Panasonic

WJ-GXE100



1CH H.264 Real-time Network Video Encoder

Key Features

- Full frame H.264 transmission
- H.264 and JPEG triple encoding: A total of 3 outputs, comprising of 2 H.264 outputs and 1 JPEG output, can be provided.
- Motion adaptive interlace/progressive conversion allows every frame to be clear even when the subject is moving.
- Open command conversion table for RS485 ensures the control of various manufacture's PTZ camera.
- Camera title display: Up to 20 alphanumeric characters embedded in the image
- PoE. The power will be supplied by simply connecting a LAN cable.
 (IEEE802.3af compliant) 12 V DC power supply* is also available.
- Small size. And can be installed into the outdoor housing with a camera.
- Alarm sources including VMD, Command alarm, and Video loss
- VMD (Video Motion Detector) with 4 programmable detection areas
- Internet mode: H.264 images can be transmitted by over HTTP protocol.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian, Chinese, Japanese

- IPv4/IPv6 protocol supported
- Onvif compliant model
- * For UL listed model(s), only connect 12 V DC Class 2 power supply.

Standard Accessories

- *1 The CD-ROM contains the operating instructions and different kinds of tool software programs.
 *2 This label may be required for network management. The network administrator shall retain the code label.

Specifications

TV System			NTSC	PAL
Video IF Video Input Connector		it Connector	1 V [p-p]/75 Ω, NTSC or PAL comp	posite video signal*
			* NTSC and PAL can be switched in the setup menu.	
Browser	Camera Control		pan / tilt / zoom / focus / preset positions / auto focus / brightness	
GUI	Camera Control Protocol		Panasonic/Pelco-D/Pelco-P/Custom	
	Display Mode		Up to 16 camera images can be displayed simultaneously on a	
	Display Wode		multi-screen. (Including the camera itself)	
	Unit Title		Up to 20 characters	
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks) On/Off	
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Auto / Manual)	
	Alarm Control		Reset	
	One Shot Capture		A still picture will be displayed on a newly opened window.	
	GUI/Setup Menu Language			
	System Log		Up to 100 (Internal) Microsoft® Windows® 7	
	Supported OS*1*2			
			Microsoft® Windows Vista® Microsoft® Windows® XP Professional SP3	
	Commended B			
	Supported Browser		Windows® Internet Explorer® 9.0 32 bit	
			Windows® Internet Explorer® 8.0 32 bit	
			Windows® Internet Explorer® 7.0 32 bit	
			Internet Explorer® 6.0 SP3	
Network	Network If		10Base-T / 100Base-TX, RJ-45 co	
	Image	Picture (Camera)	H.264: VGA (640x480)/QVGA (320x240), max. 30 fps	
	Resolution	mode [4:3]	JPEG: VGA (640x480)/QVGA (320x240), max. 30 fps	JPEG: VGA (640x480)/QVGA (320x240), max. 25 f
		Picture (Camera)	H.264: 640x360/320x180, max. 30 fps	H.264: 640x360/320x180, max. 25 fp
		mode [16:9]	JPEG: 640x360/320x180, max. 30 fps	JPEG: 640x360/320x180, max. 25 fp
		Picture (Camera)	H.264: D1 (720x480), max. 30 fps	H.264: D1 (720x576), max. 25 fps
		mode [D1]	JPEG: D1 (720x480), max. 30 fps	JPEG: D1 (720x576), max. 25 fps
	H.264*3	Transmission Mode		
		Frame Rate	1/3/5/7.5/10/15/20/30 fps	
		Bit Rate/Client	64 / 128 / 256 / 384 / 512 / 768 / 1,02	
		Image Quality	Low / Normal / Fine	.47 1,000 / 2,040 / 0,012 / 4,000 KDL
		Refresh Interval	0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 /	5.0
		Transmission Type	Unicast / Multicast	33
	JPFG	Image Quality	10 steps	
	JFEG	Refresh Interval	0.1 fps ~ 30 fps	0.08 fps ~ 25 fps
		i icii con intervai	(JPEG frame rate will be restricted when	(JPEG frame rate will be restricted when
			displaying both JPEG and H.264 images.)	
		T T		displaying both JPEG and H.264 images
	Transmission Type		Pull / Push	
	Total Bit Rate		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite	
	Supported Protocol		IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP,	
			SNMP, DHCPv6, MLD, ICMPv6	
			IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP,	
			SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, AF	
	FTP Client		Alarm image FTP transmission, FTP periodic image transmission*4	
	No. of Simultaneous Users		Up to 14 users (Depends on network conditions)	
	Cellular Phone Compatibility		JPEG image	
	Mobile Terminal Compatibility ⁵		iPad, iPhone, iPod touch (iOS 4.2.1 or later), Android™ mobile terminals	
Alarm	Alarm Source		VMD, Command alarm, Video loss alarm	
	Alarm Actions		E-mail notification	
			Indication on browser, FTP image t	ransfer, Panasonic protocol output
Input/	RS485 Port		1x RS485 (4 wire / 2 wire, Full/Half duplex.	
Output			Open command conversion table for other manufacturers' PTZ camera	
General	Safety/EMC Standard		UL (UL60950-1), FCC (Part15 ClassA),	
			C-UL (CAN/CSA C22.2 No.60950-1),	(EN55022 ClassB, EN55024)
			DOC (ICES003 ClassA)	(=:::::::::::::::::::::::::::::::::::::
	Power Source and		12 V DC*: 200 mA, PoE 48 V: 75 mA (Class 1 device)	
	Power Consumption		* For UL listed model(s), only connect 12 V DC Class 2 power supply	
	Ambient Operating		-10 °C ~ +50 °C (14 °F ~ 122 °F)	
	Temperature			
			(During start-up: 0 °C to +50 °C {32 °F to 122 °F})	
	Ambient Operating Humidity		Less than 90 % (no condensation)	
	Dimensions		45 mm (W) x 29.5 mm (H) x 88 mm (D)	
			{1-25/32 inches (W) x 1-5/32 inches (H) x 3-15/32 inches (D)}	
			(excluding projections)	
	Mass (approx.)		Approx. 110 g {0.24 lbs}	
			Unit (resin part): PC resin, sail white Unit (metal part): Electrogalvanized steel sheet, sail white coating	
	Finish			

