QUICK START GUIDE

PELCO®

Endura® Workstation with WS5000 Advanced System Software

C1628M-F (10/07)

About This Guide

Thank you for purchasing Pelco's Endura® workstation with WS5000 advanced system software. This guide provides basic instructions on how to connect your Endura workstation, start the WS5000 advanced system software, monitor live video, and work with recorded video.

For detailed instructions on installing, programming, and using your Endura workstation, refer to the installation and operation manuals included with your unit.

Connecting the Equipment

Refer to Figure 1 as you make the front and back panel connections required to operate this unit:

1. Connect video output (DVI). To connect a VGA monitor to this output, use a DVI-to-VGA adapter plug supplied with the Endura workstation.
2. Connect audio input and output.
3. Connect Cat5e or better network cable to the 1 gigabit RJ-45 network port and to the Endura network.
4. Connect keyboard and mouse to USB ports (front or back panel).
5. Connect power cable to the power connector and a power source.
6. Turn on power.
7. Check indicators.

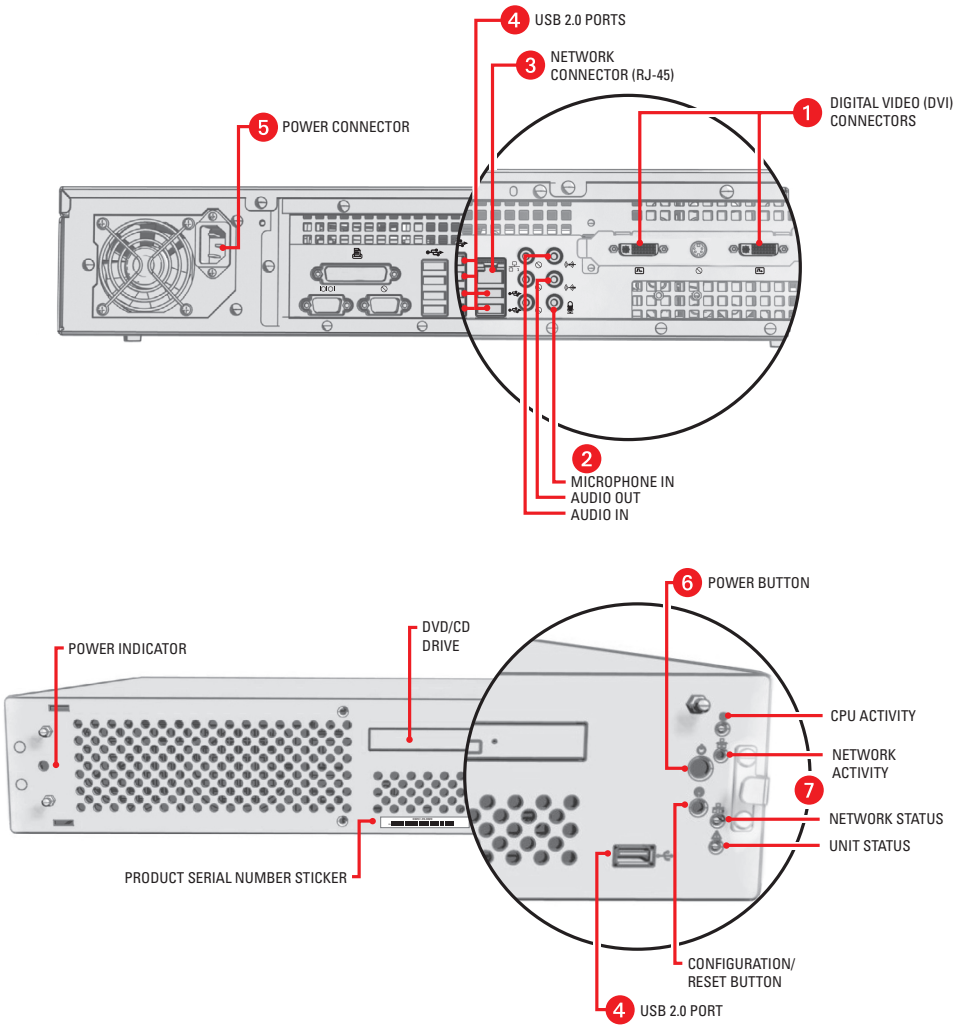


Figure 1. Connecting the Endura Workstation

Logging On and Off

Before starting, ensure that the Endura workstation is configured to work on an Endura network. For information on network requirements, consult the Endura Network Design Guide.

To start the application, double-click the Endura icon on the desktop. A login dialog box appears. If the system manager (SM5000) is online, enabling the authentication of users and devices, a small key icon appears in the lower right-hand corner.

Logging on loads your user profile, including language preferences. When you start the WS5000 application, the Login screen automatically appears. You cannot access the application if you do not have a valid user name and password.

