

# Network Disk Recorder WJ-ND400

NTSC WJ-ND400 (120 V AC) PAL WJ-ND400 (220 ~ 240 V AC)

#### **Preliminary**



### High performance Network Disk Recorder for Megapixel i-Pro Network Cameras with 9 Serial ATA HDD slots

#### **Key Features**

- MPEG-4 and JPEG multi format
- Up to 64 network cameras can be connected without extra license fee and their images can be recorded simultaneously.
- 200 Mbps high throughput: Best match with Megapixel i-Pro Network Cameras
- Various Recording Modes: Manual, Schedule including Event (Pre/Post), Emergency. Schedule mode includes eight recording programs with individual recording mode for each camera, and 6 time schedules per day.
- Panasonic camera control: Pan/Tilt, Zoom, Focus, Brightness, Preset Position, Auto mode (depending on camera model).
- Audio from up to 64 i-Pro network cameras can be recorded and played back, G.726 (ADPCM) 32 kbps.
- Cameras can be assigned to one of the 8 groups for easier browsing.
- Flexible playback controls: Goto Date (Jump to specific time/date), Goto Last (Jump to 5 sec. ~ 5 min. before the record end).
- Various display modes: Spot, Quad (16 patterns), Spot Sequence, Quad Sequence (Live).
- Filtered search: Time & Date, Event Type, Camera number.
- VMD search: Motion in a specified area in the recorded images can quickly be searched (works with WJ-NT314).
- 2x, 4x Digital zoom (Live/Playback)
- Recorded images can be downloaded to a PC. Downloadable viewer software allows playback of images downloaded from the recorder.
- Various alarm sources include 32x Terminal inputs, 64x Camera alarms, Panasonic Alarm Protocol. Flexible alarm actions include Event recording, E-mail notification, Alarm message, Camera positioning, FTP image transfer, Terminal output, Panasonic alarm protocol output, Buzzer and LED.
- 2x built-in network interfaces (10Base-T / 100Base-TX / 1000Base-T) for camera recording and client access
- Up to 16 clients can monitor images and control WJ-ND400 simultaneously.
- FTP client function enables periodic live image transfer or recorded image transfer in response to an alarm.
- Performance measurement function for appropriate recording frame rate setup
- Images recorded in the SD memory card in i-Pro network cameras can be transferred to the recorder automatically even when the recorder is in recording status.

- Setup can be made with the user friendly browser GUI. Multilingual options include English / French / Spanish / Germany / Italian / Russian / Chinese / Japanese.
- User/Host authentication, 4 programmable user levels, 16 user priorities and User-Camera View/Control partitioning set up for sophisticated user management. Up to 32 user registrations
- Alteration detection and recorded data encryption for data security
- Multi-recorder-Multi-site-system can be made with optional WV-ASM100 i-Pro Management Software.
- Equipped with a 500 GB Serial ATA HDD. Up to 9 Serial ATA HDDs can be installed with the provided canisters. With hot plug support, the HDDs can be removed without interrupting the recording.
- HDD capacity is expandable up to 27 TB with 9 HDD slots in the main unit and five optional WJ-HDE400 Hard Disk Extension Units each with 9 HDD slots.
- Disk partitioning including Normal, Event, Pre-Event, Copy for flexible record management
- RAID5/6 redundant recording for data security
- Superior reliability with an embedded OS compared to PC-based system

#### **Standard Accessories**

CD-ROM*	Label
·	
Quick Reference Guide 1 pc.	<ul> <li>Rack Mounting Bracket fixing screw 6 pcs.</li> </ul>
* The CD-ROM contains the operating instructions (PDFs)	<ul> <li>Handle for Rack Mounting Bracket 2 pcs.</li> <li>Handle fixing screw for</li> </ul>
The following are for installation:	Rack Mounting Bracket 4 pcs.
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<ul> <li>Power Cord (NTSC model) 1 pc.</li> </ul>	<ul> <li>Washer 4 pcs.</li> </ul>
Power Cord (PAL model) 2 pcs.	HDD canister 8 pcs.
• Key	HDD fixing Screw for HDD canister 48 pcs.
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#### **Optional Accessory**

