

**Leader DVR
WJ-HL204/208
Product Outline**

@ Concept

@ Appearance

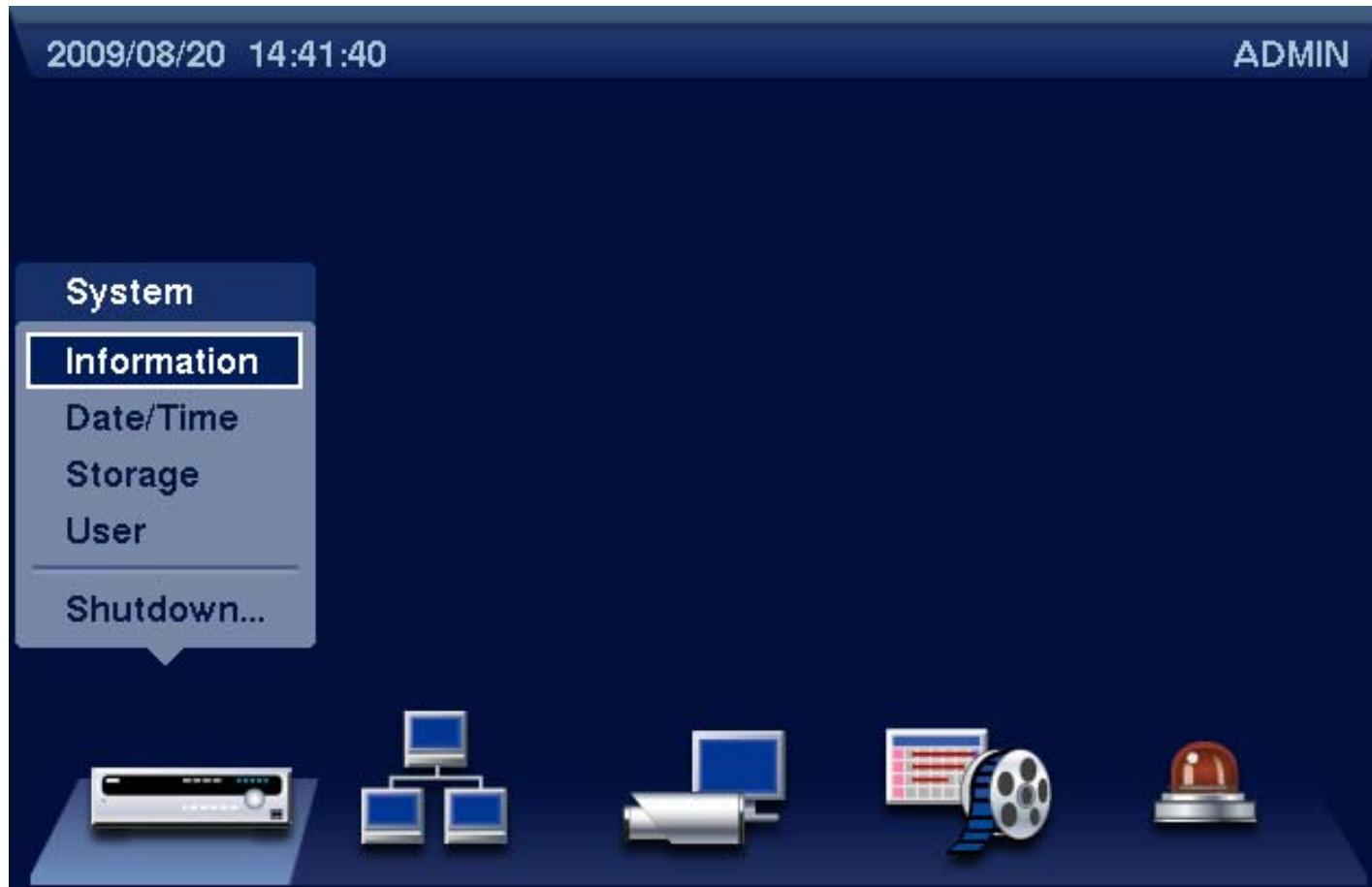
@ Specifications

Concept

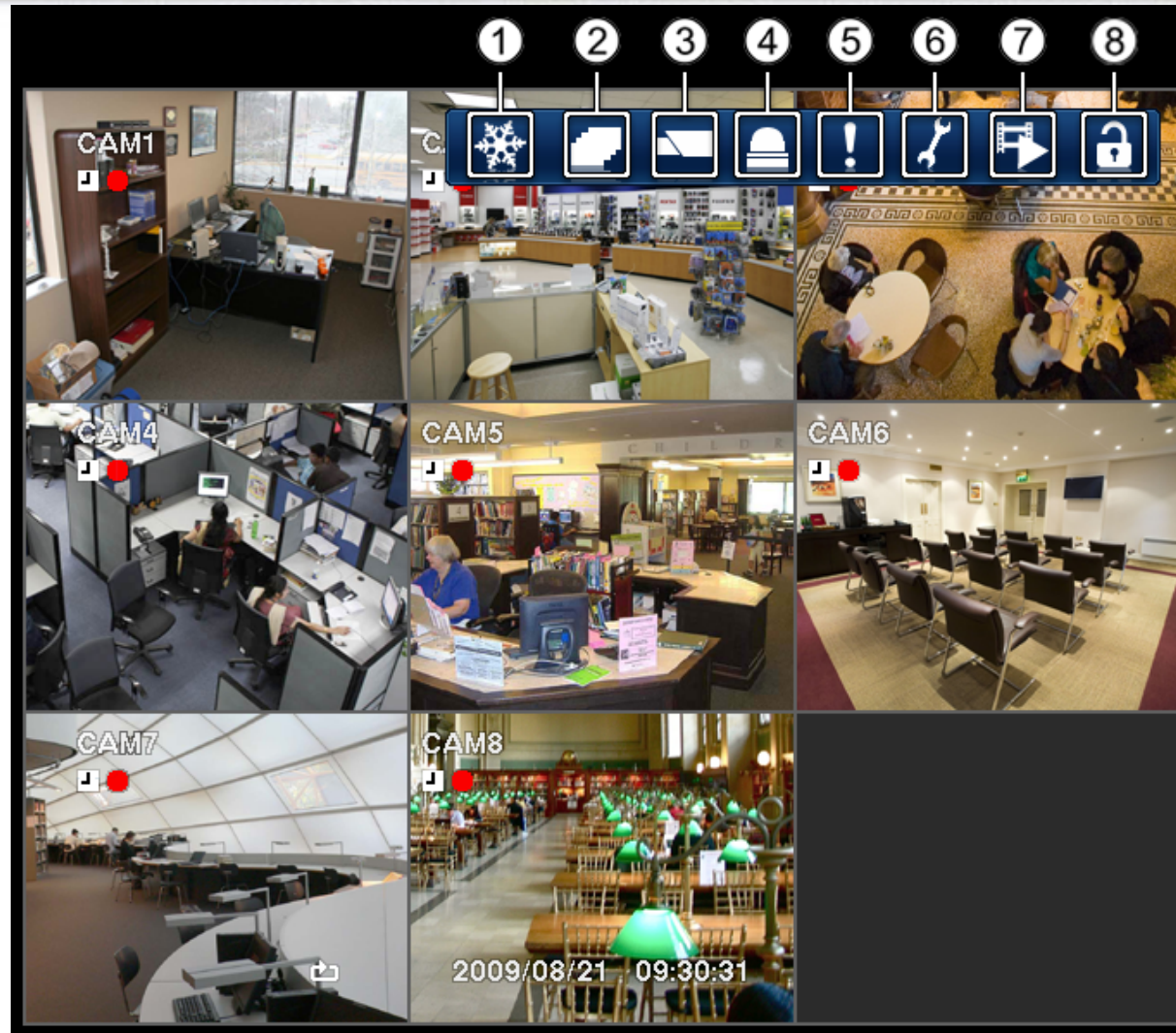
Entry Class Recorder with H.264 Real-time Recording @ CIF

- Real-time Recording @ CIF
 - 4ch 100ips (PAL)
 - 8ch 200ips (PAL)
- Easy Operation
 - Mouse Operation
 - User friendly GUI
- Simple standalone model
 - Built-in 1 HDD
 - Expandable up to 3 HDDs
 - Multiple Recording Modes
(Time-lapse, Pre-event, Alarm, VMD and Panic)
 - Support USB Flash Memory for data copy

