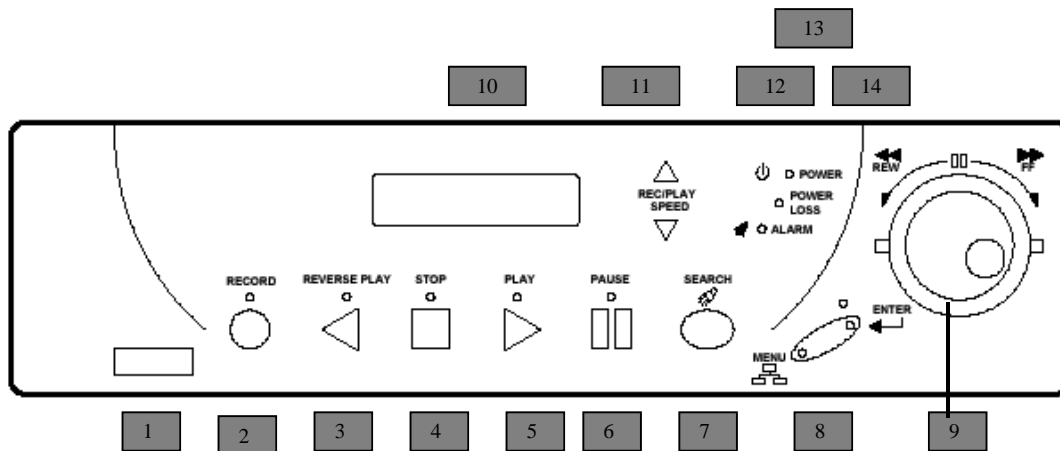
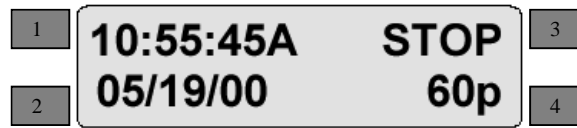


Front Panel Controls



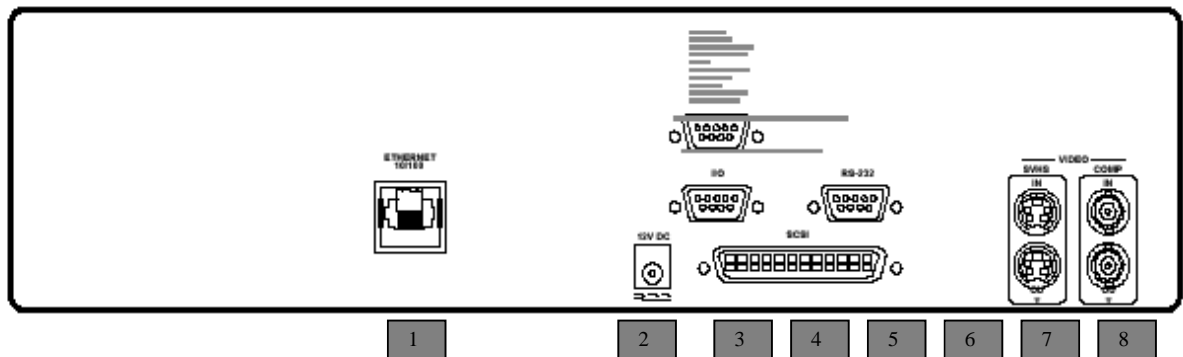
1. **Infrared Port:** This feature is not yet available.
2. **Record button:** Press this button to begin recording
3. **Reverse play button:** Press this button to playback video in reverse at the normal record speed.
4. **Stop button:** Press this button to stop Recording or Playback
5. **Play Forward button:** Press this button to playback video at the normal record speed.
6. **Pause button:** Press this button to pause playback
7. **Search button:** Press this button to enter the Search Filter menu.
8. **Combination Menu and Enter button:** Press the lower half of the button (the **Menu** button) to enter the menu system. Also used to "Exit without saving" while in the menu system.
-OR-
 Press the upper half of the button (the **Enter** button) to make a confirm a selection in menu system.
9. **Jog/Shuttle:** The **Jog** (the inner of the two dials) is used for single frame advance while in the Pause mode, it is also used to change the value of a parameter while in the menu system. The **Shuttle** (the outer of the two dials) is used to Fast Forward and Rewind while in the Play mode. The **Shuttle** is also used to navigate while in the menu system.
10. **LCD:** Displays the Time, Date, Mode, and Record or Playback speed in pictures per second (PPS)
11. **Increase and Decrease Record Speed Button:** press these buttons to increase or decrease the Record or Playback speed.
12. **Alarm Indicator:** Indicates an alarm condition when the LED is lit.
13. **Power Loss Indicator:** Indicates power loss when the LED is lit.
14. **Power on Indicator:** Indicates power is On when LED is lit.