When logging on to an Endura network that includes an SM5000, the default user name is **admin** and the default password is **admin**. To keep your system secure, be sure to change the default passwords. Record your new login information in a secure location.

To log on:

1. Type your Endura user name.
2. Type your password.
3. Click OK. If the OK button is not available, you must synchronize with the system manager. To do so, click the Synchronize button on the Login screen. A message displays after the system manager has been located, and the OK button will be available for you to log on to the system.

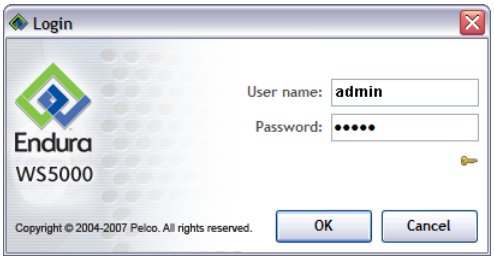


Figure 2. Login Dialog Box

NOTE: User names and passwords are case-sensitive.

After you log on to the system, the main screen appears, and the devices on your network start to load. Depending on the size of your network, the process may take a few minutes. Check the lower-left corner of the application screen to see the status of the device-loading process.

NOTE: Every Endura user may be assigned one or more roles; each role has permission to access a particular set of Endura devices and WS5000 features. If, when you log in, you do not see a device or system feature you expect to see, contact the system administrator to find out whether your permissions should be edited to expand your access.

To exit the program, select Exit or Logout from the File menu. The system logs you off, closes the application, and displays the desktop.

Main Screen

This section offers an overview of the main screen. Refer to the *Quick Reference* on page 5 section for basic instructions on how to use the system, including how to select a camera, control PTZ, respond to alarms, and play back recorded video. For more detailed explanations, refer to the operation manual for the WS5000 advanced system software.

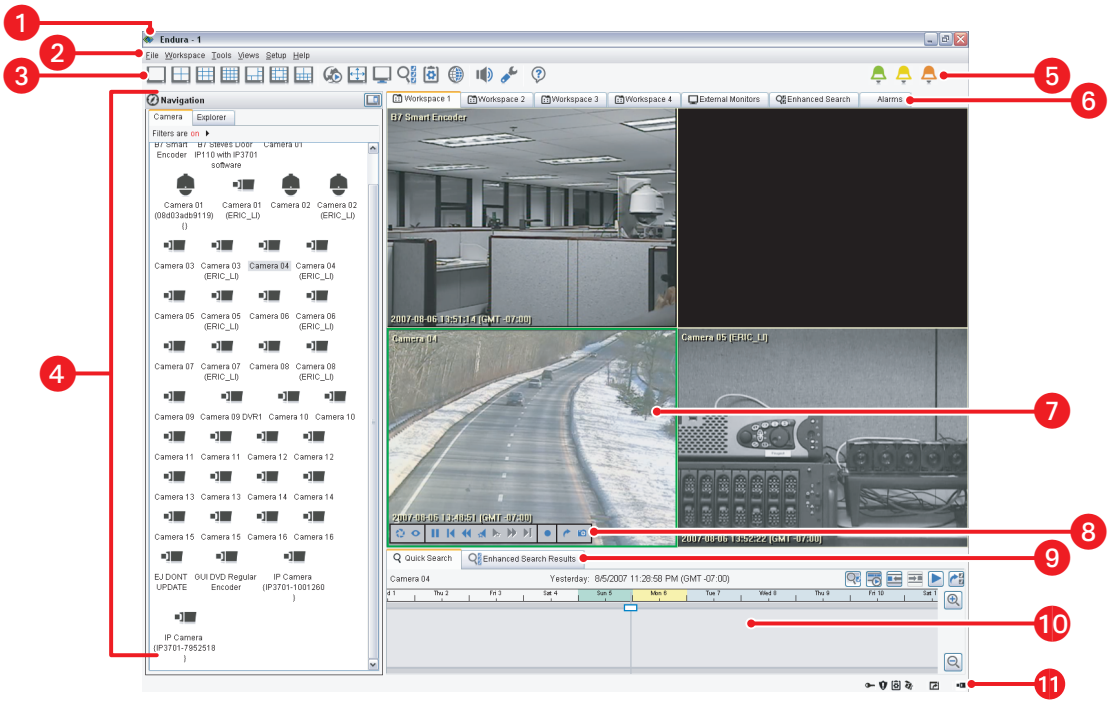


Figure 3. WS5000 Main Screen

1. **Title Bar:** The Endura name appears here, along with the name of the user currently logged on.

