

Cisco Digital Media Encoder 2000 Quick Start Guide

October 2007

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Safety Warnings

Before installing The Cisco Digital Media Encoder 2000™, read and comply with the following safety warnings to ensure that you do not damage the equipment or cause personal injury.

- WARNING:** Installation of the equipment must comply with local and national electrical codes.
- WARNING:** Read the installation instructions before connecting the system to the power source.
- WARNING:** Only trained and qualified personnel should be allowed to install, replace, or service this equipment.
- WARNING:** This product requires short-circuit (overcurrent) protection, to be provided as part of the building installation. Install only in accordance with national and local wiring regulations.
- WARNING:** The power supply must be placed indoors.
- WARNING:** The plug-socket combination must be accessible at all times, because it serves as the main disconnecting device.
- WARNING:** Do not work on the system or connect or disconnect cables during periods of lightning activity.
- WARNING:** To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports both use RJ-45 connectors. Use caution when connecting cables.

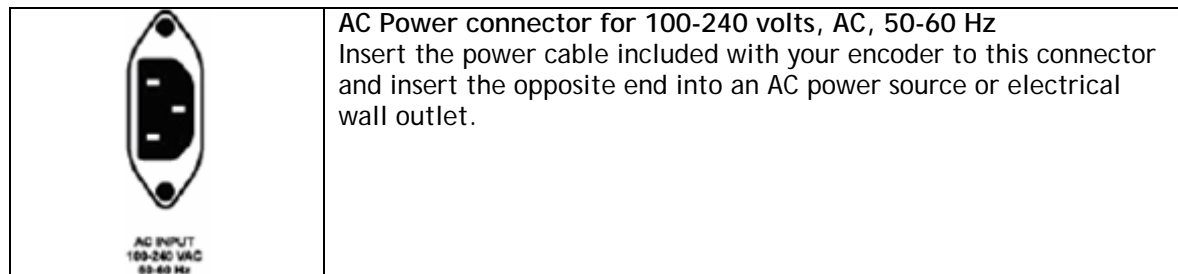
1. Connecting to an Electrical Power Source

Your network must meet the following four requirements to set up the Cisco Digital Media Encoder 2000™ for streaming or capturing video:

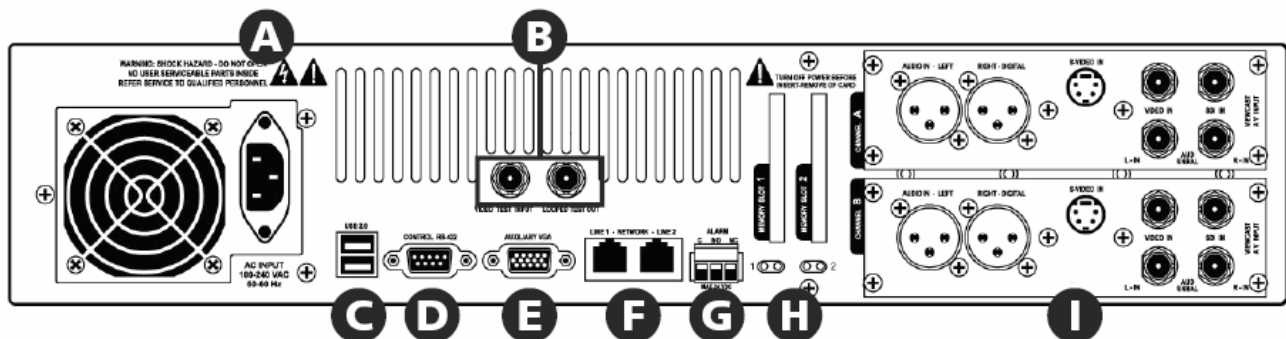
- AC power source (100~240v)
- Audio/Video source (camera, video player, or other A/V output device)
- IP network and/or Internet connection
- Streaming media server for streaming your content to many viewers

Most of the basic operations you will routinely use are performed from the front panel of the encoder system.

NOTE: There are advanced setup options of the encoder you must modify before running an encoder session. You will use the *Niagara SCX Web Interface* to access these options. Refer to *The Cisco Digital Media Encoder 2000 User Guide* for detailed instructions.



