Panasonic ideas for life

Network Disk Recorder

NTSC WJ-ND200K (120 V AC) PAL WJ-ND200K (220 ~ 240 V AC)



Network Disk Recorder with 2 removable HDD slots for digital image data from up to 16 Network Cameras

Key Features

- H.264, MPEG-4 and JPEG multi format
- Up to 16 network cameras can be connected and recorded.
- Various Recording Modes: Manual, Schedule, Event (Pre/Post), Emergency, External Timer
- Various alarm sources include 16x Terminal inputs, 16x Camera alarm, Panasonic Alarm Protocol. Flexible alarm actions include Alarm recording, E-mail notification, Alarm message, Camera positioning, FTP image transfer, Terminal output, Panasonic alarm protocol output, Buzzer and Indicator.
- Panasonic Camera Control: Pan/Tilt, Zoom, Focus, Brightness, Preset Position, Auto mode (depending on camera model).
- Audio from the i-PRO network cameras can be recorded and played back, G.726 (ADPCM) 32 kbps.
- Cameras may be assigned to one of the 4 groups to meet application requirements.
- Flexible Playback Controls: Goto Date (Jump to specific time/date), Goto Last (Jump to 5 s ~ 5 min. before the record end).
- Various Display Modes: Spot, Quad (4 patterns), Spot Sequence, Quad Sequence (Sequence: Live only).
- 4 Quad screens are fully programmable. Any of the 16 cameras can be assigned to any area of the Quad screens.
- Filtered Search: Time & Date, Event Type, Camera number, Text
- Recorded images can be downloaded to a PC.
- Downloadable viewer software allows playback of images downloaded from the Recorder.
- Built-in network interface (10Base-T / 100Base-TX) for recording and client access
- Quick IP Setup for Panasonic i-PRO series network cameras
- Bandwidth control: 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited
- Up to 4 clients can monitor image and control WJ-ND200 simultaneously.
- Image transfer to FTP server: Recorded image upon alarm and/or live image periodically
- Performance measurement function for appropriate recording frame rate setup
- SD memory recordings initiated by network failure in the **i-PRO** series cameras can be transferred automatically or manually to the recorder even when the recorder is in recording status.

- Up to 2 removable HDDs can be installed. (2.5 type Serial ATA HDD)
- The removable HDD can be connected to a PC via USB-SATA convertible cable and played back with provided HDD viewer software.
- Alarm notification by e-mail
- User/Host authentication, 4 user levels and User-Camera View/Control partitioning set up for sophisticated user management of up to 32 user registrations.
- Multi-recorder, Multi-site system can be made with optional WV-ASM100 i-PRO Management Software.
- RAID1 mirroring capability
- Vertical installation is possible with the optional WV-Q201 Vertical Stand.

