



WJ-GXE100 Firmware Release Note

This document describes WJ-GXE100 firmware upgrade (Application Firmware) Information.

1. Release version: Version 5.00
2. Release Note Reference Number: GXE100_013

April 1, 2022
i-PRO Co., Ltd.

VER (ActiveX VER) Release Date	Priority Rank Level				Priority Rank Level A: Recommend to apply (Major or serious update) B: When issue happened C: Maintenance timing U: Function /Performance improvement (Not Necessary to update)	Contents		
	A	B	C	U		Issue (Phenomenon)	Occurrence condition	Correspondence
1.73 (4.16.03) Apr., '13				x		Unable to communicate with another WJ-GXE100. (Occurrence frequency : High)	In a case under the both condition as follows; (1) HTTPS (Encrypt communication by SSL). (2) Powered On while pressing and holding INITIAL SET button.	Fixed to communicate properly even if the occurrence condition were true.
1.80 (4.17.01) Jul., '13	C				x	-	-	Added "Advanced VBR" to the "Transmission priority" of H.264.
					x	-	-	Changed to an optional function of "Face detection outline display" and "Advanced func."effective from newly production units in July, 2013. This is effective from newly production units only and nothing influences existing units (which the function is already usable) even if the firmware version 1.80 (and newer) would be installed.
					x	-	-	Added a message of "Time past from the date of manufacture" in the page of Upgrade (Maintenance).
					x	-	-	Added "Auto" as choice in language selection.
					x	-	-	Changed the settings about "Time zone" and "Summer time" from NTP (Server) to Basic (Basic).
					x	-	-	Added "Area" selection to the "DDNS" setting.
					x	-	-	Added "HTTP alarm notification".
					x	-	-	Supported SSL Mail Server.
					x	-	-	Supported case of missing "/" (slash) at the end of "HTTP" in path or header "Host:".
					x	-	-	Added "Initial display stream on the browser" setting.
					x	-	-	Added Internet function.
					x	-	-	Added the following returned values of CGI that is to receive built-in functions of the camera; 1) Type of license for Key Management System. 2) Advanced VBR. 3) Fog compensation.
					x	-	-	Removed the version information of ONVIF® from the CGI to receive status of built-in function.
					x	-	-	Improved response time for HTTPS access.
					x	-	-	Supported the combination of Windows 8 and Internet Explorer 10.
			x	-	-	Improved that Authentication error took some time while connecting with Digest Authentication.		
			x		Unable to access the camera.	In a case UPnP is set to "ON".	Fixed to access the camera, properly.	
			x		-	-	Changed archive file format for installation file from executable file to cabinet file that is to install ActiveX upon accessing browser.	

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1.81 (4.17.01) Aug.,'13	C			x		Transmission may be stopped by sending the CGI (get_io) to obtain the status of alarm terminals and VMD.	In a case, sending the CGI (get_io) to obtain the status of Alarm terminals and VMD repeatedly.	Fixed not to stop transmission.
1.82 (4.17.01) Nov.,'13	C				x	-	-	Language of E-mail notification in Notification tab is selected to either Japanese (if language selection were Japanese) or English (if language selection were non Japanese) automatically.
					x	-	-	Added Portuguese as a choice at [Select language] pull-down menu.
					x	The browser showed "500 Internal Server Error".	<PAL models only> When setting 3fps in MOTION JPEG by CGI command.	Fixed.
					x	Incorrect PAN/TILT absolute angle values were returned.	When it was acquired by cgi command "get_capability" from VMS etc.	Fixed returning correct values.
					x	Time difference between on-screen and NTP of RTCP was bigger and bigger.	-	Fixed.
					x	Playback screen of System log may be closed and backed to live picture.	While using under Internet Explorer (IE) 10.	Fixed.
					x	Camera moved into Safe mode.	In a case upgrading the driver firmware after registering ONVIF®.	Fixed to start up, properly.
2.00 (4.17.01) Feb.,'14	C				x	-	-	Added FTP transmitting Pre alarm picture.
					x	-	-	Added hyper-link to the "Support Information on network camera (WV Series)" in the page of firmware upgrade.
					x	-	-	Supported a function to receive the direction (position) from analog cameras.
					x	-	-	Added "Alarm deactivation time" setting so that various deactivation time (such as 5s/10s/30s/1min/3min/5min/10min) can be set (instead of 5-sec fixed).
					x	-	-	Made possible to choose "BASELINE" or "HIGH" as H.264 Profile by CGI command.
					x	-	-	Improved outputting frame rate while setting Max. bit rate were lower value in Advance Variable Bit Rate (AVBR).
					x	-	-	In ONVIF®, supported Video Source Mode (Image Capture Mode) command.
					x	Time stamp information may not be on the stream. (Occurrence frequency: Low)	When error occurred at H.264 video transmission.	Fixed to the stream contains time stamp information.
Ver2.01 (4.17.01) Apr.'14	C				x	-	-	Added a recommendation for enabling CompatibleView setting on IE10 and IE11 if it were NOT enabled.
					x	-	-	Added a hyper-link for the page of Support Information on title bar at the top of the Live picture.

