

WV-ASF950	WV-ASF950CH	Priority Rank Level				Issue (Phenomenon)	Occurrence condition	Correspondence
		A	B	C	U			
1.00 July, '18	1.00 July, '18					1st mass-production.		
1.01 Dec., '18	1.01 Dec., '18	C				x	-	Added functions so that face mask detection On/Off, Face mask detection level can be set on the following cameras (V 2.00 or later); WV-S1132(H), S1131, S1112, S1111, S2531LTN, S6130(H)
						x	-	Improved the registered VI Server Rule (Event actions) to be able to set for each camera that occurred a face authentication alarm notification, and to be able to execute.
					x		-	The setting value for the destination port number of the camera may be null at setting the destination of best-shot onto the camera. Fixed.
1.02 Dec., '18	1.02 Dec., '18	U				x	-	Improved accuracy of the face mask detection function.
1.03 Apr., '19	1.03 Apr., '19	U				x	-	Improved the GUI for product registration.
1.04 June, '19	1.04 June, '19	B	x					The face matching function operation may stop upon receipt of an abnormal best shot image data from camera. Fixed.
2.00 Aug., '19	2.00 Aug., '19	U				x	-	Supported new function "Unregistered Face Detection". Client software and required version; WV-ASM300/ASM300W: V2.10 Facial Recognition System for Genetec : V2.00 Facial Recognition System for Video Insight: V2.00
						x	-	Added settings of I/O unit to the server configuration menu, and supported a convertor for notifying the face verification alarm outside the network.
2.10 Nov., '19	2.10 Nov., '19	U				x	-	Changed company name; from "Panasonic Corporation" to "Panasonic i-PRO Sensing Solutions Co., Ltd."
						x	-	Supported new Video card, NVIDIA Quadro RTX5000. Important Information for users of NVIDIA Quadro P5000: The driver of NVIDIA Quadro P5000 must be version 411.81 (or later), supplied by either the manufacturer of video card or NVIDIA. Otherwise, installation/upgrade of WV-ASF950 version 2.10 will fail.
						x	-	Changed the registration date-time display in the list of registered face from updated date-time to registered date-time to show when it registered as new. *: Display it on the client software.
						x	-	Improved to recover automatically when stop of face recognition process is detected. The ASF Series Error Checker shows an error message when an error occurs. Please refer to the "ASF Series Error Checker" in the WV-ASF950 Help File.
					x	-	Addressed known vulnerabilities.	

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2.20 Jan., '20	2.20 Jan., '20	B				x	-	-	Improved to display all the search results of specified face search range set for the search condition instead of the maximum number of 512 items in the previous version. Note: Supports WV-ASE231W VI Plugin Software v2.20, Genetic Plugin Software v2.20 and Milestone Plugin Software v1.00. (Except ASM300)	
						x	-	-	Improved to support the system configuration for the face recognition server with two network cards.	
				x				Previous version may not shut down properly when the Fast Startup feature is enabled in Windows 10.	-	Improved to disable the Fast Startup feature in Windows 10 at the time of installation.
2.31 March, '20	2.31 March, '20	B		x			Unable to shut down this software when a Windows Command is not executed properly on rare occasions.	-	Improved to shut down the software after confirming that the Command is executed properly.	
					x			-	-	Improved to display the below error messages on the screen of Error Notification Tool when an error occurs in Facial Recognition Server. - Facial recognition software has been stopped. - Cannot connect to Facial recognition server. - Database corruption has been detected. - An error was detected and the service was restarted.
						x		-	-	Deleted the close button(x) of ASF950Shutdown Monitor (the tool for secure shutdown) to avoid closing it by mistake. Also, added a procedure to check the status of ASF950Shutdown Monitor every one minute and automatically run it if it is inactive. (Please note that shutting down the server with any operations other than ASF950Shutdown Monitor can cause database corruption.)
						x		The facial recognition server may show slow response due to the automatic defragmentation in Windows. This can result in the connection error between WV-ASM300 and the facial recognition server.	-	Fixed by using the defragmenter "Contig" from Microsoft. Note: The defragmenter "Contig" needs to be installed on the PC before installing ASF950 Version 2.31 or later. Please refer to " Note about installing WV-ASF950 Version 2.31 or later: " "Notes before Installing Version 2.31 or later:" on each WV-ASF950 Software download page from the link below for detail. WV-ASF950 Software Download: https://bizpartner.panasonic.net/public/ppr/product/9328?accordion_tab=351
				x				The area set for Registered face detection may be regarded and operate as the area for Unregistered face detection.	Only right after the software is launched	Fixed.
				x	Reinstalling WV-ASF950 may affect the database.	Under both of below conditions: - WV-ASF950 has been already installed on the PC - Reinstalling the software without using WV-ASF950 Software Upgrade Tool	Improved to display an error message to prevent the reinstallation.			

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2.32 July, '20	2.32 July, '20	B			x	Unable to continue the normal operation of WV-ASF950 as the database and the database management program stop due to the setting in OS and so on. (Occurrence frequency: High)	When the maximum size of virtual memory is set to low value on the PC	Improved to check the operating status of the database and the database management program regularly and to display error messages on the screen of Error Notification Tool in case of being in an abnormal status.
				x		Unable to control the I/O device when an alarm occurs in the camera connected to the slave server (Occurrence frequency: High)	When operating in multi-server configuration	Fixed "WV-ASF950 Configuration Tool" to resolve the issue.
					x	WV-ASF950 may not return the search results of "Age and Gender Statistics Data" to a client with the following error message "No response from the server. Please wait a operation again". (Occurrence frequency: Low)	Under the following conditions: - Operating in multi-server configuration - Reassigned camera(s) to a different server for storing face data from the one the camera(s) previously assigned	Fixed.
3.00 Dec. '20	3.00 Dec. '20	U			x	-	-	Improved the operation stability of face matching process on heavy traffic scenes by adding the reception restriction function to discard the received images that exceed the limit.
					x	-	-	Improved the database structure to reduce the risk of data corruption.
					x	-	-	Improved the facial recognition accuracy in registered face detection mode.
					x	-	-	Added the function to exclude areas from face matching target in WV-ASF950 Utility Tool. (Up to 8 areas)
					x	-	-	Improved the installer to automatically support small-scale configuration related to graphics card.
3.10 Jan., '21	/	U				Except Chinese market model, WV-ASF950CH		
					x	-	-	Added the "Genetec Synergis Cardholder Sync" function to import registered face information from Genetec Synergis to WV-ASF950 database for synchronization. Note: For details, refer to "[Supplementary information 2] Genetec Synergis Cardholder Sync settings" in WV-ASF950_Helpfile » WV-ASF950 » Procedure when structuring a new system » Operation/setting using the config tool (Master server) » Client terminal registration.