Hard Disk Extension Unit WJ-HDE400

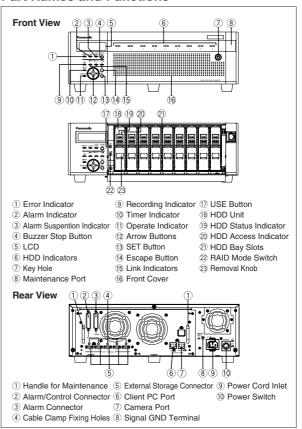


#### Specifications

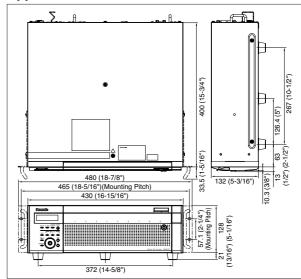
Supported Cameras	1		NTSC	PAL	
	Supported Car	neras	Panasonic i-Pro series Network cameras (Conta		
-amerias	Supported Imag		MPEG-4, JPEG, M-JPEG		
	Supported Image Resolution 1,280 x 960, 960 x 720, 640 x 480, 320 x 240 (Depending on the camera				
	Supported Audio Format  Maximum Number of Cameras				
Recording			Manual, Schedule including Event (Pi	re/Post) Emergency	
lecording					
	Pre-Event Recording		Up to 15 minutes with dedicated HDD for Pre-Event.		
			Shorter Pre-Event recording is possible without dedicated HDD.		
			8 programs, 6 time zones/day, Independent setup for each day of the wee		
	Frame Rate/Camera		Up to 30 ips (Depending on the Camera)		
Browser	Camera Control		Pan/Tilt, Zoom, Focus, Brightness, Preset pos	sition call and program (up to 256), Auto mod	
GUI	REC/Playback	Control	REC, PLAY, Rev PLAY, Pause, Stop,	FF, REW, Prev Record, Next Reco	
			Prev Image, Next image, Goto Date, G	Goto Last (5 sec. ~ 5 min.), Area selec	
	Search Mode		Filtered search: Time date, Event type	e, Camera number	
			VMD search: one detection areas per		
			Spot/Quad (16 patterns) / Spot Sequence / Quad Sequence (Sequence: Live only		
			8 groups each with 16 characters title		
	Image Download		Recorded data of selected camera and time range can be downloaded		
	CD Mamany D-t-		to a PC. Viewer software can be downloaded separately.		
	SD Memory Data		Images recorded in the SD card in the i-Pro series cameras can be		
			transferred to the recorder automatically.		
	Сору		Recorded data of selected cameras and time date range can be copied to the COPY partition		
	Camera Title		On the browser, Up to 16 Characters		
	Clock Display		On the browser. Time: 12 H/24 H, Date: 3 formats (YY.MM.DD, MMM.DD.YY, DD.MMM.YY)		
	Alarm Control		Reset, Suspend		
	Digital Zoom		2x, 4x		
	System Log		2x, 4x  Operator access (100), Network error (1,000), Error (100), Event (750)		
	-				
			Setup page in English, French, Italian, Spanish, German, Russian, Chinese, Japanese		
			English, French, Italian, Spanish, German, Russian, Chinese, Japanese		
	Supported OS		Microsoft® Windows Vista® Bussiness 32 bit		
			Microsoft® Windows® XP Home Edition SP2 Microsoft® Windows® XP Professional SP3		
			The language of the OS must be same as selected GUI language.		
	Supported Browser		Windows® Internet Explorer® 7.0 Microsoft® Internet Explorer® 6.0 SP2		
larm/	Alarm Source		32x Terminal inputs, 64x Camera alar	ms, Panasonic Alarm Protocol	
vent	Event Mode		Alarm / Activity / OFF		
			Alarm recording, e-mail notification, Alarm message, Camera positioning, FTP		
			image transfer, Terminal output, Panasonic alarm protocol output, Buzzer, LED		
			Reset, Suspend		
	Event log		750		
Network			Camera port: 10Base-T / 100Base-TX / 1000Base-T (RJ-45) Client port: 10Base-T /		
			100Base-TX / 1000Base-T (RJ-45) Maintenance port: 10Base-T (RJ-45)		
	Maximum Band Width		Total 200 Mbps		
	Bandwidth Control (Client Port)		$32\ K/64\ k/128\ k/256\ k/512\ k/1,024\ k/2\ M/5\ M/10\ M$ (bps) and unlimited		
	Supported Protocol		TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTI		
			Upon Alarm or Warning		
			Upon alarm or Periodic transfer		
	No. of Simultaneous Users				
		ion	Up to 32 users		
		ion	Up to 32 users		
	User level	ion	4 Levels (Programmable)	charl No Access	
	User level Partitioning		4 Levels (Programmable) User - Camera (View only, View & Co		
	User level		4 Levels (Programmable) User - Camera (View only, View & Co User authentication (ID and password),	Host authentication (IP address),	
	User level Partitioning		4 Levels (Programmable) User - Camera (View only, View & Co User authentication (ID and password), Alteration detection, HTTP Port No. (1	Host authentication (IP address), ~ 65,535 except for reserved numbers	
	User level Partitioning Security Metho	od	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 ~ 65,535 except for res	Host authentication (IP address), ~ 65,535 except for reserved numbers	
External	User level Partitioning	od	4 Levels (Programmable) User - Camera (View only, View & Co User authentication (ID and password), Alteration detection, HTTP Port No. (1	Host authentication (IP address), ~ 65,535 except for reserved numbers	
External nterface	User level Partitioning Security Metho	od	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 ~ 65,535 except for res	Host authentication (IP address), ~ 65,535 except for reserved numbers	
