Panasonic
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Multi Channel High Definition Video Decoder
WJ-GXD400

NTSC **WJ-GXD400** (12 V DC, 100 ~ 240 V AC adapter attached)
PAL **WJ-GXD400** (12 V DC, 100 ~ 240 V AC adapter attached)

MPEG-4/JPEG Multi Channel High Definition Video Decoder for Megapixel i-Pro Network Surveillance System

WJ-GXD400 Multi Channel High Definition Video Decoder is equipped with a HDMI video interface and can provide 1x 4VGA (1,280 x 960) image with 2x VGA images in 3 split screen or 6x VGA images in 6 split screen simultaneously. This feature allows precise identification and multi-screen capabilities taking full advantage of a 1,920 x 1,080 high definition display in a manner tailored to the application requirement. Each of VGA images can be displayed at 30 or 25 frames/sec. (NTSC/PAL) so that no critical moment will be lost.

Key Features

- Equipped with a HDMI interface supporting 1,920 x 1,080 display size
- 1x 4VGA (1,280 x 960) image with 2x VGA images or 6x VGA images can be displayed in a split screen.
- Each of VGA images can be displayed at 30 or 25 frames/sec. (NTSC/PAL).
- Up to 256 cameras and encoders can be registered.
- Supports tour sequence and group sequence
- Up to 64 camera groups can be registered and called up in response to power on, group sequence and schedule program.
- Supports camera site alarm signal: Alarm indication can be displayed and alarm terminal output can be activated.
- Supports Multicast/Unicast for efficient network usage
- Single channel audio decoding G.726
- Schedule function: Pre-programmed display mode with camera assignment can be activated by time schedule.
- Selectable Multiscreen border color: White / Gray / Black / OFF
- High speed network interface (100Base-TX / 1000Base-T) and maintenance port (10Base-T)
- Setup can be made by the browser GUI.
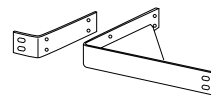- Superior reliability with an embedded OS

- Installation flexibility and reliability with –10 °C to +50 °C (14 °F to 122 °F) operating temperature range
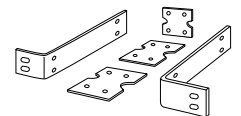
Standard Accessories

• Operating Instructions .... 1 pc.	• Code label .... 1 pc.
• CD-ROM* .... 1 pc.	• Power cord (NTSC model) .... 1 pc.
The followings are for installation.	• Power cord (PAL model) .... 1 pc.
• AC adapter .... 1 pc.	* The CD-ROM contains the operating instructions (PDFs).

Optional Accessories

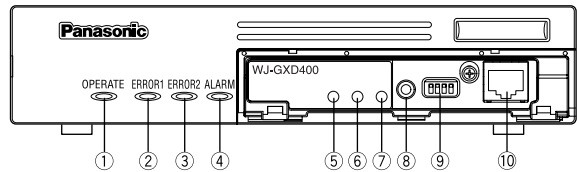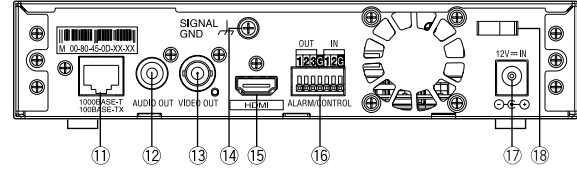| EIA19 inch Rack Mount Bracket **WV-Q204/1S** (for mounting one WJ-GXD400)	EIA19 inch Rack Mount Bracket **WV-Q204/2S** (for mounting two WJ-GXD400)

