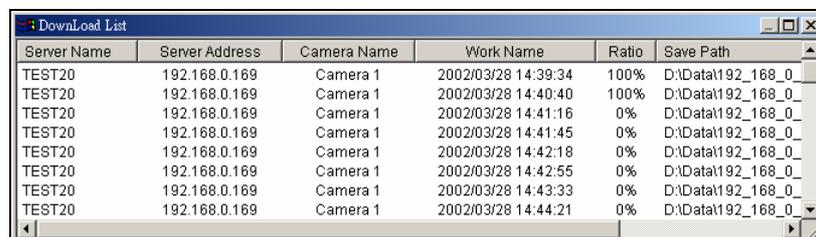
The RPB System now supports audio download function.

#### 2.15 Multiple network card support

If you have two or more network card installed in your system you will have the option to select which network card to be used for the RPB server

#### 2.16 Play video and audio files directly from the download list.

User can now play downloaded files directly by double clicking the file in the download list.



Server Name	Server Address	Camera Name	Work Name	Ratio	Save Path
TEST20	192.168.0.169	Camera 1	2002/03/28 14:39:34	100%	D:\Data\192_168_0
TEST20	192.168.0.169	Camera 1	2002/03/28 14:40:40	100%	D:\Data\192_168_0
TEST20	192.168.0.169	Camera 1	2002/03/28 14:41:16	0%	D:\Data\192_168_0
TEST20	192.168.0.169	Camera 1	2002/03/28 14:41:45	0%	D:\Data\192_168_0
TEST20	192.168.0.169	Camera 1	2002/03/28 14:42:18	0%	D:\Data\192_168_0
TEST20	192.168.0.169	Camera 1	2002/03/28 14:42:55	0%	D:\Data\192_168_0
TEST20	192.168.0.169	Camera 1	2002/03/28 14:43:33	0%	D:\Data\192_168_0
TEST20	192.168.0.169	Camera 1	2002/03/28 14:44:21	0%	D:\Data\192_168_0

## 2.2 RemoteView system (Internet / LAN):

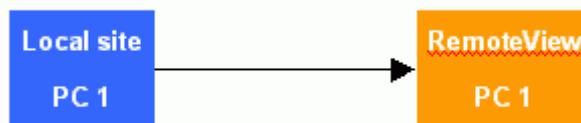
Each RemoteView system can connect with different VBOX systems. You also can output signal to local alarm from remote site PC.

**Record:** You may via Fullscreen mode to recording 16 channels at the same time.

**PTZ camera:** Can control PTZ camera via Internet.

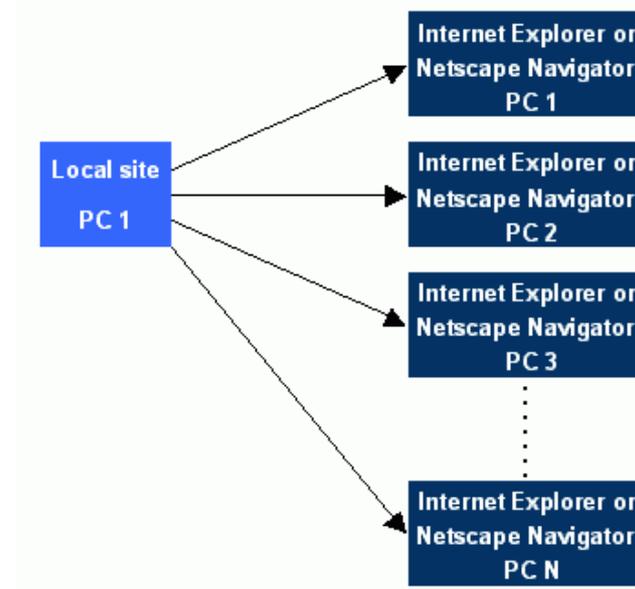
**I/O status:** When the invoke input sensor, the alarm signal can be received and you also can output signal to local alarm from remote site PC.

Choose and adjust the parameter of ADAM I/O according to the parameter.