	User level Partitioning Security Metho Alarm Connector	od	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 ~ 65,535 except for res	Host authentication (IP address),  65,535 except for reserved numbers served numbers)	
	User level Partitioning Security Metho  Alarm Connector (D-sub25pin)	od Alarm	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 ~ 65,535 except for res Alarm input 1 ~ 7, 17 ~ 32'1	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inpu	
	User level Partitioning Security Metho  Alarm Connector (D-sub25pin) Alarm/Control Connector	Alarm Alarm	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32"1  Alarm input 8 - 16", 1x Alarm output"2, 1x/ Emergency recording input 1, Power of	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inpubutage detection input*1, External	
	User level Partitioning Security Metho  Alarm Connector (D-sub25pin) Alarm/Control	Alarm Alarm	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32*1  Alarm input 8 - 16*1, 1x Alarm output*2, 1x / Emergency recording input*1, Power or recording mode switching*1, Power or	Host authentication (IP address),  65,535 except for reserved numbers berved numbers)  Alarm reset input*1, 1x Alarm suspend input butage detection input*1, External utage recovery completion output*3,	
	User level Partitioning Security Metho  Alarm Connector (D-sub25pin) Alarm/Control Connector	Alarm Alarm Control	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 ~ 7, 17 ~ 32*1  Alarm input 8 ~ 16*1, 1x Alarm output*2, 1x/ Emergency recording input*1, Power or recording mode switching*1, Power or Time adjustment input/output*4, +5 V	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input", 1x Alarm suspend inputuage detection input", External stage recovery completion output", output", output".	
	User level Partitioning Security Metho  Alarm Connector (D-sub25pin) Alarm/Control Connector	Alarm Alarm Control	4 Levels (Programmable)  User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 ~ 65,535 except for rei Alarm input 1 ~ 7, 17 ~ 32"1  Alarm input 8 ~ 16"1, 1x Alarm output"2, 1x / Emergency recording input"1, Power or crecording mode switching"1, Power or Time adjustment input/output"4, +5 V Network error output"2, Available disk	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inputuage detection input*1, External stage recovery completion output*3, output*5 space warning output*2,	
	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)	Alarm Alarm Control	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32*1  Alarm input 8 - 16*1, 1x Alarm output*2, 1x / Emergency recording input*1, Power or recording mode switching*1, Power or recording mode switching*1, Power or time adjustment input/output*4, +5 V Network error output*2, Available disk HDD error output*2, Camera error out	Host authentication (IP address),  - 65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inputatage detection input*1, External latage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2,	
nterface	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage	Alarm Alarm Control  Error/ Warning	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 – 65,535 except for res Alarm input 1 – 7, 17 – 32*1  Alarm input 8 – 16*1, 1x Alarm output*2, 1x / Emergency recording input*1, Power or recording mode switching*1, Power or Time adjustment input/output*4, 45 V Network error output*2, Camera error out High-speed serial interface 1.5 Gbps (theoretic	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inpubutage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 at value) Only for WJ-HDE400 Extension U	
Other	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror	Alarm Alarm Control  Error/ Warning	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32"1  Alarm input 8 - 16"1, 1x Alarm output"2, 1x/ Emergency recording input"1, Power or recording mode switching"1, Power or Time adjustment input/output"4, +5 V Network error output"2, Available disk HDD error output"2, Power are reror out High-speed serial interface 1.5 Gbps (theoretic Terminal (Master or Slave), NTP (Ser	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inpubutage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 at value) Only for WJ-HDE400 Extension U	
