



Real-time Audio and Video Streaming

**QuickStart Guide**

P/N 004-620080

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- Email: [sales@winnov.com](mailto:sales@winnov.com)
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## TECHNICAL SPECIFICATIONS

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Video Format	NTSC or PAL
Video Connectivity	BNC
Audio Connectivity	XLR, ¼" Phono
Video/Audio Capture	Up to 4 composite or 2 S-Video input signals and 2 stereo balanced audio input signals
Streaming Formats	MS Windows Media 9, MS MPEG-4, RealVideo 10™
Sample Streaming Configurations	Up to 2 WM9 640x480, 30fps
Operating System	Microsoft Windows Server 2003
Local Mass Storage	160GB
Local RAM	512MB
Ports	4 USB ports
Network Connection	10/100 based (RJ-45) Ethernet
Chassis	Small Form Factor – 7.8" (H) x 7.3" (W) x 12.2" (D)
Power Supply	Dual input voltage (110V/220V)
Included Peripherals	See Scope of Delivery
ROHS Complaint	Yes
Weight	12 lbs
Operating Temperature	50° to 95°
Operating Humidity	20%-80% non-condensing

## SCOPE OF DELIVERY

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- XstreamEngine – EZ
- Cable, DVI/BNC4, XLR2M, XLR4F
- Cable, BNC / S-Video
- Packing List, XE EZ
- QuickStart Guide, XE EZ (This document)
- 4 Adaptor BNC F-BNC F
- 4 Adaptor RCA F – BNC

**System power:**

When the computer is turned off by using the power switch, there still might be power supplied to the motherboard. To ensure that your computer is completely shut down, unplug the computer's power cord from its power source.

**The XE appliance is a completely preinstalled system and there is no need for opening the chassis for adding and removing components.**



**Electrostatic discharge (ESD) and ESD protection:**

Static electricity can damage disk drives, boards, and other parts. Before connecting or disconnecting any device to the XE appliance, we recommend that you discharge static by touching a metal part of a grounded PC.

- Do not place the XE appliance underneath heavy loads or in an unstable position.
- Do not expose the XE appliance to high levels of direct sunlight, high humidity and wet conditions.
- Do not use or expose the XE appliance around magnetic fields as magnetic interference may affect the performance of the device.
- Do not block the air vents to this device or impede the airflow in any way.

## PLANNING

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After verifying the included items, gather additional items needed for installation:

- Monitor
- Keyboard
- Mouse
- Network cable(s)
- AV Sources
- AV Cables and Adapters

## CONNECTIVITY

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After gathering all needed items, hook up the XstreamEngine (XE) EZ system using the following procedure:

1. Connect the 10-connector to DVI cable (Cable, DVI/BNC4, XLR2M, XLR4F) to the EZ chassis.
2. Connect the audio and video sources to the cable connectors.
3. Connect the keyboard, mouse, monitor, network cable(s), and power.
4. Visit online at <http://www.xstreamengine.com/resources.php> for further instructions.

Once EZ is physically connected, do the following to activate the system:

1. **Automatic Creating Backup Image** - Power on the system. The first time you start EZ, appliance, you will see a message that says “Acronis True Image<sup>1</sup> Loading...” This message indicates that a backup image is going to be created for your appliance. It will take a few minutes for this process to complete. Completion is marked by an automatic reboot.
2. **Microsoft Windows Mini-Setup** – After the reboot following the backup process, Windows mini-setup will run. The mini-setup will prompt you to:
  - a. Read and accept the EULA (End User License Agreement)
  - b. Enter a Windows product key (The Windows registration key is found on a label stuck to the side of the EZ.)
3. The Mini-Setup procedure will ask you to enter administration user account and the computer name. Keep your assigned username and password in a safe place. If you are not going to be the administrator, for this system, we suggest you to consult the administrator before completing the mini-setup. Once the mini-setup is complete, the appliance will automatically reboot.
4. Once Windows starts, your appliance is ready to be used, but we highly recommend that you do the following after logging into Windows:
  - a. Install all available Microsoft updates through Windows Updates.

