Panasonic ideas for life

Network Disk Recorder

NTSC WJ-ND300A (120V AC) PAL WJ-ND300A (220V ~ 240V AC)





MPEG-4 JPEG

Network Disk Recorder with expandable capacity for digital image data from up to 32 Network Cameras

Key Features

- MPEG-4 and JPEG multi format.
- Up to 32 network cameras can be connected and recorded.
- Various Recording Mode: Manual, Schedule, Event (Pre/Post), Emergency, External Timer.
- Various alarm sources such as 16x Terminal inputs, 16x Camera alarms, Panasonic Alarm Protocol, and flexible alarm actions such as Alarm recording, E-mail notification, Alarm message, Camera positioning, FTP image transfer, Terminal output, Panasonic alarm protocol output, Buzzer and LED.
- Panasonic Camera control: Pan/Tilt, Zoom, Focus, Brightness, Preset Position, Auto mode (depending on Camera model).
- Cameras may be assigned to one of the eight groups to meet application requirements.
- Flexible Playback Controls: A-B Repeat, Goto Date (Jump to specific time/date), Goto Last (Jump to 5 sec. ~ 5 min. before the record end).
- Various display mode: Spot, Quad (8 patterns), Spot Sequence, Quad Sequence.
- Eight Quad screens are fully programmable. Any of the 32 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.
- Two setup modes available, Quick/Advanced at users' preference.
- Two built-in network interfaces (10Base-T / 100Base-TX) for camera access and client access. Operation by one port is also possible.
- 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 8 clients can monitor images and control WJ-ND300A simultaneously.
- Image transfer to FTP server: Recorded image upon alarm and/or live image periodically.
- Performance measurement function for appropriate recording frame rate setup.

- Images recorded on the SD memory card in the **i-Pro** series cameras can be downloaded to the recorder manually. In addition, recordings upon network failure can be transferred automatically when the recorder is in non-recording status.
- 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-AS65 or WV-ASM100 management software.
- Front panel LCD screen for status display.
- HDD capacity is expandable with four HDD bays in the main unit and up to six WJ-HDE300 optional Extension Units each with four bays.
- Disk partitioning for flexible record management: Normal, Event, Copy
- HDD Safety Mode to protect HDDs during the installation of WJ-ND300A.
- RAID5 capability with optional WJ-NDB301 RAID5 Board.

Standard Accessories

CD-ROM [*] 1 pc. Installation Guide1 pc.	 Rack Mount Bracket Fixing Screw 4 pcs. Hard Disk Drive Fixing Screw 		
The following are for installation:	(w/sleeve and damper) 12 pcs.		
Power Cord (NTSC model)	* The CD-ROM contains the operating instructions (PDFs) and the setup tools (Raassonic IR setup software, etc.)		

- - скет 2 рсз.

Optional Accessories



Extension Unit **WJ-HDE300** (4 drive bays for optional HDD units)