Other	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage	Alarm Alarm Control  Error/ Warning	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 – 65,535 except for res Alarm input 1 – 7, 17 – 32*1  Alarm input 8 – 16*1, 1x Alarm output*2, 1x / Emergency recording input*1, Power or recording mode switching*1, Power or Time adjustment input/output*4, 45 V Network error output*2, Camera error out High-speed serial interface 1.5 Gbps (theoretic	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inpubutage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 at value) Only for WJ-HDE400 Extension U	
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Other Functions	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror Summer Time	Alarm Alarm Control Error/ Warning	4 Levels (Programmable)  User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 ~ 7, 17 ~ 32"1  Alarm input 8 ~ 16", 1x Alarm output"2, 1x/ Emergency recording input"1, Power or recording mode switching"1, Power or Time adjustment input/output"4, +5 V Network error output"2, Available disk HDD error output"2, Camera error out High-speed serial interface 1.5 Gbps (theoretic Terminal (Master or Slave), NTP (Ser User definable (using menu setup)	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inputuage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 al value) Only for WJ-HDE400 Extension Uver/Client)	
Other Functions	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror Summer Time Type	Alarm Alarm Control Error/ Warning	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32*1  Alarm input 8 - 16*1, 1x Alarm output*2, 1x / Emergency recording input*1, Power or recording mode switching*1, Power or Time adjustment input/output*4, 45 V Network error output*2, Available disk HDD error output*2, Camera error out High-speed serial interface 1.5 Gbps (theoretic Terminal (Master or Slave), NTP (Ser User definable (using menu setup) 1x 3.5 inch 500 GB Serial ATA HDD (Factory of 27 TB (with 5x WJ-HDE400 Extension Un	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inputuage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 al value) Only for WJ-HDE400 Extension Uver/Client)	
Other Functions	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror Summer Time Type Maximum Cap. RAID	Alarm Alarm Control Error/ Warning	4 Levels (Programmable)  User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32*1  Alarm input 8 - 16*1, 1x Alarm output*2, 1x / Emergency recording input*1, Power or recording mode switching*1, Power or recording mode switching*1, Power or Time adjustment input/output*4, +5 V Network error output*2, Awailable disk HDD error output*2, Awailable disk HDD error output*3, Camera error out High-speed serial interface 1.5 Gbps (theoretic Terminal (Master or Slave), NTP (Ser User definable (using menu setup) 1x 3.5 inch 500 GB Serial ATA HDD (Factory of 27 TB (with 5x WJ-HDE400 Extension Un RAID 5/6 supported	Host authentication (IP address),  65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inputuage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 al value) Only for WJ-HDE400 Extension Uver/Client)	
Other Functions	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror Summer Time Type Maximum Cap. RAID Partitioning	Alarm Alarm Control Error/ Warning	4 Levels (Programmable)  User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32*1  Alarm input 8 - 16*1, 1x Alarm output*2, 1x / Emergency recording input*1, Power of recording mode switching*1, Power of Time adjustment input/output*4, +5 V Network error output*2, Available disk HDD error output*2, Camera error out High-speed serial interface 1.5 Gbps (theoretic Terminal (Master or Slave), NTP (Ser User definable (using menu setup) 1x 3.5 inch 500 GB Serial ATA HDD (Factor) of 27 TB (with 5x WJ-HDE400 Extension Un RAID 5/6 supported Normal / Event / Pre-Event / Copy	Host authentication (IP address),  - 65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inpubutage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 ala value) Only for WJ-HDE400 Extension Uver/Client)  lefault), Up to 9x 500 GB HDDs can be instal sits, 9x 500 GB HDDs installed in each ut	
