

WV-S4156/S4556L/S4556LM/S4176/S4576L/S4576LM firmware

WV-S4156 WV-S4556L(M) WV-S4176 WV-S4576L(M)	Priority Rank Level	Priority Rank Level				Contents		
		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
Ver1.00 (ActiveX: 4.60.04) Dec., '21	-					First production.		
Ver1.01 (ActiveX: 4.60.04) (SDK: V1.50) Dec., '21	C				x	-	-	The following extension software is pre-installed at factory from the production in December 2021. - AI-VMD/AI People Counting for 360-degree fisheye *As firmware upgrade does not install this extension software application, download it on our website and install manually. https://i-pro.com/global/en/surveillance/training-support/documentation-database-list
				x		Unable to perform multicast transmission. (Occurrence frequency: Rare)	When the camera is started with the following settings: - "DHCP" is selected for "Network Settings" on the [Network] tab of the [Network] page - "Multicast" is selected for [Transmission type]	Fixed.
					x	-	-	Improved the accuracy of time synchronization with NTP server.
Ver2.00 (ActiveX: 4.60.30) (SDK: V1.50) Apr., '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: - This change applies only to the products manufactured in April, 2022* or later, and is not applied by firmware upgrade. *Serial number: VDxxxxxx - MIB file and manual are available at the following link: https://i-pro.com/global/en/surveillance/database/i-pro-device-integration/snmp-mib
2.10 (SDK: V1.60) Aug., '22	B				x	-	-	Changed the color of AI-VMD detection frame at alarm occurrence from blue to red, for the ONVIF connection with Milestone.
					x	-	-	Improved to display the image transmission log on the [Status] tab in the [Maintenance] page. Clicking the "Confirm" button of [Image transmission log] displays logs on a separate window.



This document describes WV-S4156 firmware upgrade Info.
 1. Release version: Version 2.20
 2. Release Note Reference Number: S4156-005

Updated: November 11, '22
 Issued: September 30, '22
 i-PRO Co., Ltd.

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2.10 (SDK: V1.60) Aug., '22	B				X	-	-	Supports the notification of AI-VMD detection area ID as follows: - Added the [AI-VMD alarm area information] on/off setting to the [TCP alarm notification] window on the [Notification] tab. - Improved the response to the CGI command "/cgi-bin/get_io2" by adding the detection area ID.
					X	-	-	Added the note "Use the latest edition of the software product." to the [Upgrade] tab in the [Maintenance] page and [Software mng.] tab in the [Ext. software] page.
					X	-	-	Supports new Graphical User Interface (GUI) for the camera window. For details, refer to "New functions and addendum (New GUI)" (Control number: 0324) at the following URL for details: https://i-pro.com/global/en/surveillance/training-support/support/technical-information
					X	-	-	Added Link Layer Discovery Protocol (LLDP) setting tab to the [Advanced] tab on the [Network] page.
					X	-	-	Supports Message Queueing Telemetry Transport (MQTT) for alarm notification. MQTT setting has been added to the [Advanced] tab on the [Network] page.
					X	-	-	Supports SSH File Transfer Protocol (SFTP) for image transmission. SFTP setting has been added to the [Setup] page.
					X	-	-	Improved the contents of the CGI command "get_capability"
					X	-	-	Supports TLS 1.3. TLS setting has been added to the "HTTPS" window on the [Advanced] tab in the [Network] page.
					X	-	-	Added Subject Alternative Name (SAN) to the certificate signing request (CSR) for creating an HTTPS server certificate.
					X	-	-	Added "NTP test" function to the "NTP" window on the [Advanced] tab in the [Network] page.

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2.10 (SDK: V1.60) Aug., '22	B				X	-	-	Added a CGI command to transmit H.265/H.264 stream without NAL unit. Without NAL: "cgi-bin/setdata?H264NONALFLG=1" With NAL (default): "cgi-bin/setdata?H264NONALFLG=0"
					X	-	-	Added new setting items "Close (Continue)" and "Open (Continue)" to the operation setting of [Terminal 1], [Terminal 2], and [Terminal 3] on the [Alarm] tab in the [Alarm] page.
					X	-	-	Added the [Alarm test] function to the [Alarm] tab in the [Alarm] page.
					X	-	-	Improved to display the logs of successful firmware upgrade and firmware upgrade failure on the [System log] tab in the [Maintenance] page.
					X	-	-	Changed the default setting of [Overwrite] from "Off" to "On" on the [SD memory card] tab in the [Basic] page.
					X	-	-	Improved the human detection performance for extension software. Note: Extension software needs to be updated to the version released in July, 2022 or later.
					X	-	-	Improved the visibility of camera setting screen as follows: - Removed unnecessary titles - Switched the position of "Next" and "Back" button
					X	-	-	Increased the maximum RAM capacity for extension software as below: Prior to this version: 150MB This version or later: 250MB
					X	-	-	Modified the French description on the [User. Auth] tab and [Host auth.] tab as below: 1. Camera control - From "Com. cam. Vid" to "Contrôle camera" 2. Live only - From "En dir.sl" to "Flux direct"
			X	The "Display style" setting of OSD unexpectedly changes to "Opaque". (Occurrence frequency: High)	When the camera receives the unsupported CGI command "/cgi-bin/set_camfunc".	Fixed.		

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2.10 (SDK: V1.60) Aug., '22	B				X	-	-	Removed the following functions according to the Internet Explorer (IE) end of support: 1. Live window - "Viewer Software" button 2. [Basic] tab in the [Basic] page - "Status update mode" setting - "Status reception port" setting - "Viewer software (nwc4Ssetup.exe)" setting 3. [Log] tab in the [Basic] menu 4. [Image] tab in the [Image/Audio] page - "Internet mode (over HTTP)" setting 5. [Multi-screen] tab in the [Multi-screen] page - "H.265(1)" and "H.264(1)" options for "Refresh interval" 6. [Upgrade] tab in the [Maintenance] page - "Viewer software installation counter"
				X		The 3rd party application on the camera may restart.	-	Fixed.
			X			Unable to perform JPEG image transmission.	When transmitting AI-VMD (WV-XAE200) additional information with the video data.	Fixed.
					X	-	-	Enhanced security.
2.11 (SDK: V1.60) Sept., '22	B		X		Out-of-focus may occur.	Firmware version 2.10	Fixed.	
2.20 (SDK: V1.60) Sept., '22	C			X		-	-	Changed the company name in the GlobalSign digital certificate installed on the camera to "i-PRO Co., Ltd."
				X		-	-	Supports the FTP function.
					X	-	-	Added on Nov.11, 2022 Added the HTML initialization function. [Load the default HTML files (setup menu).] and [Reset to the default and load the default HTML files.] have been added to the [Default reset] tab.
				X		The occupancy detection area information is not included in the HTTP alarm notification from the camera.	-	Fixed.
				X		The frame rate and bit rate may not recover once they drop due to the environmental cause.	-	Fixed.