Panasonic

WV-ASM200 PC Software Package, Release Note

This document describes software package upgrade for WV-ASM200.

1. Release version： 5.13
2. Release Note Reference Number： ASM200_032R

VER (ActiveX VER) Release Date	Priority Rank Level					Contents		
		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)						
		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
1.02 (2.0.8.6) Dec. 20, '11	B		X			Unable to download images. (Occurrence frequency : High)	In the case, Administrator name or Password have been changed from factory default "ADMIN", "12345".	Fixed to download properly.
					X	Unable to use 2x digital-zoom function. (Occurrence frequency : High)	When making digital-zoom to "2x " in the case of showing on a monitor that is lower resolution than decoding size. Example: Decode size= 1280x960 Monitor size= 480x360 Notes: It works with no problem in the case Decode size and Monitor sizes are same. Also in the case other than 2x digital-zoom.	Fixed to work properly.
					X	MPEG 4 decoder may stop working (no images are shown) while showing MPEG4 images. (Occurrence frequency : Very rear)	Showing MPEG4 images in Live or Playback as usual. No images are shown until receiving next I-frame.	Fixed to show images properly.
					X	M-JPEG image may not be displayed (no images are shown, solid black) while showing frame-advance or frame-reverse playback. (Occurrence frequency : High)	Either frame-advance or frame-reverse playback with displaying enlarge or shrink mode in M-JPEG.	Fixed to show M-JPEG images properly.
1.10 (2.1.3.0) May, '12	C				X	-	-	Supported WV-ASE202 - 25/36/49/64 divided picture (Note: up to 16-picture only for playback). - Supported 25/36/49/64 group configuration (Note: up to 16-picture for sequence). - Supported 4-live-monitor on WV-ASE201 (Total 64 + 4 pictures).
					X	-	-	For WV-ASM200P and E only; - Max recorder: 100 units - Max encoder: 64 units - Max camera: 256 units Up to 4 licenses can be registered.
					X	-	-	For WV-ASM200P and CH only; Up to 10 GXD400 can be controlled.
					X	-	-	Supported auto-tracking function on WV-SC386 and SW396.
					X	Unable to download images from recorder (WJ-HD300 series model) (Occurrence frequency : High)	In a case the administrator's password for WJ-HD300 series model has been changed from "12345" (factory default) to another.	Fixed to download properly even if the administrator's password were changed.
			X			Unable to operate.	If you (user) were a Windows "User" privilege level and WV-ASM200 is version 1.00, 1.02 or 1.10.	Update version 1.10 first. And apply Special dll file. For details, please refer to Service Hint (Technical Information): Order No. AVS1205340T0 S16, W-260 (Windows Privilege Level for the Operator.).
					X	-	-	Added a process to configure an exception of firewall: The added process is "asm200liveIP.exe". Notes: 1. This is required when Firewall of Windows is "ON". 2. Also this is required when upgrading from version 1.0x. 3. Failure to configure this, no pictures will be displayed.
1.11 (2.1.5.0) Sept., '12	C				X	Added on Nov. 27 Video looks blink if sequence were made. (Occurrence frequency : High)	On version 1.10 only (not on ver 1.02). In a case, sequence display between/among multi-screens.	Fixed not to blink.