## 2.3 IP Multicast system (LAN):

Due to use Multicast transport service. A better way to transmit data from one source to many destinations is to provide a multicast transport service. With a multicast transport service, a single node can send data to many destinations by making just a single call on the transport service. For those applications which involve a single node sending to many recipients, a multicast facility is clearly a more natural programming paradigm than unicast. When a multicast service is implemented over such a network, there is a huge improvement in performance. If the hardware supports multicast, A packet which is destined for N recipients can be sent as just a single packet.



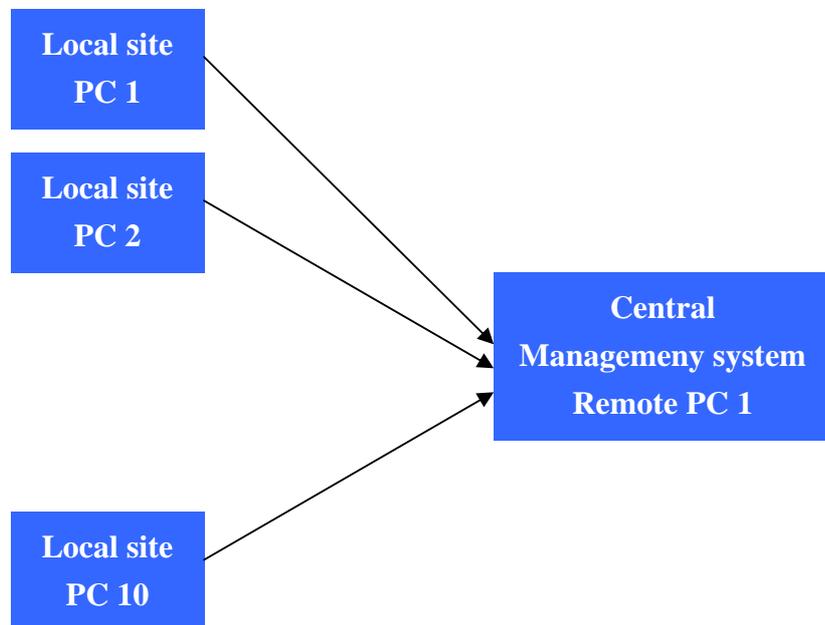
## 2.4 Central management system (Internet / LAN):

Advantech offers Central management solution for you to install it on remote server (it acts as Central management system). It can automatically receive images from the local site.

One Central management system can monitoring 10 local systems (160 channel) at image transmit.

**Record:** You may via Fullscreen mode to recording 160 channels at the same time or auto record.

**Alarm:** When the recorded video image has been send from a new location to the Center management system, the alarm will be set off according to your setting.

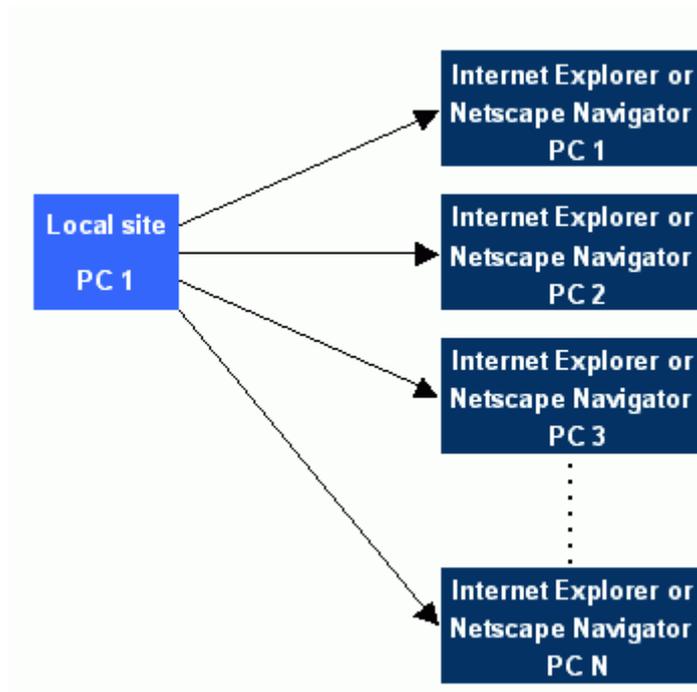


## 2.5 Webcam (Internet / LAN):

The Webcam can use JPEG or MPEG-4 view. Users only need to use the I.E. browser to connect to the remote site. Regarding the MPEG-4 CODEC more apply to internet transmit, it can offer more transmit speed and image quality. Although the webcam maximum can see 4 channel at the same time. But we have offer about webcam source code, you may to make a new WebPages by yourself (1 page can see 16 channel or above).