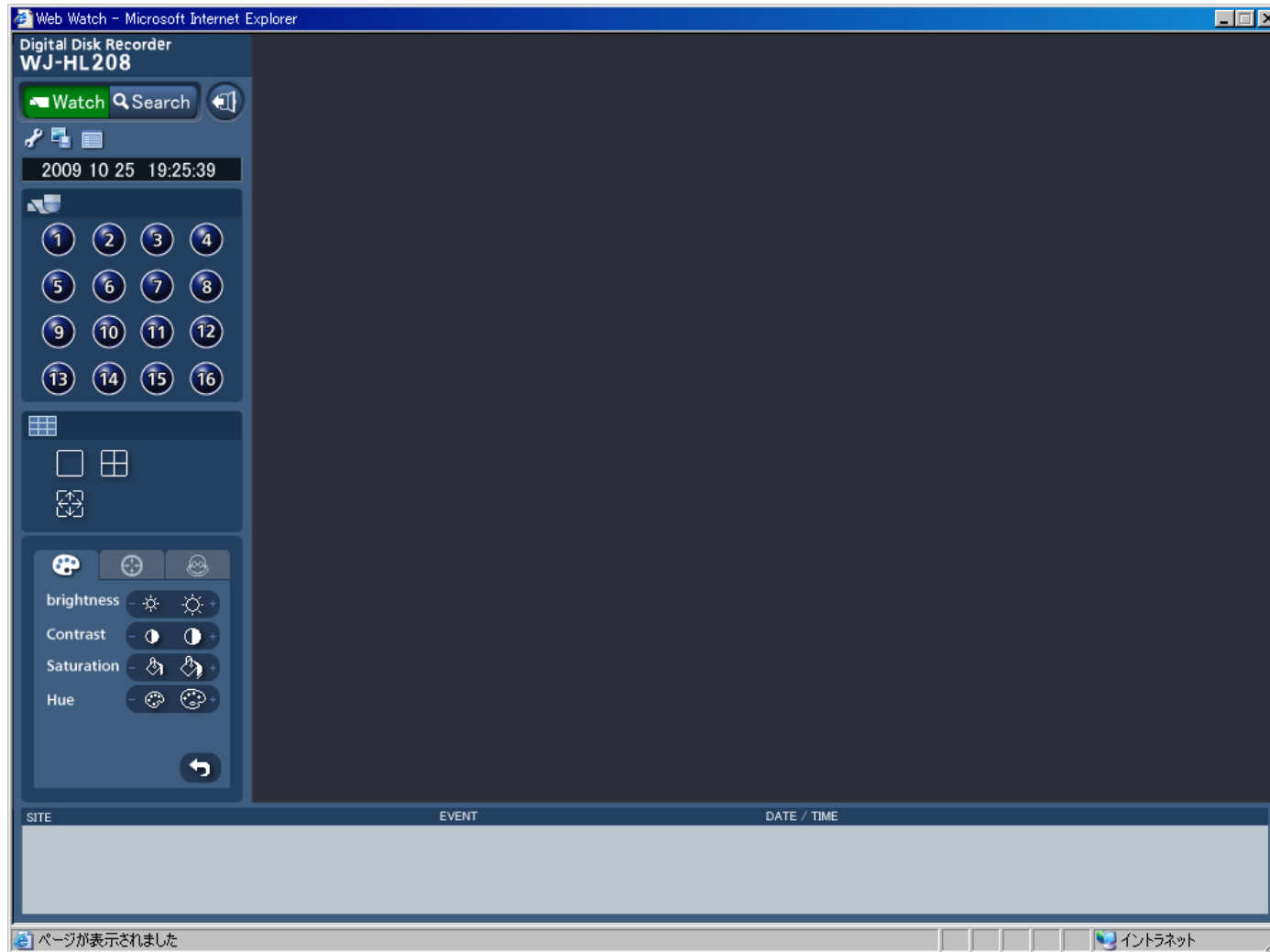
GUI Sample (Set up screen)



