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This document describes WV-S1136/ WVS-2136/ WV-S2136L/ WV-S2236L firmware upgrade info.
1. Release version： Version 1.21
2. Release Note Reference Number： WV-S1136-002

September 16, 2021
Panasonic i-PRO Sensing Solutions Co., Ltd.

WV-S1136/ WVS-2136/ WV-S2136L/ WV-S2236L

WV-S1136 WVS-2136 WV-S2136L WV-S2236L	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
1.10 June, '21						1st mass-production.		
1.11 June, '21	C				x	The operation of extension software stops after its trial period has expired. (Occurrence frequency: High)	When the followings steps are performed during the trial period: 1. Register the Registration key while the extension software is running 2. Keep the camera working without restarting it	Fixed.
					x	Monitor output image becomes black. (Occurrence frequency: High)	When the camera is rebooted after changing the [Date/time display] setting from the initial setting at shipment (On) to "Off"	Fixed.
					x	-	-	Supports the [Audio] setting function in the camera individual setting screen of i-PRO Configuration Tool version 2.0*. *To be released in the end of June
						Applicable model: WV-S1136 only		
					x	The image becomes blurred after the camera switches between color mode and black & white mode . (Occurrence frequency: High)	Under the environment with strong IR LED lights	Fixed.
1.20 Sept., '21	C				x	-	-	Added SDK version to the [Software mng.] tab in the [Ext. software] page as below: - Displays SDK version of the camera in "SDK version" under "Unique information" - Displays SDK version of the extension software in "Software version" of each extension software information
					x	-	-	Added the following actions for SD memory card error: - Displays the following alert when a bit rate higher than "8192kbp" is selected in [Max bit rate (per client)*]: "Since the value of "Max bit rate (per client)" of H.265/H.264 recording stream set for "Recording format" is larger than "8192kbps", there is a possibility an abnormality will occur in continuity of recorded video. It is recommended to set it to "8192kbps" or less." - Records SD memory card logs on the [Status] tab in the [Maintenance] page, in the case of loss of recording or abnormal response from an SD memory card - Sends Panasonic alarm protocol "Diag." to the destination servers designated in the [Notification] tab of the [Alarm] page, in the case of abnormal response from an SD memory card
					x	-	-	Increased the maximum password length from 32 to 128 characters for "Authentication" in the [Network] page-> [Advanced] tab-> "SMTP(E-mail)".

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		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
1.20 Sept., '21	C				x	-	-	Updated the pre-installed extension software WV-XAE200 (AI-VMD) to the latest version 2.11. Note: Upgrading camera to version 1.20 or later does not update the installed WV-XAE200. To use WV-XAE200 in version 2.11, manually update the WV-XAE200 to version 2.11 or initialize the camera using "INITIAL SET" button after firmware upgrade.
					x	-	-	Improved the detection accuracy of scene change detection (SCD).
					x	-	-	Improved the auto focus performance when switching from color mode to black & white mode.
					x	-	-	Improved the image quality as follows: - Color reproduction accuracy and gradation adjustment when [Super Dynamic(SD)] is "On" - The performance of [White balance] function - The image resolution after digital zoom adjustment
				x		-	-	Corrected the camera response to the "GetVideoEncoderConfigurationOptions" command of ONVIF Profile S.
				x		i-PRO Configuration Tool (iCT) may not display a correct value in "Continuous operation" of the [Status of Cameras] screen.	Within 14 hours after starting the camera.	Fixed.
				x		The camera may restart. (Occurrence frequency: Rare)	When the following two events occur at the same time: - Issue an alarm notification of WV-XAE200 (AI-VMD) - Image transmission stops such as when moving to the [Setup] screen	Fixed.
1.21 Sept., '21	B			x		Firmware upgrade may fail. (Occurrence frequency: Rare)	When upgrading the camera(s) connected to WJ-NX100.	Fixed.
			x			Image transmission stops. (Occurrence frequency: High)	When the camera receives the CGI command to set Internet mode to "On".	Fixed.

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