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<sup>1</sup> Acronis True Image is a complete disk imaging, system disk backup and restore solution.

- b. Check for updates for the anti-virus software (F-Prot) and if necessary, do the updates.
  - c. Active Windows
  - d. Double click on the XE Updates icon on the desktop to see if there are any new updates. If new updates are available, follow the instructions and do the update. You need to be on line to check for updates.
5. Double click on the XE DRX™ desktop shortcut.
6. Logon to the DRX utility.
- Login: **Administrator**
- Password: **admin**
7. Once you are have logged into the DRX main menu, look for the blue question mark (?) located at the top right corner of the interface. Double click on it and study the content.
8. Add the first stream
9. Access the Control Stream Sources menu to check the source connections.
10. Activate the stream.
11. View the stream's parameters and setting or archive the stream.

## CONNECTING REMOTELY

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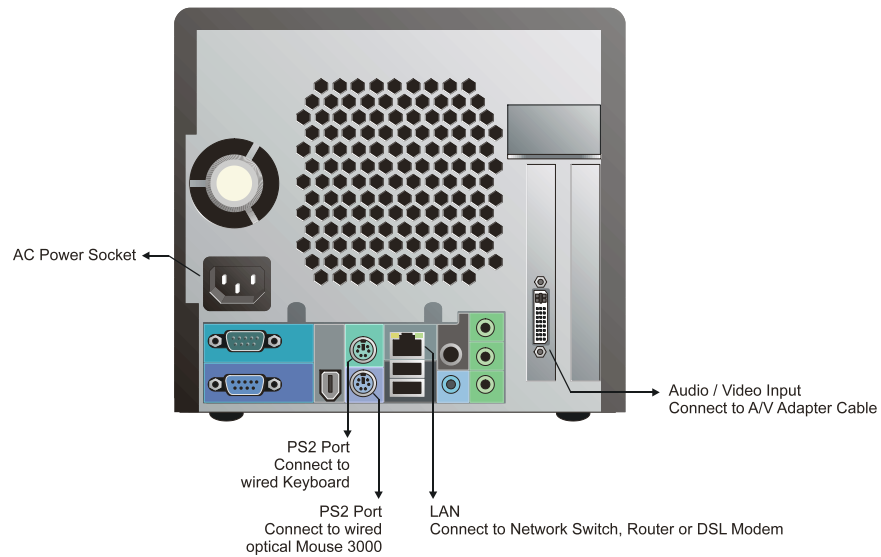
The XE EZ system is DHCP enabled by default. If EZ is connected to a network with a DHCP server, an IP address should be assigned to it automatically. To connect:

1. Double click on the XE desktop shortcut. This utility displays your system's IP address.
2. From a remote system on the same network, open a browser and navigate to the IP address of your XE system.

## EZ CHASSIS

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### Back View



**Audio and video inputs and outputs:**

<b>Audio Input 1 and 2</b>	
Type:	Stereo, balanced
Connector:	2 x XLR Receptacle
Max Input Level:	12.3dBu (3.2Vrms)
Volume Control:	-34.5db to +34.5dB
Label:	Audio In1 (black for left) Audio In1 (red for right)
Label:	Audio In2 (black for left) Audio In2 (red for right)
<b>Audio Output</b>	
Type:	Stereo, balanced
Connector:	2 x XLR Plug
Max Output Level:	2.2dBu (1Vrms)
Volume Control:	-46.5db to +0dB
Label:	Audio Out (one black for left & one red for right)
<b>Composite Video Input 1 to 4</b>	
Type:	composite Video
Connector:	BNC Receptacle
Max Input Level:	1V(p-p)
TV Standard:	PAL, NTSC
Max Resolution:	720x480 (NTSC) 30 Frames/s 768x576 (PAL) 25 Frames/s
Label Video Input 1:	Comp1/Y1
Label Video Input 2:	Comp2/C1
Label Video Input 3:	Comp3/C2
Label Video Input 4:	Comp4/Y2

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