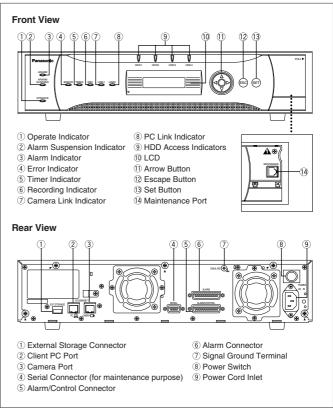
Specifications

	m		NTSC PAL	
	Supported Ca	ameras	Panasonic i-Pro series Network cameras. (Contact Panasonic for BB series and Axis camera	
Cameras	Supported Ima		MPEG-4 (Specific cameras), JPEG, M-JPEG	
	Supported Image Resolution		1,280 x 960, 960 x 720, 640 x 480, 320 x 240 (Depending on the camer	
-	Maximum Numbe			
Deserding				
Recording	Recording Mode		Manual recording, Scheduled recording, Emergency recording	
			External timer recording, Event recording	
	Pre-alarm Recording		Up to 60 minutes. Dedicated HDD for Pre-alarm is required	
	Scheduled Recording Mode Frame Rate/Camera	4 programs, 6 time zones/day, Independent setup for each day of the weel		
		Up to 30 ips (Depending on the camera and Network)		
Browser	Camera Control		Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mod	
GUI	REC/Playback Control		REC, PLAY, Rev PLAY, Pause, Stop, FF, REW, Prev Record, Next Record, Prev Imag	
			Next Image, A-B Repeat, Goto Date, Goto Last (5 sec. ~ 5 min.), Text display.	
	Search Mode		Search criteria: Time date, Event type, Camera number, Text ON/OF	
	Display Mode		Spot/Quad (8 patternes)/Spot Sequence/Quad Sequence (Live, Playbac	
	Camera Grouping		8 groups each with 16 characters title.	
	Image Download		Recorded data of selected camera and time range (up to 20 min.) can b	
			downloaded to a PC. Viewer software can be downloaded separately.	
	SD Memory		Image data in the SD memory installed in the selected camera	
	Data Downloa	he	can be transferred to the recorder.	
	Copy Camera Title			
			Recorded data of selected cameras and time date range can be copied to the COPY partition	
			On the browser, Up to 16 Characters.	
Clock Display		4	On the browser. Time: 12H/24H, Date: 3 formats	
	Alarm Control		Reset, Suspend	
	Digital Zoom		Up to 4 times	
	Text Attachment		Free comment can be attached for each record and	
	I EAL AUDUITIENT		reviewed at later time. Up to 200 characters	
-	Quatam I		-	
	System Log		Operator access (100), Network error (1,000), Error (100), Event (75	
ļ	Time Synchronization		Terminal (Master or Slave), NTP (Client)	
	Summer Time	е	User definable (using menu setup)	
	GUI / System Se	etup Language	English, French, Italian, Spanish, German, Russian, Chinese, Japanes	
	Supported O	S	Windows [®] 2000 Professional SP4, Windows [®] XP Home/	
			Professional SP2 English, German, French, Italian, Spanish.	
	Supported B	roweer	Internet Explorer 6.0 SP1,SP2	
Alarm/	Supported Browser		· · · · · · · · · · · · · · · · · · ·	
-	Alarm Source		16 x Terminal inputs, 16 x Camera alarms, Panasonic Alarm Protoc	
Event	Event Mode		Alarm/Activity/OFF	
	Alarm Action		Alarm recording, E-mail notification, Alarm message, Camera positioning,	
-			FTP image transfer, Terminal output, Panasonic alarm protocol output, Buzzer, Li	
	Alarm Control		Reset, Suspend	
	Event Log		750	
Network	Network Inter	rface	Camera port: 10Base-T/100Base-TX (RJ-45) Client port: 10Base-T/100Base-TX (RJ-4	
			Maintenance port: 10Base-T (RJ-45)	
	Maximum Band Width		Total 97 Mbps	
			-	
	Bandwidth Control (Client Port)			
	Supported Protocol		TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, R	
	Email		Upon Alarm or Warning	
	No. of Client at a Time		8	
		ation	Up to 32 users	
	User Registra			
	User Registra		4 Levels (Programmable)	
	User Registra User Level		4 Levels (Programmable)	
	User Registra User Level Partitioning	bod	User - Camera (View only, View & Control, No Access)	
	User Registra User Level	hod	User - Camera (View only, View & Control, No Access) User authentication (ID and Password),	
	User Registra User Level Partitioning Security Meth		User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection	
External	User Registra User Level Partitioning		User - Camera (View only, View & Control, No Access) User authentication (ID and Password),	
	User Registra User Level Partitioning Security Meth		User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection	
	User Registra User Level Partitioning Security Meth Alarm Connector		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	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/	Alarm Alarm	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 inpu	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control	Alarm	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 inpu Emergency recording input ⁻¹ , Power outage detection input ⁻¹ ,	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector	Alarm Alarm Control	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 inpu Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , External recording mode switching ⁻¹ , Power outage recovery completion output ⁻¹	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control	Alarm Alarm Control	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 inpu Emergency recording input ⁻¹ , Power outage detection input ¹ , Extemal recording mode switching ⁻¹ , Power outage recovery completion output ¹ Time adjustment input/output ¹⁴ , +5 V output ⁻⁵	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector	Alarm Alarm Control Error/	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 inpu Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , External recording mode switching ⁻¹ , Power outage recovery completion output ⁻¹ Time adjustment input/output ⁺⁴ , +5 V output ⁺⁵ Network error output ⁻² , Available disk space warning output ⁺² ,	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub)	Alarm Alarm Control	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 inpu Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output' Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector	Alarm Alarm Control Error/	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 Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output'3 Time adjustment input/output'4, +5 V output'5 Network error output'2, Camera error output'2, Error output'2 HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U	