Standard Accessories

Optional Accessories

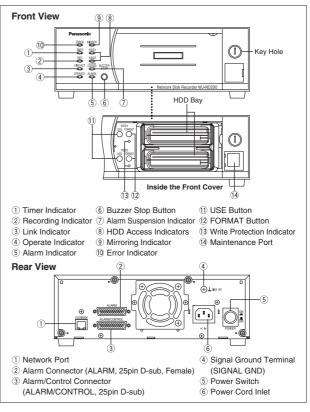


Specifications

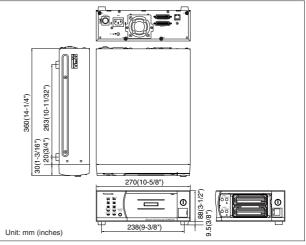
			NTSC PAL	
Supported			Panasonic i-PRO series Network cameras, BB series (specific models) and Axis® (specific models)	
Cameras	Supported Image Format			
[1,280 x 960, 960 x 720, 640 x 480, 320 x 240 (Depending on the camera	
	Supported Audio Format		G.726 (ADPCM) 32 kbps	
	Maximum Number of Cameras			
	Recording Mode		Manual, Event, Schedule, Emergency, External timer	
	Pre-alarm Recording		Up to 30 seconds	
	Scheduled Recording Mode			
D	Frame Rate/Camera Camera Control		Up to 30 ips (Depending on the Camera)	
	Camera Control		Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program	
GUI	REC/Playback Control		(up to 256), Auto mode, Click centering, Wheel zoom, Zoom reset REC, PLAY, Rev PLAY, Pause, Stop, FF, REW, Prev Record, Next Record,	
	on ayout oomiol		Prev Image, Next Image, Goto Date, Goto Last (5 s ~ 5 min.), Text display	
	Search Mode		Search criteria: Time date, Event type, Camera number, Text ON/OFF	
	Display Mode		4x Spot/Quad groups/Spot Sequence/Quad Sequence (Sequence: Live only	
	Camera Grouping		4 groups each with 16 characters title	
	Image Download		Recorded data of selected camera and time range can be	
	-		downloaded to a PC. Viewer software can be downloaded separately.	
	SD Memory Data		SD recording associated with network error in the i-PRO series cameras	
	Download		can automatically be transferred to the recorder.	
	Camera Title		On the browser, Up to 16 characters	
	Clock Display		On the browser. Time: 12H/24H, Date: 3 formats (YY.MM.DD, MMM.DD.YY, DD.MMM.YY	
	Alarm Control		Reset, Suspend	
-	Digital Zoom		Up to 4 times, Mouse wheel control supported	
	Text Attachment		Free comment can be attached for each record and reviewed at later time. Up to 200 character	
	System Logs		Operator access (100), Network error (1,000), Error (100), Event (750)	
	System Setup		Setup page in English, French, Italian, Spanish, German, Russian, Chinese, Japanese	
	Time Synchronization Summer Time		Terminal (Master or Slave), NTP (Client) User definable (using menu setup)	
	GUI Language		English, French, Italian, Spanish, German, Russian, Chinese, Japanese	
	GUI Language Supported OS		Microsoft [®] Windows [®] 7 Professional 64 bit/32 bit & Windows [®] Internet Explorer [®] 8.0 32 bit	
	and Browser		Microsoft [®] Windows Vista [®] 32 bit SP1 & Windows [®] Internet Explorer [®] 7.0	
	Combination		Microsoft® Windows® XP Home/Professional SP3 & Windows® Internet Explorer® 6.	
			The language of OS must be the same as selected GUI language.	
	Required	JPEG/	CPU: Intel [®] Pentium [®] 4 3.0 GHz or faster, RAM: 1 GB or more,	
	PC	MPEG-4	VRAM: 128 MB or more (Min. 64 MB), Microsoft® DirectX® 9.0c or later	
		H.264	CPU: Intel [®] Core [™] i7-920 or faster, RAM: 3 GB or more,	
			VRAM: 128 MB or more (Min. 64 MB), Microsoft® DirectX® 9.0c or later	
	Alarm Source		16 x Terminal inputs, 16 x Camera alarms, Panasonic Alarm Protocol	
Event	Alarm Action		Alarm recording, e-mail notification, Alarm message, Camera positioning, FTP	
			image transfer, Terminal output, Panasonic alarm protocol output, Buzzer, Indicato	
1	Alarm Control		Reset, Suspend	
	Event Log	200	750 logs	
	Event Log Network Interfa		10Base-T/100Base-TX (RJ-45)	
	Event Log Network Interfa Maintenance P	ort	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45)	
	Event Log Network Interfa Maintenance P Maximum Ban	ort d Width	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps	
	Event Log Network Interfa Maintenance P	Port d Width htrol	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45)	
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Network	Event Log Network Interfa Maintenance F Maximum Bann Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Registrati User Level Partitioning	ort d Width htrol tocol a Time	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimiter TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTI Upon Alarm or Warning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access)	
Network	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Level Partitioning Security Metho	d Width htrol tocol a a Time	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimiter TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTI Upon Alarm or Warning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection	
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Network External	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Registrati User Level Partitioning Security Methor Alarm Connector (25pin D-sub)	d Width htrol tocol a a Time on d Alarm	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Warning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻²	
Network External	Event Log Network Interfa Maintenance P Maximum Bann Bandwidth Cor Supported Pro E-mail No. of Client Pro FTP Client User Registrati User Level Partitioning Security Metho Alarm Connector (25pin D-sub) Alarm/Control	d Width htrol tocol a Time on d Alarm Alarm	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Warning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻² , Alarm suspension input ⁺¹ , Alarm reset input ⁺¹	
Network External	Event Log Network Interfe Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Registrati User Level Partitioning Security Metho Alarm Connector (25pin D-sub) Alarm/Control Connector	d Width htrol tocol a a Time on d Alarm	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Warning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻² , Alarm suspension input ⁻¹ , Alarm reset input ⁺¹ Emergency recording input ⁺¹ , Power outage detection input ⁺¹ , External recording mode switching ⁺¹	
Network External	Event Log Network Interfa Maintenance P Maximum Bann Bandwidth Cor Supported Pro E-mail No. of Client Pro FTP Client User Registrati User Level Partitioning Security Metho Alarm Connector (25pin D-sub) Alarm/Control	d Width htrol tocol a Time on Alarm Control	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 2k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻¹² , Alarm suspension input ⁺¹ , Alarm reset input ⁺¹ Power outage recovery completion output ⁺³ , Time adjustment input/output ⁴ , +5 V output ⁵	
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External Interface	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Level Partitioning Security Metho Alarm Control Connector (25pin D-sub) Type	ort d Width htrol tocol a Time on Alarm Control Error/	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm output 8 ~ 16 ⁻² , Alarm suspension input ¹¹ , Alarm reset input ¹¹ Emergency recording input ¹¹ , Power outage detection input ¹¹ , External recording mode switching ¹¹ Power outage recovery completion output ¹³ . Time adjustment input/output ¹⁴ , +5 V output ¹⁵ . Network error output ¹² , Available disk space warming output ¹² , HDD error output ¹² , Camera error output ¹² , Up to 2 removable HDDs (2.5 type Serial ATA HDD)	