Rear Panel Features



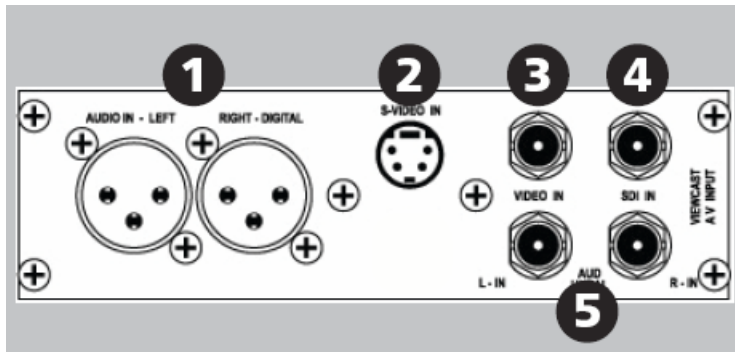
Port
A AC Power Input
B Video Test Ports
C USB 2.0 Connectors
D Control RS-422 Connector
E Auxiliary VGA Connector
F Network Ports (Line 1 & 2)
G Alarm Relay Connector
H Memory Slots 1 & 2
I Channel A & B AV Inputs

2. Connecting to Audio and Video Sources


Each AV Input channel provides the following input ports:

1. Left/Right XLR connectors for balanced audio sources/right XLR Connector for AES/EBU Digital Audio
2. Mini-DIN connector S-Video sources
3. BNC connector for composite video sources
4. BNC connector for SDI Video Sources with embedded SDI audio
5. BNC connectors for unbalanced audio sources

3. Left/Right BNC connectors for unbalanced audio sources



4. Connecting to an IP Network

	<p>RJ-45 Ethernet connector The encoder provides two 1GB Ethernet network connections. These connectors are also referred to as output connectors because the encoder sends video and audio over an IP network which these connections provide.</p>
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NOTE: If you are not familiar with network protocols, please contact your network administrator for assistance.

The encoder network settings default to dynamically obtain an IP address from a DHCP server on the network. If a DHCP server is not available or cannot be found on the network, the encoder assigns its own IP address.

For most network environments, it is not necessary to modify these default settings. However, if you wish to assign a static IP address to the encoder's Network Interface Cards (NICs), you can change the network setting using the encoder front panel menu. For detailed instructions, refer to the *Cisco Digital Media Encoder 2000 User Guide*.

5. Initially Starting the Cisco Digital Media Encoder 2000

The first time the encoder is powered, the LCD display are presented with a series of menus that will assist in setting up the system clock, date, and video input format (NTSC—North America/Japan—or PAL).

1. To start DME 2000, press the <POWER> button located on the front panel.



2. During the power up process, the DME 2000 LCD readout displays the following message:

```
ViewCast Corporation
Niagara 2.0.0.41
Serial: P5PC000000
Booting
```

3. After DME 2000 powers up the first time, it displays the following message:

```
Welcome to setup!
Set time, date, and
video format,
PRESS ENTER ...
```

4. Press the <ENTER> button to begin the initial setup.



5. DME 2000 will now ask you to set the date.

```
Enter Date
MM-DD-YYYY
06-15-2006
Enter to Accept
```

6. To set the time, use the <UP> and <DOWN> arrow keys to increment the numerical value of the month.



7. Once you set the numerical value for the month, press the <STREAM> button to move to the *day field*.



8. Again, use the <UP> and <DOWN> arrow keys to increment the numerical value of the day.



9. Press <STREAM> to enter the value and move to the *year field*.



10. Use the same process for setting the month and day so that you may set the year.

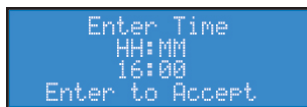
11. If you want to change a previous setting, you can continue pressing the <STREAM> button until the cursor cycles around to the month.



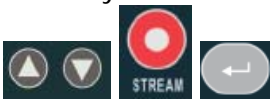
12. Once you are satisfied with your settings, you then press the <ENTER> button to accept the settings and move to the next screen to set the system clock.



13. The DME 2000 uses Military Time, which is a 24-hour clock format, for its system clock entries.



14. Use the <UP>, <DOWN>, <STREAM>, and <ENTER> buttons to set the hour and minute of the system clock.

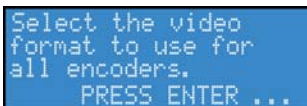


15. Once you are satisfied with your settings, press the <ENTER> button to accept the settings.



16. The last setting is the selection of the video input format that you will enter into the DME 2000.

You will see the following prompt message.



17. Press the <ENTER> button to continue.



18. Select your video source format from either NTSC or PAL.



19. Press the <ENTER> button to set the format, and the final screen will appear confirming that you have successfully set up your DME 2000.



```
First time setup is
completed.
PRESS ENTER ...
```

20. Press the <ENTER> button to exit the setup menu and begin using your DME 2000.