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Ver2.10 (4.27.02) Nov.'14	C				x	-	-	Supported displaying H.264/JPEG images on Safari (v5.1.7), Firefox (v32.0.3) and Google Chrome (v38.0.2125). Notes: there are some restrictions as follows; 1. To display H.264 images, required installing QuickTime plug-in (v7.7.6). 2. H.264 supports Unicast only and delays approx. 3 seconds. 3. Audio is available only in H.264 (is NOT available in JPEG) and supports G.711 only. Furthermore, it supports only "Audio reception" (receive audio from camera). 4. Full screen opens new window, So, it must be within the maximum number of concurrent access user.
					x	-	-	Improved displaying live picture even if the setting of the Compatibility View on Internet Explorer11 were "Off".
Ver2.10 (4.27.02) Nov.'14	C				x	-	-	Supported displaying titles of time and camera can be separated. Note: required cgi command.
					x	-	-	Changed indication order of ONVIF® Profile when obtaining them; Previous: Ascending order of resolution in JPEG New: Descending order of resolution in H.264
					x	-	-	Reviewed and updated the Time Zone values
					x	When displaying the alert as follow and leave it 2 or more minutes, display same alert message on another camera every 30 seconds. Alert: Connection has been disconnected. Please confirm connection.	When 2 or more cameras are registered on multi-screen and leave detecting disconnection of network on any camera 2 or more minutes continuously.	Fixed.
					x	No reply to a GET connection.	If the packets of method that POST connection became a BSE64, were separated.	Fixed.
					x	Disconnected a GET connection before returning RTSP error.	In a case, sending POST in RTP over RTSP over HTTP while disconnecting every time.	Fixed.
					x	Added unnecessary "0" at the end of POST connection of RTP over RTSP over HTTP.	-	Fixed.
Ver2.30 (4.27.02) Feb.'16	U				x	FTP periodic image transmission did not send the designated number of images (Approximately 54 - 55 images per 60 seconds). (Occurrence frequency: High)	If Transmission interval were "1s" (1 image per second).	Fixed.
					x	-	-	Changed indication order of ONVIF® Profile when obtaining them; Previous: Ascending order of resolution in JPEG New: Descending order of resolution in H.264
					x	-	-	Added a notice for each screen that alarm notification will not be appeared while displaying VMD and audio detection.
				x	-	-	Regarding the header (WS-Addressing) which is attached with ONVIF® commands, supported WS-Addressing in August 2004, used to be the one in August 2005 only.	

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Ver2.40 (4.27.0.4) Apr., '16	C			x	-	-	1. Changed factory default setting value at User Authentication from "OFF" to "ON". 2. Deleted pre-registered User name (admin), and Password (12345). 3. All users must register User name(s) and Password(s) at initial access. - User name: 1 to 32 characters - Password; 8 to 32 characters, two or more types of characters among alphabets, numbers and symbols. Note: Currently registered User name(s) and Password(s) will NOT be deleted by upgrading firmware, however, you have to register them under the new policy (above "3") after initializing (default reset) by the INITIAL SET button or by the setup menu.	
Ver2.41 (4.27.0.4) May, '17	C		x		Picture may become in black/white and unable to be in color.	On PAL TV System.	Fixed.	
Ver2.43 (4.27.0.7) July, '17	C			x	-	-	Changed company name to the new company name in the plug-in (ActiveX) software.	
				x	-	-	Updated the URL of the support WEB site displayed on the screen.	
			x		Screen may show solid black.	-	Fixed. Improved fail-safe processing at the occurrence of abnormality of image encoding processing unit so that to avoid displaying solid black.	
			x		WV-SW458 unable to transmit more than 4Mbps.	On ONVIF®.	Fixed.	
Ver2.50 (4.27.07) Jun., '18	C			x	-	-	Changed factory default setting for Authentication method; Previous: "Digest or Basic" New: "Digest" For more details: security_upgrade_June2018.pdf	
				x	-	-	Changed password policy that it must include at least 3 types of characters among "upper case letters / lower case letters / numbers / symbols". For more details, click here. Note: Original passwords and authentication method of products on the system are kept unchanged even firmware and software have been updated. For more details: security_upgrade_June2018.pdf	
			x		Streaming may stop at camera startup while setting in multicast streaming.	-	Fixed.	
Ver2.60 (4.27.08) May.'20	U			x	-	-	Changed the company name in the plug-in software Active X to the new one.	



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Ver5.00 (4.27.09) April, '22	U				X	-	-	Changed company name from "Panasonic i-PRO Sensing Solutions Co., Ltd." to "i-PRO Co., Ltd."
					X	-	-	Updated SNMP extended MIB. Changed the extended Object ID(OID) from Panasonic(258) to i-PRO(57501). Note: MIB file and manual are available at the following link. https://i-pro.com/global/en/surveillance/database/i-pro-device-integration/snmp-mib
					X	-	-	Changed the alarm name from "Panasonic alarm protocol notification" to "TCP alarm notification".

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