

WJ-NT314

4CH MPEG-4/JPEG Video Encoder

WJ-NT304

NTSC WJ-NT314 (12 V DC, 120 V AC adapter attached) **PAL** WJ-NT314 (12 V DC, 220 ~ 240 V AC adapter attached)
 WJ-NT304 (12 V DC, 120 V AC adapter attached) WJ-NT304 (12 V DC, 220 ~ 240 V AC adapter attached)



4CH MPEG-4/JPEG dual streaming Video Encoder featuring 2CH Video Analytic (WJ-NT314)

Key Features

- Up to 4 analog cameras can be connected.
- MPEG-4/JPEG digital signal output at VGA image size with up to 30 ips
- MPEG-4 and JPEG dual stream output for simultaneous real time monitoring and high resolution recording
- Progressive output allows every frame to be clear even when the subject is moving.
- Video Analytic (WJ-NT314 only): 8 detection programs, each with 3 intruder detection areas and 1 object abandonment/removal detection area. Up to 8 detected objects per channel can be traced. Depth correction allows more accurate detection when the scene includes deeper depth.
- Panasonic Camera Control: Pan / Tilt / Zoom / Focus / Iris / Preset position (up to 256), Auto mode, Setup menu. AUX, B/W ON/OFF/ Auto, Click centering
- Unit title display: Up to 20 alphanumeric characters on browser
- Camera title display: Up to 20 alphanumeric characters on browser
- SD memory card slot for alarm recording and backup upon network failure. Recorded data can be downloaded by using FTP command.
- Alarm sources including 2x AVMD (WJ-NT314 only), 4x Terminal inputs, 4x Camera alarms, 4x Video loss alarms and Panasonic alarm protocol can trigger actions including SD memory recording/FTP image transfer, E-mail notification, Alarm indication, Terminal output and Panasonic protocol output.
- Bi-directional audio (1CH)
- Built-in network interface (10Base-T / 100Base-TX)
- Multiscreen: Images from 16 cameras can be displayed in 4 separate Quad screens (JPEG only). 20 characters camera title is available for each camera.

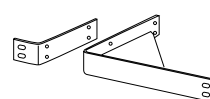
- Alarm e-mail notification
- Max. bit rate/client for MPEG-4 (64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 kbps) combined with Total bit rate control (64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 / 8,192 / 16,384 kbps / Unlimited) allowing flexible network management.
- Supported protocol: TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, RTP and SNMP
- Multi-language capable by localization
- FTP client function enables periodic image data transfer or transfer upon alarm.

Standard Accessories

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|--------------------------------|-------|---------------------------------|--------|
| • Operating Instructions | 1 pc. | • Power cord (NTSC model) | 1 pc. |
| • CD-ROM* | 1 pc. | • Power cord (PAL model) | 2 pcs. |
- The followings are for installation.
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|--------------------|-------|--|
| • AC adapter | 1 pc. | * The CD-ROM contains the operating instructions (PDFs) and the setup tools (Panasonic IP setup software, etc.). |
| • Code label | 1 pc. | |

Optional Accessories

EIA19 inch Rack Mount Bracket
WV-Q204/1S
 (for mounting one WJ-NT314/NT304)



EIA19 inch Rack Mount Bracket
WV-Q204/2S
 (for mounting two WJ-NT314/NT304)