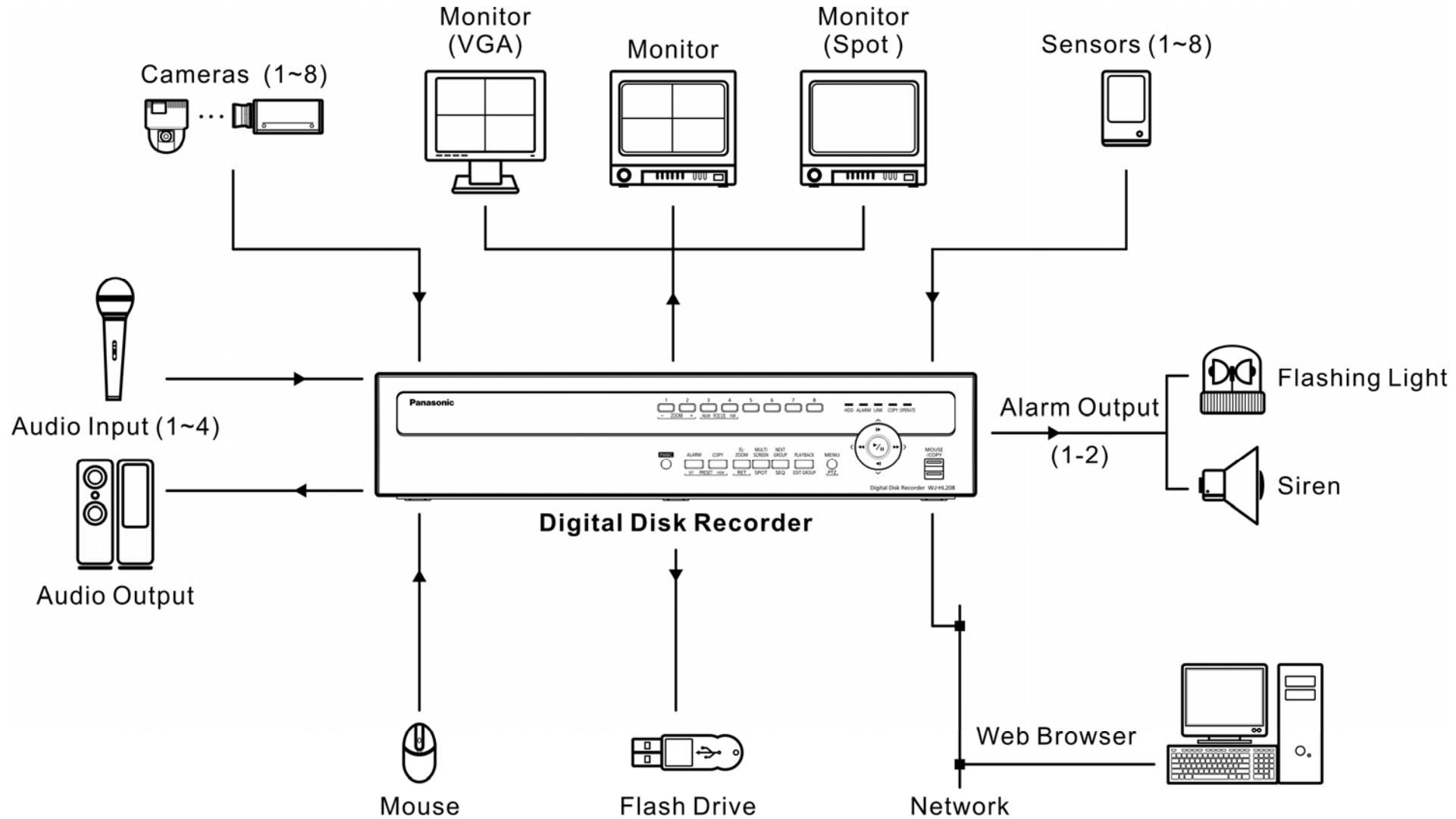
GUI Sample (Live Monitoring)



GUI Sample (Web Browser)