	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub)	Alarm Alarm Control Error/	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 inpu Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output' Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2	
Interface	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage	Alarm Alarm Control Error/	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 Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output'3 Time adjustment input/output'4, +5 V output'5 Network error output'2, Camera error output'2, Error output'2 HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U	
Interface	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C	Alarm Alarm Control Error/	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 output 1 ~ 7'2 Alarm output 8 ~ 16'2 Alarm output 8 ~ 16'2 Alarm suspension input'1, Alarm reset input Emergency recording input'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage recovery completion output' Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for Wi-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default),	
Interface	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type	Alarm Alarm Control Error/ Warning	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 inpu Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , Extemal recording mode switching ⁻¹ , Power outage detection unput ⁻¹ , External recording mode switching ⁻¹ , Power outage detection unput ⁻¹ , External recording mode switching ⁻¹ , Power outage recovery completion output ⁻¹ Time adjustment input/out ⁻⁴ , +5 V output ⁺⁵ Network error output ⁻² , Available disk space warning output ⁻² , HDD error output ⁻² , Camera error output ⁻² , Error output ⁻² High-speed serial interface 480 Mps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta	
Interface	User Registra User Level Partitioning Security Mett Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca	Alarm Alarm Control Error/ Warning	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 inpu Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for dete 14 TB (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un	
Interface	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID	Alarm Alarm Control Error/ Warning	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 output 8 ~ 16'2 Emergency recording input'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage detection input'1, Time adjustment input/out'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-IDE300 Extension U For servicing purpose only. 1 x 3:5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14TB (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board)	
HDD	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning	Alarm Alarm Control Error/ Warning	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 output 8 ~ 16'2 Alarm suspension input'1, Alarm reset input Emergency recording input'1, Power outage detection input'1, Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Available disk space warning output'2 High-speed serial interface 480 Mbps (theoretical value) for WI-IHDE300 Extension U for servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for detil 14 TB (with 6 x WJ-IHDE300 Extension Units, 4 x 500 GB HDDs installed in each ur RAIDS supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy	
Interface HDD	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Con	Alarm Alarm Control Error/ Warning upacity	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 Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage detection output Time adjustment input/output'4, +S V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with & WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima	
Interface HDD	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Cor Additional Fu	Alarm Alarm Control Error/ Warning pacity ntrol inctions	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 Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , Extemal recording mode switching ⁻¹ , Power outage detection unput ⁻¹ , External recording mode switching ⁻¹ , Power outage detection unput ⁻¹ , External recording mode switching ⁻¹ , Power outage recovery completion output Time adjustment input/out ⁻⁴ , +5 V output ⁻⁵ Network error output ⁻² , Available disk space varning output ⁻² , HDD error output ⁻² , Camera error output ⁻² , Error output ⁻² High-speed serial interface 480 Mps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAIDS supported (with WJ-NDB301 RAIDS Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print	
HDD Viewer	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Con	Alarm Alarm Control Error/ Warning pacity ntrol inctions	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 Emergency recording input ⁻¹ , Power outage detection input ⁻¹ , Extemal recording mode switching ⁻¹ , Power outage detection unput ⁻¹ , External recording mode switching ⁻¹ , Power outage detection unput ⁻¹ , External recording mode switching ⁻¹ , Power outage recovery completion output Time adjustment input/out ⁻⁴ , +5 V output ⁻⁵ Network error output ⁻² , Available disk space varning output ⁻² , HDD error output ⁻² , Camera error output ⁻² , Error output ⁻² High-speed serial interface 480 Mps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAIDS supported (with WJ-NDB301 RAIDS Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print	