Front Panel Display



1. **Time:** Displays current time in Record and Stop mode. Displays time the event was recorded in Play and Pause modes
2. **Date:** Displays current date in Record and Stop mode. Displays date the event was recorded in Play and Pause modes
3. **Mode:** Displays the mode the unit is in.
4. **Record Speed:** Displays the normal record or playback speed in PPS.

Rear Panel Connections



1. **Ethernet Port:** For viewing Live or Recorded images on a PC via the Ethernet
2. **Power Connector:** Connect 12 Volt DC external power supply
3. **I/O Port:** For connecting peripheral devices such as alarm devices, alarm relays, or the VEXT connection.
4. **SCSI Port:** For connecting as SCSI compatible archive device
5. **RS-232 Serial Port:** Serial port for Flash Upgrading of software. Also for external control of unit.
6. **Audio In:** Accepts line level audio input with RCA style jack
7. **SVHS IN:** Y/C video input with 4-pin mini-DIN style connector
SVHS OUT: Y/C video output with 4-pin mini-DIN style connector
8. **Video In:** Composite video input with BNC style connector
Video Out: Composite video output with BNC style connector

DSR-2000e

Record Time

160 GB Hard Drive

DSR-2000e Digital Recorder				
Record Mode		Standard Resolution	Medium Resolution	High Resolution
600 hrs	.2 pps	740.8 days	463 days	336.7 days
240 hrs	.5 pps	296.3 days	185.2 days	134.7 days
120 hrs	1 pps	148.2 days	92.6 days	67.3 days
24 hrs	5 pps	29.6 days	18.5 days	13.5 days
12 hrs	10 pps	14.8 days	9.3 days	6.8 days
24 NRT	20 pps	7.4 days	4.6 days	81 hrs
2 hrs	60 pps	59 hrs	37 hrs	27 hrs

80 GB Hard Drive

DSR-2000e Digital Recorder				
Record Mode		Standard Resolution	Medium Resolution	High Resolution
600 hrs	.2 pps	370.4 days	231.5 days	168.3 days
240 hrs	.5 pps	148.1 days	92.6 days	67.3 days
120 hrs	1 pps	74.1 days	46.3 days	33.6 days
24 hrs	5 pps	14.8 days	9.2 days	6.7 days
12 hrs	10 pps	7.4 days	9.3 days	3.4 days
24 NRT	20 pps	3.7 days	2.3 days	40.5 hrs
2 hrs	60 pps	29.5 hrs	18.5 hrs	13.5 hrs

30 GB Hard Drive

DSR-2000e Digital Recorder				
Record Mode		Standard Resolution	Medium Resolution	High Resolution
600 hrs	.2 pps	145.6 days	91 days	66.2 days
240 hrs	.5 pps	58.2 days	36.4 days	26.4 days
120 hrs	1 pps	29.1 days	18.2 days	13.2 days
24 hrs	5 pps	5.8 days	3.6 days	63.6 hrs
12 hrs	10 pps	69.9 hrs	43.7 hrs	31.8 hrs
24 NRT	20 pps	35 hrs	21.8 hrs	15.9 hrs
2 hrs	60 pps	11.7 hrs	7.3 hrs	5.3 hrs

The 6 steps of programming for the DSR-2000e

Entering into the programming mode;

Press the **Menu** button, and then use the **Shuttle** to move through the options

Highlight "*Time/Date*" press **Enter**

Shuttle down to "*Set Time*" press **Enter**

Press **Enter** to highlight the time, use the **Jog** to set hours

Use **Shuttle** to move between Hours, Minutes Seconds.