Typical Installation



- @ Concept
- @ Appearance
- @ Specifications

Appearance

WJ-HL208

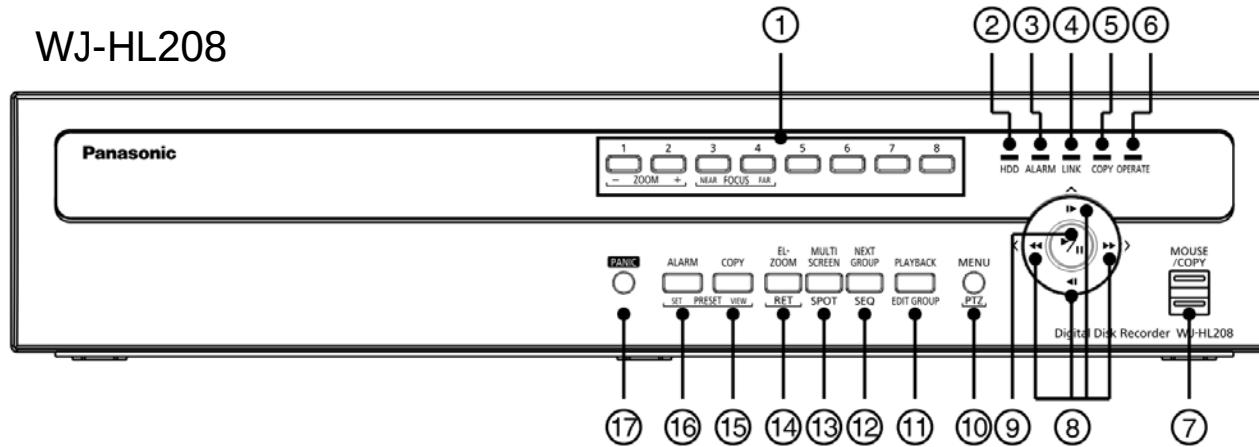


WJ-HL204



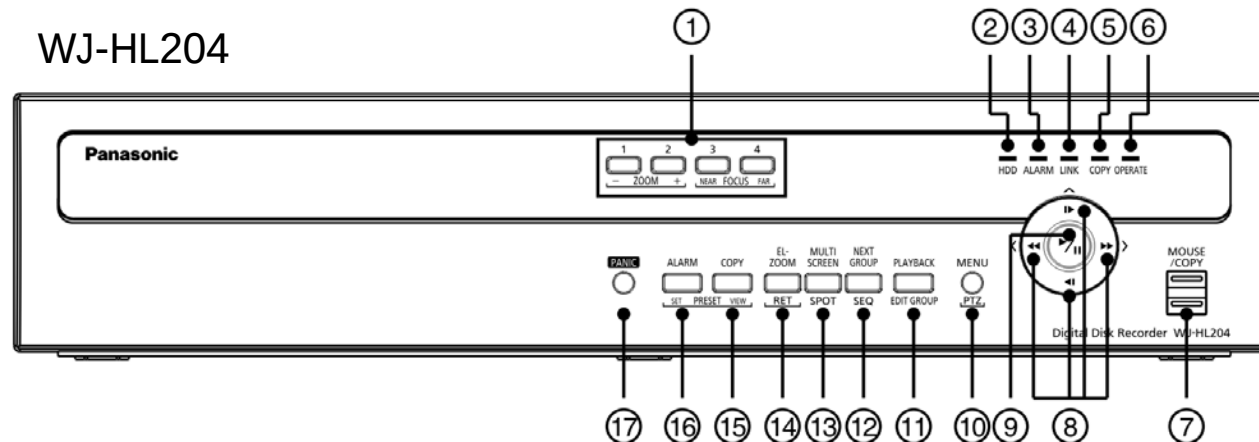
Front Panel Controls

WJ-HL208



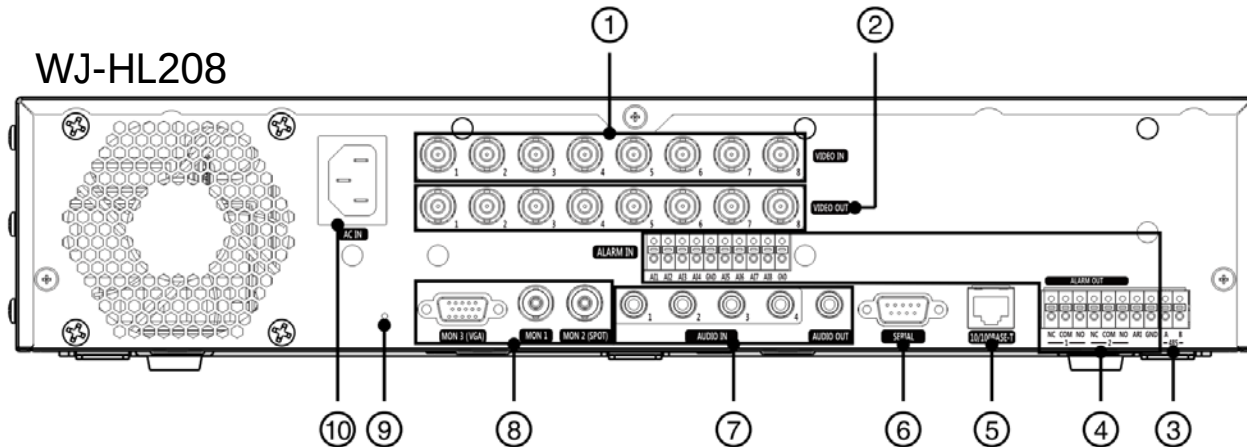
1. Camera Buttons
2. HDD Indicator
3. Alarm Indicator
4. Link Indicator
5. Copy Indicator
6. Operate Indicator
7. Mouse / Copy Port
8. Arrow Buttons
9. Play / Pause Button
10. Menu / PTZ Button
11. Playback / Edit Group Button