HDD Viewer Software	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Con Playback Con	Alarm Alarm Control Error/ Warning upacity ntrol inctions S, Language	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 output 8 ~ 16'2 Emergency recording input'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage detection input'1, Time adjustment input/out'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Available disk space warning output'2, Hgh-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3:5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 11TB (with 6 x WJ-HDE300 Extension Ulins, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Pavase, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englis	
Interface HDD Viewer Software Admin Software	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Con Playback Con	Alarm Alarm Control Error/ Warning upacity ntrol inctions S, Language S, Language	User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host 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 inpu Emergency recording input'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage recovery completion output'2, Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for VI-IDE300 Extension UI For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for dete 14 TB (with 6 x WJ-IDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-INDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englis	
HDD Viewer Software Admin Software Quick IP Setup	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Platitioning Playback Con Additional Fu Supported OS Supported OS	Alarm Alarm Control Error/ Warning upacity ntrol inctions S, Language S, Language	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 inpu Emergency recording input'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage detection input'1, Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2 High-speed serial interface 480 Mbps (theoretical value) for VI-IDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for dete 14 TB (with 6 x WJ-IDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-INDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englis	
Interface HDD Viewer Software Admin Software Quick IP Setup Software	User Registra User Registra Viser Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Cor Additional Fu Supported OS Supported OS Language	Alarm Alarm Control Error/ Warning pacity ntrol inctions S, Language S, Language	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 Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englit Same as browser GUI, Language of the software will be Englit Same as browser GUI, Language of the software will be Englit	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Platitioning Playback Con Additional Fu Supported OS Supported OS	Alarm Alarm Control Error/ Warning pacity ntrol inctions S, Language S, Language	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 inpu Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, Time adjustment input/out'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 1 H3 (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same Same Commentation Same	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Control Control Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Con Playback Con Supported OS Supported OS Supported OS Supported OS Supported OS	Alarm Alarm Control Error/ Warning upacity ntrol inctions 3, Language S, Language S, Standard	User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host 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 output 8 ~ 16'2 Alarm output 8 ~ 16'2 Alarm suspension input'1, Alarm reset input Emergency recording input'1, Power outage detection input'1, Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Available disk space warning output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for dete 14 TB (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each ur RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Imag. Next Imag. Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will b	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Registra Viser Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Cor Additional Fu Supported OS Supported OS Language	Alarm Alarm Control Error/ Warning upacity ntrol inctions 3, Language S, Language S, Standard	User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host 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 output 8 ~ 16'2 Alarm output 1 ~ 7'2 Alarm output 8 ~ 16'2 Alarm output 1 ~ 7'2 Alarm output 8 ~ 16'2 Alarm output 4 ~ 50 output5' Network error output2', Available disk space warning output2', HDD error output2', Camera error output2', Error output2' High-speed serial Interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U for servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Al	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Control Control Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Con Playback Con Supported OS Supported OS Supported OS Supported OS Supported OS	Alarm Alarm Control Error/ Warning upacity ntrol s, Language S, Language S, Standard e	User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host 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 output 8 ~ 16'2 Alarm output 1 ~ 7'2 Alarm output 8 ~ 16'2 Alarm suspension input'1, Alarm reset input Emergency recording input'1, Power outage detection input'1, Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WI-IDE300 Extension U for servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with 6 x WJ-IDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-INDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Imag. Next Imag. Next Imag. Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will b	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Playback Con Additional Fu Supported OS Supported OS Supported OS Supported OS Supported OS Supported OS Supported OS Supported OS Supported OS	Alarm Alarm Control Error/ Warning pacity ntrol notions S, Language S, Language S, Language S, S Standard e umption	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 Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output'1 Time adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U for servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with & WJ-HDE300 Extension Units, 4 x 500 GB HDDs Installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englis	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Registra User Level Partitioning Security Mett Alarm Connector (25pin D-sub) Alarm/ Control Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Cor Additional Fu Supported OS Supported OS Supported OS Supported OS Supported OS Supported OS Supported OS Supported CS Supported CS Sup	Alarm Alarm Control Error/ Warning pacity ntrol nctions S, Language S, Language S, Standard e mmption g Temperature	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 inpu Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, Time adjustment input/out'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WJ-HDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 1 H3 (with 6 x WJ-HDE300 Extension Units, 4 x 500 GB HDDs installed in each un RAID5 supported (with WJ-NDB301 RAID5 Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software software will be Englis Same as browser GUI (ES0003 ClassA) I (CE (E00055, DCC (CE0003 ClassA) I (D V AC, 60 HZ 2 2	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Registra User Level Partitioning Security Mett Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RS-232C Type Maximum Ca RS-232C Type Maximum Ca RS-232C Type Supported OS Supported OS Supporte	Alarm Alarm Control Error/ Warning upacity ntrol nctions S, Language S, Language S, Standard e umption ig Temperature ting Humidity	User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm unput 1 ~ 16'1, Alarm output 1 ~ 7'2 Alarm output 8 ~ 16'2 Alarm suspension input'1, Alarm reset input Emergency recording input'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage recovery completion output'2, HDD error output'2, Available disk space warning output'2, Hgh-speed serial interface 480 Mbps (theoretical value) for VI-IDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with 6 x WJ-HDE300 Extension U Informat/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Sa	
External Interface HDD Viewer Software Quick IP Setup Software General Specifications	User Registra User Level Partitioning Security Meth Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RAID Partitioning Playback Con Additional Fu Supported OS Supported OS Anguage Safety/EMC S	Alarm Alarm Control Error/ Warning upacity ntrol nctions S, Language S, Language S, Standard e umption ig Temperature ting Humidity	User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm output 1 ~ 16'1, Alarm output 1 ~ 7'2 Alarm output 8 ~ 16'2 Alarm suspension input'1, Alarm reset input Emergency recording input'1, Power outage detection input'1, External recording mode switching'1, Power outage detection input'1, External recording mode switching'1, Power outage recovery completion output'2, Ime adjustment input/output'4, +5 V output'5 Network error output'2, Available disk space warning output'2, HDD error output'2, Camera error output'2, Error output'2 High-speed serial interface 480 Mbps (theoretical value) for WI-IDE300 Extension UF For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for detat 14 TB (with & WJ-NDB301 RAIDS Board) Normal/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoorm, Print Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language of the software will be Englits Same as browser GUI, Language o	
Interface HDD Viewer Software Admin Software Quick IP Setup Software General	User Registra User Registra User Level Partitioning Security Mett Alarm Connector (25pin D-sub) Alarm/ Control Connector (25pin D-sub) EXT Strage RS-232C Type Maximum Ca RS-232C Type Maximum Ca RS-232C Type Maximum Ca RS-232C Type Supported OS Supported OS Supporte	Alarm Alarm Control Error/ Warning upacity ntrol nctions S, Language S, Language S, Standard e umption ig Temperature ting Humidity	User - Camera (View only, View & Control, No Access) User authentication (ID and Password), Host authentication (IP address), Alteration detection Alarm unput 1 ~ 16'1, Alarm output 1 ~ 7'2 Alarm output 8 ~ 16'2 Alarm suspension input'1, Alarm reset input Emergency recording input'1, Power outage detection input'1, Extemal recording mode switching'1, Power outage recovery completion output'2, HDD error output'2, Available disk space warning output'2, Hgh-speed serial interface 480 Mbps (theoretical value) for VI-IDE300 Extension U For servicing purpose only. 1 x 3.5-type 250 GB HDD (Factory default), Up to 4 x 500 GB HDDs can be installed. (Contact Panasonic for deta 14 TB (with 6 x WJ-HDE300 Extension U Informat/Event/Copy Play, Rev Play, Pause, FF, REW, Prev Record, Next Record, Prev Image, Next Ima Alteration detection, Save as JPEG, Two times zoom, Print Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Same as browser GUI, Language of the software will be Englis Sa	

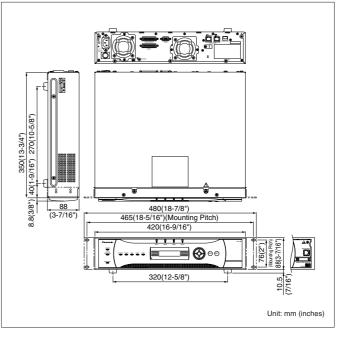
*1: Non-voltage make contact, –100 mA, +5 V pull-up *2: Open collector output, 24 V max., 100 mA *3: High (+5 V ~ +12 V, 6.3 mA maximum) *4: 52 k\Omega, 5 V pull-up, –100 mA/make contact *5: 200 mA at maximum

DISTRIBUTED BY:

Major Operating Controls & Terminals



Appearance



Trademarks and registered trademarks

Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
 SD logo is a trademark.

Axis is a registered trademark of Axis Communications AB.

- Safety Precaution: carefully read the operating instructions and installation manual beforeusing this product. - Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.

- All TV pictures/menu are simulated.
- Weights and dimensions are approximate.
 Specifications are subject to change without notice.
- These products may be subject to export control regulations. Product pictures shown in this catalog are all NTSC models.