External Interface	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Registrati User Level Partitioning Security Metho Alarm Connector (25pin D-sub) Alarm/Control Connector (25pin D-sub)	ort d Width trool tocol a a Time on Alarm Control Error/ Warning	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻¹ 2, Alarm suspension input ⁻¹ , Alarm reset input ⁺¹ Remegnety recording input ⁻¹ , Power outage detection input ⁻¹ , External recording mode switching ⁻¹ Power outage recovery completion output ⁻² , Time adjustment input/output ⁺⁴ , +5 V output ⁺² Network error output ⁺² , Available disk space warning output ⁺² , HDD error output ⁺² , Camera error output ⁺² , Error output ⁺² Up to 2 removable HDDs (2.5 type Serial ATA HDD) RAID1 Mirroring mode supported	
External Interface	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Level Partitioning Security Metho Alarm Control Connector (25pin D-sub) Type	d Width d Width htrol a Time on d Alarm Control Error/ Warning	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻² , Alarm suspension input ⁻¹ , Alarm reset input ⁺¹ Emergency recording input ⁺¹ , Power outage detection input ⁺¹ , External recording mode switching ⁺ Power outage recovery completion output ⁺³ . Time adjustment input/output ⁺² , +5 V output ⁺³ Network error output ⁺² , Camera error output ⁺² , Error output ⁺² HDD error output ⁺² , Camera error output ⁺² , Error output ⁺² HDD error output ⁺² , Camera error output ⁺² , Error output ⁺² HAID1 Mirroring mode supported Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image	
External Interface	Event Log Network Interfe Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Registrati User Level Partitioning Security Metho Alarn Connector (25pin D-sub) Alarn/Control Connector (25pin D-sub) Type RAID Playback Cont	d Width d Width htrol a Time on d Alarm Control Error/ Warning	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimiter TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTI Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻² , Alarm suspension input ⁻¹ , Alarm reset input ⁻¹ Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , External recording mode switching ⁻¹ Power outage recovery completion output ⁻² , Time adjustment inpul/output ⁺² , +5 V output ⁻² HDD error output ⁻² , Camera error output ⁻² , Error output ⁺² Up to 2 removable HDDs (2.5 type Serial ATA HDD) RAID1 Mirroring mode supported	
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External Interface	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Level Partitioning Security Metho Alarm Control Connector (25pin D-sub) Alarm/Control Connector (25pin D-sub) Type RAID Playback Cont Additional Fun	ort d Width htrol a Time on Alarm Control Error/ Warning	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimiter TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTI Upon alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm suspension input ⁻¹ , Alarm reset input ⁻¹ Alarm output 8 ~ 16 ⁻² , Alarm suspension input ⁻¹ , Lernal recording mode switching ¹ Power outage recovery completion output ⁻³ , Time adjustment input/output ⁴ , +5 V output ⁴ Network error output ¹² , Available disk space warning output ² , HDD error output ¹² , Camera error output ¹² , Error output ¹² , HDD error output ²² , Camera error output ¹² , Error output ¹² , HDD Imiroring mode supported Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software is English.	
External Interface HDD Viewer Software	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Registrati User Level Partitioning Security Metho Alarm Connector (25pin D-sub) Alarm/Control Alarm/Control Connector (25pin D-sub) Type RAID Playback Cont Additional Fum Supported OS	ort d Width ttrol tocol a Time on d Alarm Control Error/ Warning rol ctions	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻² , Alarm suspension input ⁻¹ , Alarm reset input ⁻¹ Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , External recording mode switching ¹ Power outage recovery completion output ⁻³ . Time adjustment input/output ⁴⁴ , +5 V output ⁴⁵ Network error output ²² , Available disk space warning output ⁴² , HDD error output ²² , Camera error output ⁴² , Error output ⁴² Up to 2 removable HDDs (2.5 type Serial ATA HDD) RAID1 Mirroring mode supported Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software is English. Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image	
External Interface HDD Viewer Software	Event Log Network Interfe Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Registrati User Level Partitioning Security Metho Alarn Connector (25pin D-sub) Alarn/Control Connector (25pin D-sub) Type RAID Playback Cont Additional Fun Supported OS	ort d Width ttrol tocol a Time on d Alarm Control Error/ Warning rol ctions	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16 ⁻¹ , Alarm output 1 ~ 7 ⁻² Alarm output 8 ~ 16 ⁻² , Alarm suspension input ⁻¹ , Alarm reset input ⁻¹ Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , External recording mode switching ¹ Power outage recovery completion output ⁻³ . Time adjustment input/output ⁴⁴ , +5 V output ⁴⁵ Network error output ²² , Available disk space warning output ⁴² , HDD error output ²² , Camera error output ⁴² , Error output ⁴² Up to 2 removable HDDs (2.5 type Serial ATA HDD) RAID1 Mirroring mode supported Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software is English. Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image	
Network External Interface HDD Viewer Software Software	Event Log Network Interfa Maintenance P Maximum Ban Bandwidth Cor Supported Pro E-mail No. of Client at FTP Client User Level Partitioning Security Metho Alarm Control Connector (25pin D-sub) Type RAID Playback Cont Additional Fun Supported OS	ort d Width ttrol tocol a Time on d Alarm Control Error/ Warning rol ctions	10Base-T/100Base-TX (RJ-45) 10Base-T (RJ-45) Total 48 Mbps 32 k / 64 k / 128 k / 256 k / 512 k / 1,024 k / 2 M / 5 M / 10 M (bps) and unlimited TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTF Upon Alarm or Varning 4 Upon alarm or Periodic transfer Up to 32 users 4 Levels (Programmable) User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm input 1 ~ 16'1, Alarm output 1 ~ 7'2 Alarm output 8 ~ 16'2, Alarm suspension input'1, Alarm reset input'1 Emergency recording input'1, Power outage detection input'1, Alarm reset input'1 Emergency recording input'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 HDD error output'2, Camera error output'2, Error output'2 HDD error output'2, Camera error output'2, Error output'2 HDD HalD Mirroring mode supported Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software is English. Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Image Search (Time date, Event type, Camera number), Save as JPEG, Print, HDD Check	