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1.11 (2.1.5.0) Sept., '12			C	X	ASM200 may be crashed. (Occurrence frequency : High)	Occurred event (something fault on devices or network) after once logged-out from ASM200 and logged-in again.	Fixed not to cash ASM200.
				X	While making setup on configuration software, unable to make it with displaying an Input Error (*). (Occurrence frequency : High) *: Message: Cannot register setting information in DB. - Invalid character entry. - No entry. - Invalid value entry.	On version 1.10 only (not on ver 1.02). On configuration software, attempting "Comm"-"FTP mode" to be changed from active to passive.	Fixed to be able to make configuration properly.
1.12 (2.1.6.0) Sept., '12			C	X	Noise (strip pattern) on playing back picture. (Occurrence frequency : Low)	In a case playing back at a part of communication error (The noise will be gone by selecting another camera).	Fixed not to display the noise.
				X	Live picture may be frozen. (Occurrence frequency : High)	In a case disconnecting network and resume connection occurred while using with ASE201 on version 1.10 or 1.11 of ASM200 (does not occur on version 1.02).	Fixed to display live picture, properly.
				X	Application (ASM200) may crash. (Occurrence frequency : High)	"Down" is set for the shooting direction of the "Dome camera 4" icon at Type in "Camera setup" windows.	Fixed not to crash ASM200.
1.20 (2.1.6.0) Oct., '12			C	X	Some live pictures may not be displayed (becomes solid black picture) while selecting multi-picture. Example: only 16 pictures at upper-left cornet are displayed out of 64 pictures. (Occurrence frequency : High)	In a case all followings were true; 1. use with ASM200 + ASE201 + ASE202 2. 25-picture or more at live monitor were registered 3. version of ASM200 were "1.12"	Fixed not to display solid black.
				X	Wrong stream (according to the number of picture before switching by alarm mode instead of the defined single/multi-picture) is selected when switching picture by alarm mode while showing multi-picture on live monitor. Ex.1) In a case 4-picture is shown on live monitor and single-picture is defined in alarm mode, stream 2 will be selected instead of stream 1. Ex.2) In a case single-picture is shown on live monitor and single-picture is defined in alarm mode, stream 2 will be selected instead of stream 1.	In a case all followings were true; 1. Auto mode is selected. 2. ASM200 version 1.10 and newer.	Fixed to work properly.
				X	The information history such as ON/OFF status of Camera Group in Live monitor was not saved and it restored to the factory default on next activation. (Occurrence frequency : High)	ASM200 version 1.10 and newer.	Fixed saving the information properly and not to restore to the factory default.
1.22 (2.1.6.0) Jan., '13	Added Jan., '13	X	C		Indication of Rec Status was changed from Red (Recording) to Grey (Rec Pause) while recording. (Occurrence frequency : High)	In a case all followings were true; 1. Sequence is activated in recording. 2. ASM200 version 1.10 and newer.	Fixed not to change the status indication.
		X			Too much jaggy picture. (Occurrence frequency : High)	In a case all followings were true; 1. Displaying multi-picture. 2. ASM200 version 1.10 and newer.	Fixed not to show jaggy.
		X			Failed to download MAP data. (Occurrence frequency : High)	Retrieved null MAP data and uploaded it.	Fixed null MAP data was prevented from saving.

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Deleted for correction				X	-	-	Supported image setting modes on 360-deg view cameras.
				X	-	-	~~Supported options on 360-deg view cameras such as to compensate fisheye single picture/quad PTZ picture.~~
				X	-	-	Improved selectable two or more recorders for downloading from recorder.
				X	-	-	Made available ASM200 to be installed newly and register new license key even if previous license key were exist on the PC.
				X	-	-	Made accepting User (instead of Administrator) of MS-Windows for operation.
				X	-	-	Search button can be clicked at anytime so that search window can be opened at anytime (Search button was unavailable when no search had been performed.).
1.30 (2.3.9.0) Mar., '13	C			X	-	-	Improved available to use icons on map those were made by user.
				X	-	-	Made possible to revise/re-registrant icons on map monitor.
				X	-	-	Made possible to revise/re-register icons on map monitor.
				X	-	-	Supported WJ-GXE100.
			X		Buzzer is set to "1" even if "stop" were set.	In a case loading data that was stored on old version.	Fixed not to changed unexpectedly.
			X		Audio (Transmission) is set to ON even if it were set to OFF.		
			X		-	-	Reject saving map if map data were null.
			X		Display full-picture of operation monitor at mouse cursor.	Two or more ASM200 is ruining and version 1.10.	Fixed it displays properly.
1.40 (2.3.9.0) July, '13	C			X	-	-	Supported Microsoft Windows 8 Pro (both 32-bit and 64-bit edition). Notes 1: Required system/environment under Windows 8 is different from previous. Please install and use ".net framework 4.0" and "SQL Server Express 2012" those are contained in the firmware. Backup data under SQL Server 2012 cannot be retrieved under SQL Server 2005. The system environment of dual graphic card is NOT supported under Windows 8. Notes 2: Supplied firmware will install either SQL Server 2005 or SQL Server 2012 automatically depends on Operating System.
				X	-	-	Supported the software extension (option) for 360-degree network cameras that is to compensate the distortion in the single PTZ mode/quad PTZ mode on the operation software.
				X	-	-	Added a function to write files of h3r/n3r (including audio) onto CD/DVD medias. The viewer software comes with the files that can run just double-click the exe-file without installation.
				X	-	-	Removed setting of "Display AVMD information" to display frame boarder and a trace on the screen.
				X	-	-	On WV-ASE204P and WV-ASE204CH only, added a setting to select AUDIO ON or OFF.

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1.40 (2.3.9.0) July, '13	C			X	In converting a n3r file into an mp4 file downloaded from recorder, conversion looked uncompleted (Start button looked in grey and available Cancel button only) although it was completed. (Occurrence frequency : High）	Attempting a n3r file into an mp4 file.	Fixed the Start button to be available upon completed.
				X	Unable to convert n3r file to mp4 file. (Occurrence frequency : High）	Attempting to convert n3r files (those were recorded 360-degree cameras on WJ-NV200) to mp4 file.	Fixed to convert properly.
				X		Attempting to convert n3r files in JPEG downloaded from BB-HCM series cameras.	
				X	-	-	On WJ-GXE500, Supported audio transmission in Internet mode.