Other Functions HDD	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror Summer Time Type Maximum Cap RAID Partitioning Playback Cont	Alarm Alarm Control  Error/ Warning sization acity	4 Levels (Programmable) User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32"1  Alarm input 8 - 16"1, 1x Alarm output"2, 1x / Emergency recording input"1, Power or recording mode switching"1, Power or recording mode switching"1, Power or recording mode switching"1, Power or time adjustment input/output"4, +5 V Network error output"2, Available disk HDD error output"2, Camera error out high-speed serial interface 1.5 Gbps (theoretic Terminal (Master or Slave), NTP (Ser User definable (using menu setup) 1x 3.5 inch 500 GB Serial ATA HDD (Factor) of 27 TB (with 5x WJ-HDE400 Extension Un RAID 5/6 supported Normal / Event / Pre-Event / Copy Play, Rev Play, Pause, FF, REW, Prev Re	Host authentication (IP address),  - 65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inputuage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 al value) Only for WJ-HDE400 Extension Uver/Client)  lefault), Up to 9x 500 GB HDDs can be instal lits, 9x 500 GB HDDs installed in each urcord, Next Record, Prev Image, Next image.	
	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror Summer Time Type Maximum Cap. RAID Partitioning Playback Cont Additional Fun	Alarm Alarm Control  Error/ Warning nization acity	4 Levels (Programmable)  User - Camera (View only, View & Cc  User authentication (ID and password),  Alteration detection, HTTP Port No. (1  FTP Port No. (1 - 65,535 except for res  Alarm input 1 - 7, 17 - 32*1  Alarm input 8 - 16*1, 1x Alarm output*2, 1x /  Emergency recording input*1, Power or  recording mode switching*1, Power or  recording mode switching*1, Power or  Time adjustment input/output*4, 4-5 V  Network error output*2, Camera error out  High-speed serial interface 1.5 Gbps (theoretic  Terminal (Master or Slave), NTP (Ser  User definable (using menu setup)  1x 3.5 inch 500 GB Serial ATA HDD (Factory of  27 TB (with 5x WJ-HDE400 Extension Un  RAID 5/6 supported  Normal / Event / Pre-Event / Copy  Play, Rev Play, Pause, FF, REW, Prev Re  Alteration detection, Save as JPEG, 1	Host authentication (IP address),  - 65,535 except for reserved numbers served numbers)  Alarm reset input*1, 1x Alarm suspend inputuage detection input*1, External stage recovery completion output*3, output*5 space warning output*2, put*2, Error output*2 al value) Only for WJ-HDE400 Extension U ver/Client)  lefault), Up to 9x 500 GB HDDs can be install its, 9x 500 GB HDDs installed in each ur cord, Next Record, Prev Image, Next imatwo times zoom, Print	
Other Functions HDD	User level Partitioning Security Metho Alarm Connector (D-sub25pin) Alarm/Control Connector (D-sub25pin)  EXT Storage Time Synchror Summer Time Type Maximum Cap. RAID Partitioning Patylack Content Additional Fun. Supported OS,	Alarm Alarm Control  Error/ Warning nization acity rol ctions Language	4 Levels (Programmable)  User - Camera (View only, View & Cc User authentication (ID and password), Alteration detection, HTTP Port No. (1 FTP Port No. (1 - 65,535 except for res Alarm input 1 - 7, 17 - 32*1  Alarm input 8 - 16*1, 1x Alarm output*2, 1x, Emergency recording input*1, Power of recording mode switching*1, Power of recording mode switching*1, Power of Time adjustment input/output*2, 4x alarm HDD error output*2, Camera error out High-speed serial interface 1.5 Gbps (theoretic Terminal (Master or Slave), NTP (Ser User definable (using menu setup) 1x 3.5 inch 500 GB Serial ATA HDD (Factor of 27 TB (with 5x WJ-HDE400 Extension Un RAID 5/6 supported Normal / Event / Pre-Event / Copy Play, Rev Play, Pause, FF, REW, Prev Re Alteration detection, Save as JPEG, 1 Same as browser GUI, Language of 1	Host authentication (IP address),  - 65,535 except for reserved numbers served numbers)  Alarm reset input'1, 1x Alarm suspend inputates detection input'1, External utage recovery completion output'3, output'5 space warning output'2, put'2, Error output'2 al value) Only for WJ-HDE400 Extension Uver/Client)  lefault), Up to 9x 500 GB HDDs can be install its, 9x 500 GB HDDs installed in each utage.  Coord, Next Record, Prev Image, Next image wo times zoom, Print the software will be English	
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\*13. Non-voltage make contact,  $\pm$ 5 V pull-up 150  $\Omega$  \*2: Open collector output, 24 V max., 100 mA \*3: High ( $\pm$ 5 V  $_{-}$  +12 V, 6.3 mA maximum) \*4: 52 k $\Omega$ , 5 V pull-up,  $\pm$ 100 mA / make contact \*5: 200 mA at maximum

#### **Part Names and Functions**



#### **Appearance**



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  - All TV pictures are simulated.
  - · Weights and dimensions are approximate

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