TV System	1	NTSC	PAL	
General	Safety/EMC Standard	UL (6500), FCC (Part15 ClassA),	CE (EN60065, EN55022 ClassB,	
Specifications		C-UL (E60065), DOC (ICES003 ClassA)	EN55024), GOST (GOST R 51558)	
	Power Source	120 V AC, 60 Hz	220 ~ 240 V AC, 50 Hz	
	Power Consumption	approx. 35 W		
	Ambient Operating Temperature	+5 °C ~ +45 °C (41 °F ~ 113 °F)		
	Ambient Operating Humidity	5 % ~ 90 % (without condensation)		
	Maximum Operating Altitude	2,000 m (6,500 feet) above sea level		
	Dimensions	270 mm (W) x 88 mm (H) x 360 mm (D)		
		(10-5/8"(W) x 3-1/2"(H) x 14-1/4"(D)) (excluding rubber feet and projections)		
	Mass	4.7 kg (10.3 lbs.)		
		ill-up 150 Ω *2: Open collecto : 52 kΩ, 5 V pull-up, –100 mA / mal		

Part Names and Functions



Appearance



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Important

- Safety Precaution: carefully read the operating instructions and installation manual before using this product.

- Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.

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· All TV pictures are simulated.

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- Specifications are subject to change without notice. . These products may be subject to export control regulations.
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