Press **Enter** to confirm selections

To exit use the **Jog** to select [OK] then press **Enter**

Shuttle down to "*Set Date*" press **Enter**

Press **Enter** to highlight the month, use the **Jog** to set month

Use **Shuttle** to move between Month, Date, and Year.

Press **Enter** to confirm selections

To exit use the **Jog** to select [OK] then press **Enter**

Use the **Jog** to move down to "*Record Setting*" press **Enter**

Use the **Jog** to move down to "*Normal Record Speed*" press **Enter**

Use the **Jog** to select the record speed during Normal recording

Press **Enter** to exit

Use the **Jog** to move down to "*Video Quality*" press **Enter**

Use the **Jog** to move between the selections

Press **Enter** to exit

PRESS MENU TO GO BACK TO MAIN MENU

Use the **Jog** to move down to "*Advance Menu*" press **Enter**

Enter in the password

Default is **3477**

Use the **Jog** to select the proper number, press **Enter** to accept, and advance to next number

Now you will see a **Main** and **Advance** Menu at the top left of the monitor

Select "*Advance*" press **Enter**

Use the **Jog** to move to "*Disk Overwrite Mode*" press **Enter**

Use the **Jog** to select "*Continuous Overwrite*" press **Enter**

Use the **Jog** to move down to "*Multiplexer Format*" press **Enter**

Use the **Jog** to select the proper Multiplexer that the DSR is connected to press **Enter**

Press MENU twice to exit the menu programming

Press the Record button to begin recording

Search Feature Setup

Use this to specify:

- The Start and Stop date of the search
- The Start and Stop time of the search
- Which cameras to search excessively
- To search for recorded alarms

Search Filters							
Start				Stop			
DATE:	12/25/00	[]					
	(MM/DD/YY)						
Start				Stop			
TIME:	11:11:21	[]					
CAMERA: [] [] [] [] [] [] [] []							
ALARM: []							
[CANCEL]				[START SEARCH]			

You can search by a start and stop date or start and stop time on a specific camera or an alarm event or any combination of these search criteria.

Press the **Search** button to enter into the Search screen

Shuttle to “Date” press **Enter**

Use the **Jog** to adjust the *Month, Date, Year*

Use the **Shuttle** to move to between the *Month, Date, Year*

Use the **Jog** to put a “X” in the box to activate the **Start** date

Repeat the above process to use the Stop date

Press **Enter**

Shuttle to “Time” press **Enter**

Use the **Jog** to adjust the *Hour, Minute, Seconds*

Use the **Shuttle** to move between the *Hour, Minutes, Seconds*

Use the **Jog** to put a “X” in the box to activate the **Start** time

Repeat the above process to use the Stop time

Shuttle to “Camera” press **Enter**

Use the **Shuttle** to move navigate between the cameras

Use the **Jog** to select the specific camera or cameras

Press **Enter** when all cameras have been selected

Shuttle to “Alarm” press **Enter**

Use the **Jog** to select Alarm press **Enter**

Shuttle to “Start Search” press **Enter**

This is your Search Results Screen

Search Results				
	Start Date	Start Time	Days	HH MM SS
000	01/01/00	00:07:14	0	00:00:36
001	01/01/00	23:35:20	0	00:08:11
002	02/12/00	23:43:30	0	00:33:49
003	02/12/00	00:17:23	0	01:38:18

"ENTER" to play

Use the **Jog** to move to the specific recorded event you wish to select, press **Enter**

To view a specific camera press the camera number on the Multiplexer