12. Next Group / Sequence Button
13. Multi Screen / Spot Button
14. EL-Zoom / Return Button
15. Copy / View Button
16. Alarm / Set Button
17. Panic Button

WJ-HL204



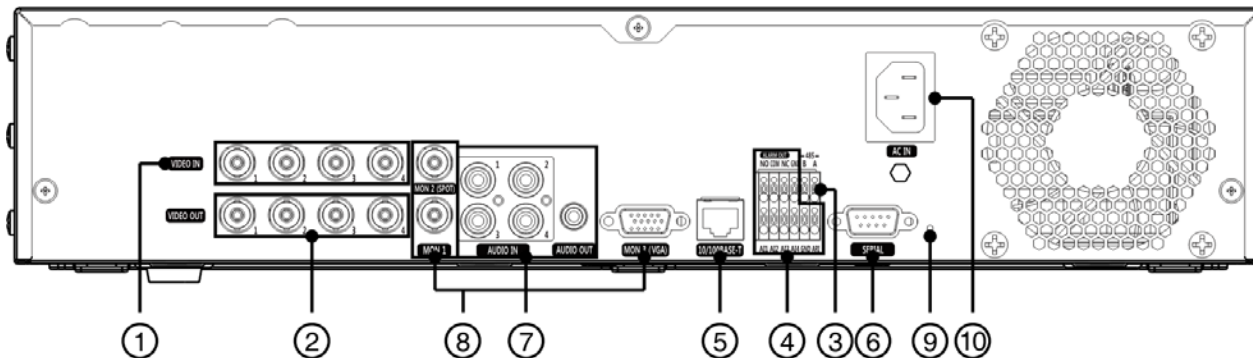
Rear Panel

WJ-HL208



1. Video Input Connector
2. Video Output Connector
3. RS485 Terminal
4. Alarm Input / Output Terminal
5. Network Port
6. Serial Port
7. Audio Input / Output Connector
8. Monitor Output Connector
9. Factory Reset Switch
10. Power Inlet