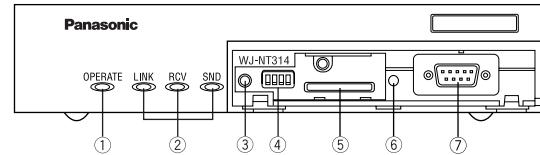
Specifications

TV System		NTSC	PAL	
Audio / Video IF	Video Inputs	4x 1.0 V [p-p] / 75 Ω NTSC composite video inputs (BNC) Multiplexed control data and cable compensation compatible: 1 - 4 CH	4x 1.0 V [p-p] / 75 Ω PAL composite video inputs (BNC) Multiplexed control data and cable compensation compatible: 1 - 4 CH	
	Video Loop Through Output	Active loop through outputs: 1 - 4 CH		
	Audio Input	1x -10 dBV, 10 KΩ, Unbalanced, RCA		
	Audio Output	1x -10 dBV, 600 Ω Unbalanced, RCA		
Audio / Video Format	Image Resolution	JPEG: VGA (640 x 480) / QVGA (320 x 240), MPEG-4: VGA (640 x 480) / QVGA (320 x 240)		
	Image Compression	MPEG-4: Image quality: 3 steps, Transmission type: UNICAST/MULTICAST JPEG: Image quality: 10 steps, Transmission type: PULL/PUSH		
	Image Refresh Rate	0.1 ips ~ 30 ips (30 ips is performed with input from one camera. Frame rate of JPEG display will be limited when displaying JPEG and MPEG-4 simultaneously)	0.1 ips ~ 25 ips (25 ips is performed with input from one camera. Frame rate of JPEG display will be limited when displaying JPEG and MPEG-4 simultaneously)	
	Audio Compression Method	G.726 (ADPCM), 16/32 kbps Bi-directional between PC and WJ-NT314, CH1 only.		
	Browser GUI	Camera Control	Pan / Tilt / Zoom / Focus / Iris / Preset position (up to 256), Auto mode, Setup menu, AUX, B/W ON/OFF/Auto, Click centering	
Video Analytic (WJ-NT314 only)	Display Mode	Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad screens (JPEG only). 20 characters camera title available.		
	Unit Title	On the browser, Up to 20 characters		
	Camera Title	On the browser, Up to 20 characters		
	Clock Display	On the browser, Time: 12H/24H, Date: 5 formats		
	Alarm Control	Reset		
	Audio	OFF / Mic input / Audio output / Interactive		
	GUI Language	English (Localization capable)		
	Setup Menu Language	English (Localization capable)		
	System Log	Approx. 100 (Internal), Approx. 4,000 (SD memory) error logs		
	Supported OS	Microsoft® Windows Vista Home/Professional, Microsoft® Windows® XP Home/Professional SP2		
	Supported Browser	Windows® Internet Explorer® 7.0, Microsoft® Internet Explorer® 6.0 SP2		
	Alarm	Detection Channels	2 channels at a time	
		Detection Area Setup	3 intruder detection areas and 1 object abandonment/removal detection area per program (Polygonal areas). Up to 8 detection programs can be assigned across 4 camera channels each with 256 preset positions. 1 mask area per program.	
Sensitivity		Sensitivity: Auto, Depth correction setup: Auto/Manual		
Display Mode		Program ID: 20 characters, Tracking display: ON/OFF, Frame display: ON/OFF		
Alarm Action		Different preset positions can be called corresponding to the 8 detection programs.		
Network	Schedule	Individual schedule/program, 1 time zone per each day of the week		
	Alarm Source	2x AVMD (WJ-NT314 only), 4x Terminal inputs, 4x Camera alarms, 4x Video loss alarms, Panasonic alarm protocol		
Network	Alarm Action	SD memory recording/FTP image transfer, e-mail notification, Indication on browser, Camera positioning, Terminal output, Panasonic protocol output		
	Schedule	Individual schedule/program, 1 time zone per each day of the week		
	Alarm Source	2x AVMD (WJ-NT314 only), 4x Terminal inputs, 4x Camera alarms, 4x Video loss alarms, Panasonic alarm protocol		
	Alarm Action	SD memory recording/FTP image transfer, e-mail notification, Indication on browser, Camera positioning, Terminal output, Panasonic protocol output		
	Network Interface	10 BASE-T / 100 BASE-TX, RJ-45 Connector		
	Maximum Band Width	Total 32 Mbps		
	Total Bit Rate Control	64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 / 8,192 / 16,384 kbps / Unlimited		
	Max. Bit Rate / Client (MPEG-4)	64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 kbps		
	Audio Transmission Mode	OFF / Mic input / Audio output / Interactive (Half duplex)		
	Supported Protocol	TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP		
External IF	FTP Client	Periodic image transfer: Interval 5 sec ~ 24 H, Alarm image transfer: 0.1 ~ 1.0 ips, 1 ~ 5,000 images		
	No. of Simultaneous Users	Up to 8 users/channel, Up to 16 users/unit (Depends on network conditions)		
	SD Memory Card (Option)	Alarm REC / Backup upon network failure. Compatible SD card: Panasonic 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB model		
	E-mail	Upon Alarm or Warning, Up to 4 addresses		
	User Registration	Up to 16 users		
	User/Host Level	3 Levels: Administrator, Camera control, Live only		
	Security Measures	User authentication (ID 32 digit, PW 32 digit), Host authentication (IP address)		
	General Specifications	Alarm	4x Input (Make contact), 4x Output (Open collector, Latch / Pulse, N.O. / N.C.)	
		Control	1x AUX output, 1x Time adjustment input	
		RS-485 Port	1x RS-485 (RJ-11), 4 wire, Full/Half duplex, Supports UDP-Serial conversion	
Safety/EMC Standard	WJ-NT314	UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA)	CE (EN60065, EN55022 ClassB, EN55024)	
	WJ-NT304	UL (E6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA)	CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558)*	
Power Source and Power Consumption	12 V DC 1.0 A (120 V AC 60 Hz adapter provided)		12 V DC 1.0 A (220 ~ 240 V AC 50 Hz adapter provided)	
Ambient Operating Temperature	-10 °C ~ +50 °C (14 °F ~ 122 °F)			
Ambient Operating Humidity	90 % or less (without condensation)			
Dimensions	210 mm x 44 mm x 307 mm (8-1/4" x 1-3/4" x 12-1/16")			
Weight (approx.)	2.0 kg (4.4 lbs.)			