Specifications

TV System		NTSC	PAL
Supported Cameras	Supported Cameras	Panasonic i-Pro series Network cameras	
	Supported Encoders	Panasonic i-Pro series Encoders	
	Supported Image Format	MPEG-4, JPEG (Multi-decoding)	
	Supported Image Resolution	1,280 x 960, 640 x 480, 320 x 240	1,280 x 960, 640 x 480, 320 x 240, 768 x 576 (trimmed to 640 x 480)
	Supported Audio Format	G.726 (ADPCM) 32 kbps / 16 kbps	
	No. of Camera Registration	256	
Audio/ Video Output	HDMI	1,920 x 1,080: 1x 4VGA (1,280 x 960) with 2x VGA or 6x VGA 30 frames/sec., Audio supported	1,920 x 1,080: 1x 4VGA (1,280 x 960) with 2x VGA or 6x VGA, 25 frames/sec., Audio supported
	Composite Video	NTSC composite video, 1x BNC connector	PAL composite video, 1x BNC connector
	Audio	1x RCA pin jack	
Display Mode	Camera Group	Up to 64 Camera groups are available	
	Tour Sequence	Up to 64 steps, 10 patterns. Dwell time: 3 / 5 / 10 / 15 / 20 sec.	
	Group Sequence	Up to 64 steps, 10 patterns. Dwell time: 3 / 5 / 10 / 15 / 20 sec.	
	Schedule	Up to 6 schedules	
	Display Pattern	Up to 4 display patterns : Single, 3-Screen (primary screen on the left), 3-Screen (primary screen on the right), 6-Screen	
OSD	Display ID	Up to 4 alphanumeric characters	
	Camera Title	Up to 16 alphanumeric characters	
	Optional Information	Up to 32 alphanumeric characters x 2 lines	
	Time & Date Display	ON/OFF, Time: 12 H/24 H, Date: 5 formats	
	Information Display	Alarm information, Error information	
	Border Line	OFF/ON (Black / Gray / White)	
User Management	User Authentification	Up to 32 users, 2 access levels	
	Host Authentification	Up to 32 hosts	
Browser GUI for SETUP and Maintenance	Setup Menu Language	English / French / Spanish / German / Italian / Russian / Japanese	
	System Log	Error log (100), Network log (1,000)	
	Supported OS	Microsoft® Windows Vista® Business 32 bit, Microsoft® Windows® XP Home/Professional SP2	
	Supported Browser	Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business 32 bit), Microsoft® Internet Explorer® 6.0 SP2 (Microsoft® Windows® XP Home/Professional SP2)	
Alarm / Error	Alarm Source	Panasonic alarm command via network	
	Alarm Action	Alarm message, Alarm frame, Terminal output, Alarm LED	
	Alarm Reset	Auto reset, Reset command, Reset terminal input	
	Error	Error message, Terminal output, Error1 / Error2 LED	
Network	Network Interface	100Base-TX / 1000Base-T, RJ-45 Connector	
	Maintenance Port	10Base-T, RJ-45 Connector	
	Supported Protocol	TCP/IP, UDP/IP, HTTP, RTP, DHCP, DNS, DDNS, NTP	
	Multicast	Yes	
External IF	Terminal	Alarm reset input, Alarm output, Error output	
	Network	CGI Command I/F	
General Specifications	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA)	CE (EN60065, EN55022 ClassB, EN55024)
	Power Source / Consumption	12 V DC 1.4 A (AC adapter for AC 100 ~ 240 V 50/60 Hz attached)	
	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.)	

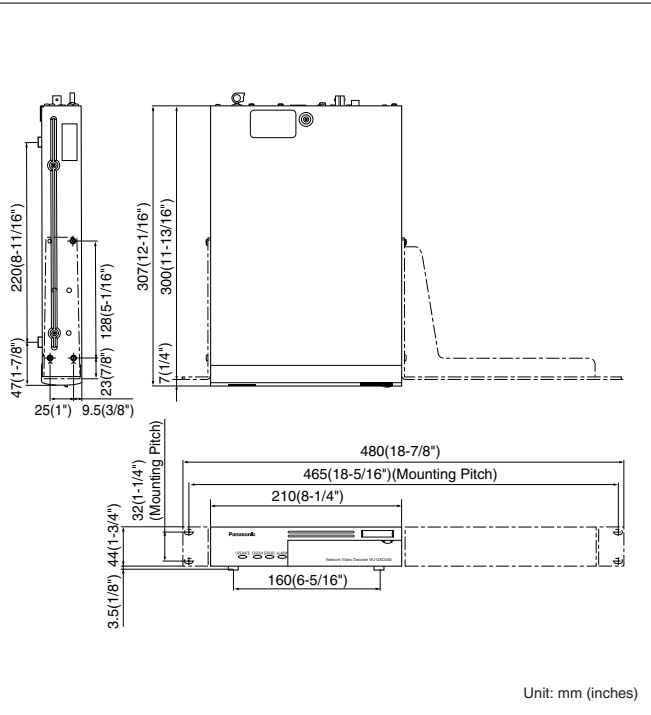## Part Names and Functions

Front View

Rear View

① Operation Indicator
② Error 1 Indicator
③ Error 2 Indicator
④ ALARM Indicator
⑤ LINK/ACT Indicator
⑥ 100BASE-TX Indicator
⑦ 1000BASE-T Indicator
⑧ Reset Switch
⑨ Mode Switches
⑩ Maintenance Port
⑪ Network Port
⑫ Audio Output Connector
⑬ Video Output Connector
⑭ SIGNAL GND Terminal
⑮ HDMI Connector
⑯ Alarm/Control Terminals
⑰ Power Connector
⑱ Cable Clamp

Appearance

Unit: mm (inches)

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