WJ-HL204



- @ Concept
- @ Appearance
- @ Specifications

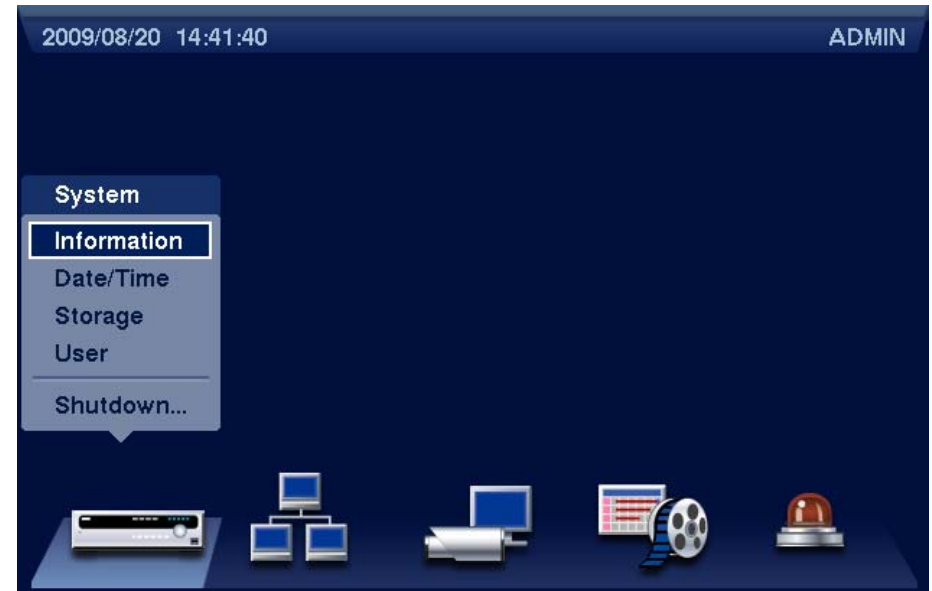
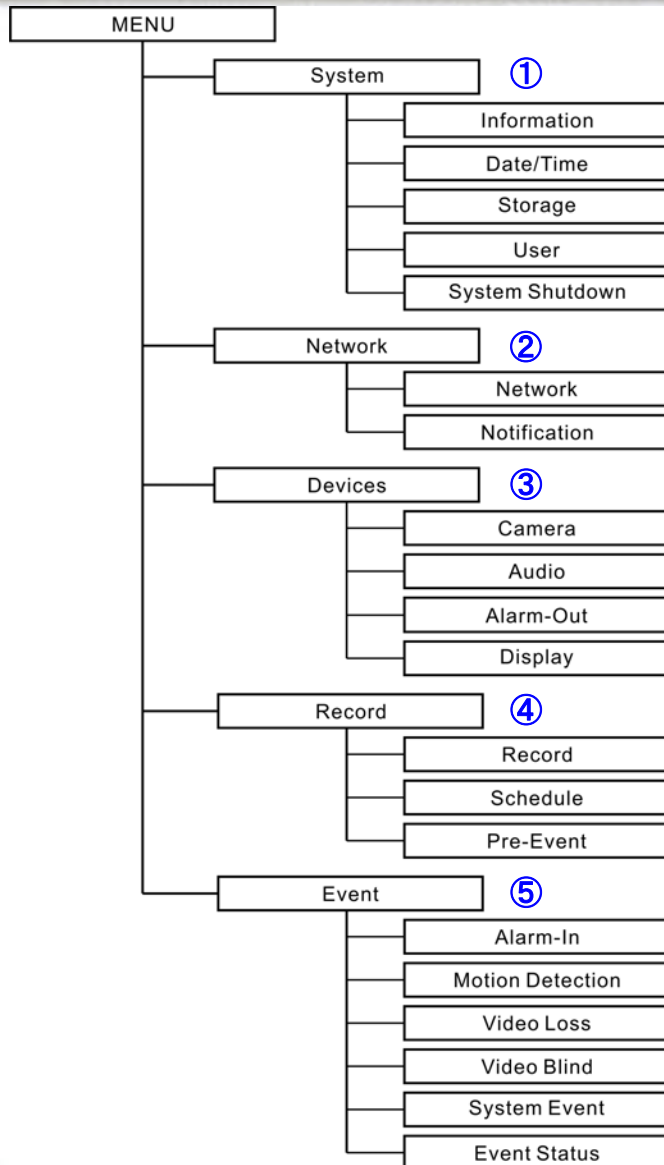
Specification (1)

		WJ-HL208	WJ-HL204
Total Recording Rate @ CIF (PAL)		200ips	100ips
HDD Capacity		Max 4TB (1TB x 4)	Max 4TB (1TB x 4)
Number of HDD	Per-installed at shipment	1	1
	Expandable up to	3	3
Number of Camera		8	4
PTZ Camera Control (Panasonic / Pelco-D)		Yes Via RS-485 (2-wire system)	Yes Via RS-485 (2-wire system)
Data Copy		Yes (USB Flash Memory)	Yes (USB Flash Memory)
Web Browser		Yes	Yes
Split Screen		Yes (1 / 4 / 8(9))	Yes (1 / 4)
IR Remote Control		No	No
DVD Drive		Not supported	Not supported
Weight		Approx. 8Kg	Approx. 8Kg
Dimensions W x H x D [mm]		430 x 88 x 405	430 x 88 x 405
Power Source		AC100 - 240V, 1.2 - 0.6A	Under testing
Remarks			