Added on July 24
1.40 (2.3.9.0) July, '13
	C				X	While running the software, the message as follow is shown, unexpectedly;
						    The registered demo license expired.
						    To use the unit continuously, registration of the regular product license is required.
						  * Clicking the [OK] button allows this software to be automatically terminated.
						(Occurrence frequency : High）
							It happens, when it corresponds to one of the following;
							1. if the clock of PC were backed 10 min or more while running the software.
							2. if the clock of PC were backed before the time of the software installation.
							3. if either the "1" or "2", above, were done even if the demo license has been registered as option.
								Fixed not to show the message, unexpectedly.

2.01 (2.5.1.0) Nov., '13	C				X	-	-	Changed model numbers for unifying a model; 1. For NTSC markets (except Japan) model: from "WV-ASM200P" to "WV-ASM200". 2. For PAL markets (except China) model: from "WV-ASM200E" to "WV-ASM200". 3. For Japanese market model: "DG-ASM200" to "WV-ASM200". Note: It is NOT changed for Chinese market model.

				X	-	-	Registration of all old and new options were enabled;
							  Old models: DG-ASE201,ASE202,ASE203,WV-ASE201P,ASE202P,ASE203P,ASE204P,WV-ASE201E,ASE202E,ASE203E
							  New models: WV-ASE201,ASE202,ASE203,ASE204
							Notes:
							1. Impossible to register WV-ASE201,ASE202,ASE203,ASE204 on firmware version 1.40 or older, and upgrading version 2.00 is required to register WV-ASE201,ASE202,ASE203,ASE204.
							2. WV-ASM200/CH accepts the options only for WV-ASM200/CH.

				X	-	-	Support WV-ASR500 and WV-ASF900 Note: It requires the license registration of WV-ASE231 (sold separately).
				X	-	-	Support WV-SW598J, WV-SC558, WV-SF138 and WV-SW158.
			X		Unable to transmit audio from another PC. (Occurrence frequency : High）	After disconnecting automatically due to past 5 min. audio transmission..	Fixed to transmit, properly.
			X		The application software was terminated, abnormally. (Occurrence frequency : Low）	While receiving video from camera through the internet.	Fixed the software not to terminate.
				X	-	-	Added "Same size display" (neither enlargement nor shrink are made) as choice for selecting how to display the image area.
				X	-	-	Added a setting menu of "Smooth display (buffering)" that displays the live/playback picture smoothly.

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2.01 (2.5.1.0) Nov., '13	C			X	-	-	Changed system requirement on PC. ".NET Framework 4.0" is required. Upon running "Setup.exe", ".NET Framework 4.0" will be installed first if it were NOT installed on the PC although the previous version requires ".NET Framework 2.0".
				X	Unable to control PAN/TILT. （Occurrence frequency : High）	In a case, switching between "Full screen" and "normal windows size" (exit Full screen) during PAN/TILT.	Fixed to control PAN/TILT, properly.
2.02 (2.5.1.0) Jan., '14	U			X	Some SANYO cameras might not be listed.	Cameras registered on WV-ASR500.	Fixed to list them, properly.
				X	-	-	On WV-ASM200/CH, supported registering WV-ASR500.
				X	-	-	On face search alarm notification, added indicating Similarity between registered face and detected face.
				X	-	-	For Japanese market models only; When registering DG-ND400(K) (Japanese market model) version 4.02 (and newer), no prefix of model numbers on camera (such as DG, WV, BB) are displayed due to specification changed on recorder. Also fixed that DG-ASM200 (Japanese market model) on previous version might show "**-" as registered camera(s) if DG-NV200 (Japanese market model) were registered.
2.10 (2.5.1.0) Feb., '14	C			X	-	-	Supported WV-ASE205 (sharpen image).
				X	-	-	Added a function to judge face image quality (based on detecting eyes' position) at registration on WV-ASF900.
				X	-	-	Supported watchdog function to WV-ASF900.
				X	-	-	Supported "Alarm linkage function". When receiving an alarm notification that is from a camera used for the alarm linkage function and whose alarm type is registered for the alarm linkage function, live images will be displayed according to the settings configured for the corresponding group.
				X	-	-	Supported anti-aliasing.
				X	-	-	Improved missing frame in the Internet mode.
				X	-	-	Supported Windows8.1.
				X	-	-	Added a setting to select displaying Panasonic logo ON or OFF.
				X	-	-	Supported WV-SFV631L, WV-SFV611L, WV-SFN631L, WV-SFN611L, WV-SFR631L and WV-SFR611L.
			X		ASM200 did not show MP4 converted data in designated output path although the data is exist. （Occurrence frequency : High）	Concerning with converting MP4 files, output path were specified to External USB HDD that is formatted NTFS by a PC under 32-bit OS and connect with another PC under 64-bit OS.	Improved to show an error message "Output folder cannot be selected. Please select other folder."
			X		Converting MP4 file may not completed. （Occurrence frequency : Low）	In a case, converting a certain n3r file.	Fixed to show an error message "It is impossible to convert the file, because the file may contain errors. Please convert again after changing start time or end time for download." and quit conversion.
			X		Converting MP4 file did not complete. （Occurrence frequency : High）	When made converting from n3r to MP4 files those had downloaded from two or more recorder simultaneously.	Fixed to convert, properly.