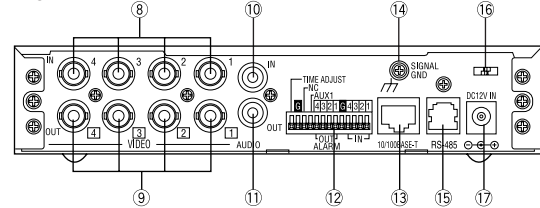
* GOST: WJ-NT304 only

Part Names and Functions

Front View

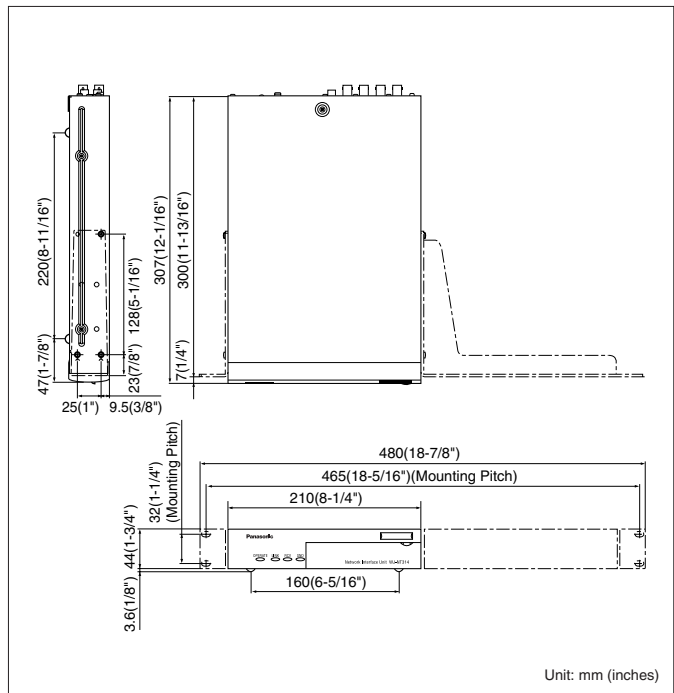


Rear View



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|----------------------------------|--------------------------|
| ① Operation Indicator | ⑩ Audio Input Connector |
| ② Status Indicators | ⑪ Audio Output Connector |
| ③ Reset Button | ⑫ Connector Terminal |
| ④ Dip Switch | ⑬ 10/100 Base-T Port |
| ⑤ SD Memory Card Slot | ⑭ Signal Ground Terminal |
| ⑥ SD Memory Card Error Indicator | ⑮ RS-485 Port |
| ⑦ Serial Port | ⑯ Clamp |
| ⑧ Video Input Connectors | ⑰ DC 12 V Input Jack |
| ⑨ Video Output Connectors | |

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.

- All TV pictures are simulated.
- Weights and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.
- All product pictures are NTSC models.

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