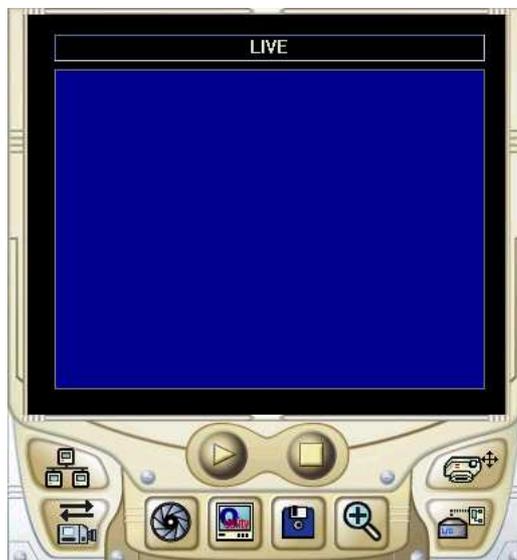
**PTZ camera:** Can control PTZ camera via Internet.

**I/O status:** When the invoke input sensor, the alarm signal can be received through Browser.



### 2.51 New user interface

The interfaces for webcam are completely redesigned, which makes it more user friendly.



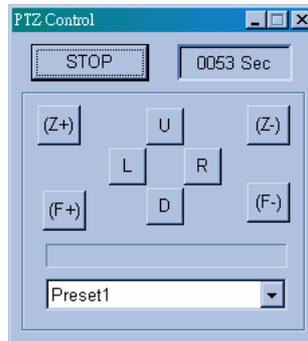
### 2.52 Popup PTZ & I/O control panel

The PTZ and I/O control panels are now separated from the user interface. By clicking on the PTZ or I/O buttons will bring out these control panels. User can use the mouse to move the control panel around.

### 2.53 Time limitation for PTZ and I/O control

The time for each login user to control PTZ and I/O devices are now limited.

For example, the 1<sup>st</sup> login user is controlling a PTZ camera, if a 2<sup>nd</sup> login user is trying to control the same camera he will have to wait till the 1<sup>st</sup> user's allowing time expire before he can control it.



### 2.54 Time stamp for snapshot

User can now add time stamp to snapshot images.

### 2.55 Audio Download

WebCam's RPB now supports audio download function.

### 2.56 Control I/O device over the Internet

Control I/O device input/output through Internet browser.

### 2.57 Change Server

Allow users to connect to different VBOX-System under one web page.

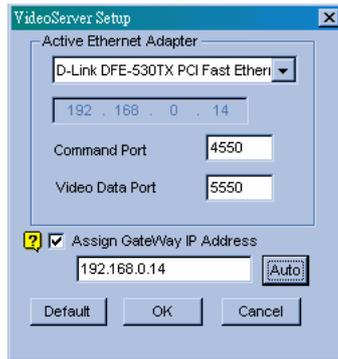


### 2.58 Multiple network card support

If you have two or more network card installed in your system you will have the option to select which network card to be used for the WebCam server

### 2.59 Auto find gateway IP address

Automatically detect gateway computer's IP address by clicking a button.



## 2.60 Add Mac OS support

Mac users are now able to use WebCam's JPEG Image Viewer and login to VBOX-System over the Internet.

## 2.61 Customizable user interface

An option that allows user or distributor to customize WebCam's user interface.

## 2.62 Create Upload.ini file in "Web Temp" folder

"Upload.ini" file contains records of every IP address upload.