2. **Menu Bar:** Use drop-down menus on the menu bar to access application features:
   - File
   - Workspace
   - Tools
   - Views
   - Setup
   - Help

3. **Toolbar:** Click buttons on this bar to access the application screens and workspaces. If a toolbar button has a lighter background color and a gray border around it, that feature is currently active.

1 x 1 layout	2 x 2 layout	3 x 3 layout
4 x 4 layout	1 x 5 layout	1 + 12 layout
2 + 8 layout	Synchronous playback	Extended view
External monitors	Enhanced search	Display system log
Start Endura Mapping	Adjust audio volume	Setup
Help	Alarm indicators	

4. **Navigation:** This panel displays all the cameras on the network. To view video, click and drag a camera to a video pane. Apply group or location filters in Camera view or Explorer view. Rearrange the list by camera name, number, group, or location in Explorer view.

5. **Alarm Indicators:** As alarms are received, a color-coded alarm indicator appears in the toolbar. Each alarm indicator represents a different type of alarm that Endura supports. For example, a green alarm indicator represents normal alarms; yellow indicates minor alarms, orange indicates major alarms, and red indicates critical alarms. A flashing indicator means that an alarm has been received but not acknowledged.

6. **Workspaces:** Each workspace tab displays a group of video panes with the cameras you have selected. Changes to the camera selections are automatically saved. You do not have to select the same cameras each time you log on. There are three specialized workspaces:
   - **External Monitors.** This workspace functions as a virtual monitor wall, with monitor icons arranged to correspond to physical NTSC/PAL or VGA monitors. Drag and drop cameras onto this workspace to display video on your actual monitor wall.
   - **Enhanced Search.** This workspace allows you to search for video by a date/time range, multiple devices, and multiple events. It also supports locking, unlocking, and exporting video.
   - **Alarms.** This workspace functions as the Alarm Manager. The Alarm Manager workspace displays a list of all active alarms including those from physical events, motion events, and device errors reported by the system. An icon indicates the type of response to each alarm to clear it, acknowledge it, or pause it for later (also referred to as snoozing an alarm).

7. **Video Pane:** A bright green border indicates the currently selected video pane. Bright yellow indicates recorded video. Bright red indicates that manual recording is in progress. If audio is available, it will stream along with the live or recorded video. Right-click the video pane to see what services (such as patterns and presets) the camera supports.

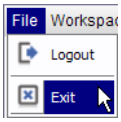
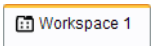
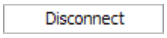
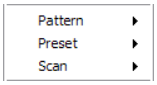
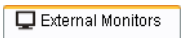
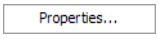
8. **Video Controls:** When you move your cursor into a pane to which video is streaming (either live or played back), these controls appear in the lower-left corner of the pane. Rest your mouse above each button to learn its function.

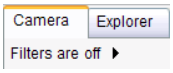
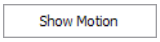
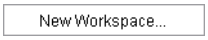
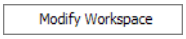
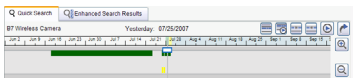
9. **Search Results Tabs:** These tabs allow you to search for video from a single camera on the Quick Search tab or to view broader search results on the Enhanced Search Results tab. Each tab offers playback and export options.

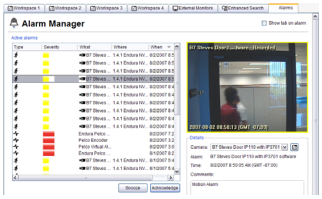
10. **Quick Search Timeline:** This timeline displays any video that has been recorded in the past 24 hours for the currently selected camera. As you select a different video pane, the display is updated to reflect the available recorded video for the currently selected camera. Commands are available to disable automatic video search (), disable automatic video playback (), jump to the previously recorded video segment (), jump to the next recorded video segment (), play video (), and export video ().

11. **Status Bar:** Icons on this bar indicate available network services, the security status for the system, and the currently active interface feature.

Quick Reference

To do this:	Take this action:	On-screen button	Shortcut
Get help with Endura	Click the Help button in the toolbar. Or go to the Help menu and then select Help.		F1
Log off	Go to the File menu and then select Exit/Logout.		
Work with Cameras			
Select a workspace (a set of cameras)	Click a workspace tab.		
Select a camera for live view	Click a camera in the Navigation panel and then drag the camera to a video pane. Or right-click a video pane and then select Select Camera by Number.		
Disconnect a camera	Right-click the video pane, and then select Disconnect from the context menu.		
Adjust PTZ	Click in the video pane and then drag the mouse to pan or tilt. Use the mouse's scroll button to zoom in and out.		Arrow keys to pan/ tilt; Page Up and Page Down to zoom
Adjust focus	Click the Focus button in the video controls, and then use the on-screen slider.		
Adjust iris	Click the Iris button in the video controls, and then use the on-screen slider.		
Use digital zoom	Click the Digital Zoom button in the video controls, and then use the mouse to adjust the zoom.		Page Up Page Down
Run pattern, preset, or scan	Right-click the video pane, and then select an option from the context menu.		
Assign a camera to an external monitor	Click the External Monitors button in the toolbar or workspace tab. Click a camera in the Navigation panel, and then drag the camera to an external monitor icon.		CTRL + M
View camera properties	Right-click the video pane or a camera in the Navigation panel, and then select Properties from the context menu.		