- **I For further information about PC system requirements and precautions for when using Microsoft* Windows* 7, Microsoft* Windows Vista*, or Windows* Internet Explorer*, click "Manual" "Open" from the supplied CD-ROM and refer to "Notes on Windows* Internet Explorer* click "Manual" "Open" from the supplied CD-ROM and refer to "Notes on Windows* Internet Explorer* versions".

 2 When using IPv6 for communication, use Microsoft* Windows* 7 or Microsoft* Windows Vista*.

 3 Transmission for 2 streams can be individually set in the same compression method.

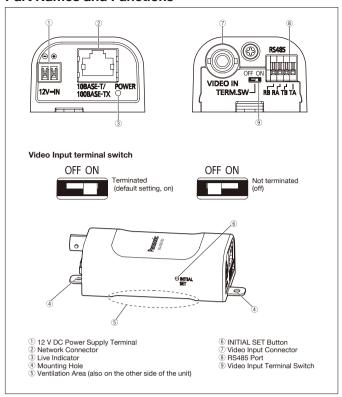
 4 Not available when "D1" is selected for "Picture (Camera) mode".

 5 For further information about compatible devices, refer to our website

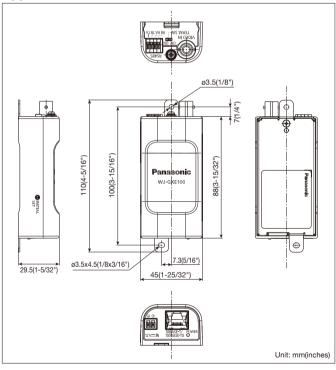
 (http://canegonic.ed/texp/sequir/windows)

- (http://panasonic.net/pss/security/support/info.html).

Part Names and Functions



Appearance



Trademarks and registered trademarks

- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
 iPad, iPhone and iPod touch are registered trademarks of Apple Inc.

- Android is a trademark of Google Inc.
 UniPhier is a registered trademark of Panasonic Corporation.

 "IPRO SmartHD" logos are trademarks or registered trademarks of Panasonic Corporation.

 All other trademarks identified herein are the property of their respective owners.

- Important

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

 Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.
- · Masses and dimensions are approximate.
- Specifications are subject to change without notice.
 These products may be subject to export control regulations.

DISTRIBUTED BY:

Panasonic