Specification (2)

		WJ-HL208		WJ-HL204
Video Input	BNC	8 (with 8 Loop-through output)		4 (4 Loop-through)
		Composite 1Vp-p /75 ohm, Auto Termination		←
Monitor Output	BNC	Composite, 1Vp-p / 75 ohm	PAL: 720 x 576	←
	D-Sub 15	VGA	800 x 600, 1024 x 768, 1280 x 1024	←
Audio Input	RCA	4 Line input		←
Audio Output	RCA	1 Line output		←
Alarm Input	Terminal	8		4
		NC/NO programmable		←
Alarm Output	Terminal	2 Relay output		1 Relay output
Alarm Reset Input	Terminal	1 (NO)		←
RS485	Terminal	2-wire system		←
RS-232C	D-Sub 9	Not supported		←

Specification (3) Set up Menu



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Function

Function List

Function List (1)

□ Display Function

Function		Outline	Remarks
Live Monitoring		Display the live video from cameras 1) Single image / Multi Screen image 2) Spot Sequence 3) Multi Screen Sequence 4) Variable dwell time setting for Sequence	
	EL-Zoom	2 times electronic zoom	
Playback		1) Single Screen Playback 2) Multi Screen Playback	
Set Up Menu		Intuitive GUI with icons	

Function List (2)

□ Recording Function

Function	Outline	Remarks
Emergency Recording	The highest priority recording function 1) By the panic button on the front panel 2) By alarm input	Not possible to activate by mouse and Web browser operation.
Schedule Recording	1) Max 20 programs	Summer time function is available.
Event Pre Recording	1) Max recording period: 30 minutes	Some condition such as Recording Rate or Resolution may cause shorter recording period than 30 minutes.
Event (Post) Recording	1) By alarm input 2) By VMD	Different setting from the schedule recording can be set.
Data copy	Copy the picture data to the USB memory 1) Specify the start and end time 2) Auto calculation function indicates free space of memory.	Max copy size is 2GB.
Manual Recording	Manual recording is not available.	

Function List (3)

□ Playback Function

Function	Outline	Remarks
Playback	1) Single screen 2) Multi screen	The searched image is displayed on the screen at pause condition.
Pause	1) By pause button on front panel 2) By mouse operation	
Frame by frame play	1) Forward / Reverse	
Fast forward / Fast backward playback	Variable playback speed 1) Fast: X5, X40, X120 2) Slow: X1/2, 1/3, 1/4, 1/6, 1/8	
EL-Zoom	2 times electronic zoom for playback image	
Playback sub window is available for easy Mouse operation		

Function List (4)

❑ Search Function

Function	Outline	Remarks
Calendar Search	Select video by using a calendar	
Record Table Search	Select video by using a recording table	
Event Log Search	Select video from the event log	
Motion Search	Select motion event	This function needs to refer playback video and it may take long time to find record.
Go To	1) Go to the First 2) Go to the Last 3) Go to the Date/Time	1) Display the first recorded image 2) Display the last recorded image 3) display “Go to the Date/Time screen”

Function List (5)

□ Web Browser Function

Function	Outline	Remarks
Live Monitoring	Display the live video from cameras	
Search & Playback	1) Calendar search 2) Event search	
Save video data	1) Video: saved as an executable file 2) Still image: saved as a bitmap or JPEG file format	
Print camera image	Possible to print camera image on the printer connected to PC	
Camera control (PTZ etc)	Pan / Tilt / Zoom / Preset Position	
Display the recorder status	1) Recording, Playback, Copy 2) Event 3) Alarm-Out 4) System Check 5) Video Loss	
Manual recording is not supported from browser operation.		

Function List (6)

❑ Other Function

Function	Outline	Remarks
Manual Delete	All data of selected HDD	
Auto Delete	Set the number of day from 1 to 99 to keep the video data.	
Export data	1) Current Recorder settings 2) System Log	
Camera control via RS485	Support Protocol 1) Panasonic 2) Pelco-D 3) Pelco Spectra Doom	Site-Alarm not supported
E-Mail	Send an E-Mail when an event occurs.	The recipient address is only one.
FTP Client	-	Not supported