To do this:	Take this action:	On-screen button	Shortcut
Adjust the Display			
Change the cameras displayed in the Navigation panel	Modify camera filters. Or use an "Arranged by" option in Explorer view.		
Enter extended view (hide toolbars and menus)	Click the Extended View button in the toolbar. Or go to the Views menu and select Extended View.		CTRL + E
Exit extended view (return to main screen)	Press the ESC key. Or right-click and select Exit Extended View.		ESC or CTRL + E
Show or hide motion detection indicators	Right-click the video pane, and then select Show Motion/ Hide Motion from the context menu.		
Change the layout of a workspace	Click a layout icon in the toolbar. Or go to the Workspace menu, and then select a layout.		CTRL + 1, CTRL + 2, CTRL + 3, CTRL + 4, CTRL + 5, CTRL + 6, or CTRL + 7
Add a new workspace	Right-click a workspace tab or go to the Workspace menu, select New Workspace, and then assign a name.		CTRL + ALT + N
Rename a workspace	Right-click a workspace tab or go to the Workspace menu, select Modify Workspace, and then assign a new name.		CTRL + ALT + M
Adjust volume of audio associated with video	Click the Volume button, and then move the volume slider.		CTRL + ALT + V
Work with Recorded Video			
Search for video on one camera by date/time, and then select result	Click and drag a camera onto the Quick Search tab, and then drag the timeline bar to the desired date/time.		
Search for video on more than one camera by date/time and event, and then select result	Click the Enhanced Search button in the toolbar or workspace tab, and then use the form to select date, time, cameras, and events. Click a search result and drag to a video pane.		CTRL + R
Control playback of video	Use the video controls in the lower-left corner of the video pane. Hover your mouse above each button to learn its function.		
Run synchronized playback	Click the Synchronous Playback button, and then select up to four cameras to play back.		CTRL + ALT + L
Export video	Click the Export button from the video controls, the Quick Search tab, or the Enhanced Search Results tab.		
Export a snapshot	Click the Snapshot button in the video controls. The image is saved in your default export location.		

To do this:	Take this action:	On-screen button	Shortcut
Manage Events			
Respond to an alarm	Click Snooze or Acknowledge on the Alarm Manager tab. Click Comments to read instructions for responding to the selected alarm. Click Log entry to add a message about an alarm. Click the Send button in the Details area to view all video associated with the alarm in a workspace.		CTRL + ALT + A
Mark an event (to make it easier to search for a video clip later)	During playback, click the Mark Event button in the video controls.		
Manually record video	Click the Record button in the video controls. Or right-click the video pane, and then select Record.		
Stop manual recording	Click the Record button in the video control. Or right-click the video pane, and then select Stop Recording.		
Run a script	Go to the Tools menu, and then select Execute Script.	Execute Script	CTRL + ALT + S
Activate a relay	Go to the Tools menu, and then select Activate Relay.	Activate Relay	CTRL + ALT + R
Add manual entry to system log	Go to the Tools menu, and then select Add to System Log.	Add To System Log	CTRL + A
Manage Endura System			
View a log of all system events and device activity	Click the System Log button in the toolbar. Or go to the Tools menu, and then select View System Log.		CTRL + L
Open the Setup screen	Click the Setup button. Or go to the Setup menu, and then select Setup.		CTRL + SHIFT+ S
Adjust network settings	Open Setup and then click the System Configuration tab. Refer to Help for more details.	System Configuration	
Configure a device	Open Setup and then click the Devices tab. Refer to Help for more details.	Devices	
Edit a user's set of permissions	Open Setup and then click the Roles tab. Refer to Help for more details.	Roles	
Add a new user	Open Setup and then click the Users tab. Refer to Help for more details.	Users	
Configure an external monitor wall	Open Setup and then click the External Monitors tab. Refer to Help for more details.	External Monitors	
Set up a recording schedule	Open Setup and then click the Recording Schedule tab. Refer to Help for more details.	Recording Schedules	
Program a script (a macro or set of actions)	Open Setup and then click the Scripts tab. Refer to Help for more details.	Scripts	
Update software on an Endura device	Open Setup and then click the Update Software tab. Refer to Help for more details.	Update Software	

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