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2.11 (2.5.1.0) Apr., '14	C				X	Unable to search #17 - #24 by VMD.	Using with 24-ch license for WJ-NV200.	Fixed to work it, properly.
					X	-	-	Supported PTZ control on Live monitor.

2.20 (2.7.2.0) June, '14					x	-	-	Supported functions as follows on WV-ASF900;
								(1) Search on 2 or more servers.
								  For details, please refer to the instruction manual for WV-ASF900.
								(2) Register 2 or more face images of a same person
								  For details, please refer to "Register 2 or more face images of a same person" in Operating Instructions.
								(3) Constant display for displaying high profile persons.
								  For details, please refer to "Check the alarm notification" in Operating Instructions.
								(4) Category
								  For details, please refer to "Settings relating to the face search" in Setup Instructions and "Search face" in Operating Instructions.
								(5) Register information of eye position
								  It is allowed to register on server although it displayed on the client previously.
								  This makes the same information about eye position can be used on both server and client.

					x	-	-	Added "WMV" as a choice to convert an n3r file into the standard format. Please refer to the "Convert a file to the standard format" in Operating Instructions.
					x	-	-	Improved audio quality at converting a file to the standard format.
					x	Quitted converting a file to the standard format unexpectedly.	In a case inconvertible data were exist near the end of file.	Fixed that it would be skipped to continue converting.
					x	-	-	Expanded coverage of the option to display Panasonic logo onto "Face Search" window.
					x	-	-	Supported WJ-NV300 series.
					x	-	-	Supported 4-stream, 3M resolution and other resolutions (1600x1200,400x300,160x120,160x90) on WV-SFV631L,WV-SFV611L,WV-SFN631L,WV-SFN611L,WV-SFR631L,WV-SFR611L.
					x	-	-	Improved function at SD operation panel.
				x		ASM200 may not response approx.10sec （Occurrence frequency : Very rare）	Click Frame advance repeatedly while heavy-load on PC.	Improved no response time from approx.. 10 sec. to 3 sec.
					x	-	-	Improved that alarm input channel from individually registered camera would be realized.
				x		Some of 16-screen display may be solid black. （Occurrence frequency : Very rare）	While in 16-screen display sequence.	Fixed not be black screen.
					x	-	-	In "Save recorded images", added "Save as BMP" addition to "Save as JPEG". What the "Save as JPEG" saves images is what you see (Example: save it while in 2xzoom, the 2xzoom image will be saved). But "Save as BMP" saves the incoming image from the camera (Example: Full HD will be saved if Full HD image comes from the camera).

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2.21 (2.7.2.0) July, '14	C				x	-	-	Changed time-out for Face search from 30 sec. to 10 min.
				x		Shifted detected eye position to be incorrect position.	By deleting the representative face image.	Fixed not to shift the detected eye position.
				x		Restore the setting of alarm sensitivity to 1.00 (factory default), unexpectedly.	By editing registered face image list.	Fixed.
3.00 (2.7.2.0) Sept., '14	U				x	-	-	Supported WV-SMR10 and WV-SMR10N3 and collecting sound of up to 2 designated points. Supported sound at live and playback via WJ-NV300.
				x		-	-	Supported WJ-NV250.
				x		-	-	Supported new models as follows; WV-SPN631, WV-SPN611 and WV-SFV631LT. WV-SFV311, WV-SFV310, WV-SFN311, WV-SFN310, WV-SFN310, WV-SFR311 and WV-SFR310.
				x		-	-	Added a function of displaying Timeline.
				x		-	-	Added a single sign-on function by Windows login user (Corporation function with Active Directory).
				x		-	-	Improved Face search function as follows; - Display the face image with red frame when alarmed and display the high profile person by classifying in category. Note: Setting of List of high profile persons mut be "ON". - Display Alarm list in 2 windows; the upper shows latest 3 events and the other shows the remaining events with scrolling. - Changed the factory default setting value of alarm sensitivity for face registration from 1.00 to 1.04.
3.01 (2.8.15.0) Sept., '14	C			x		Unable to show live picture of 360-degree cameras through WJ-NV300. （Occurrence frequency : High）	While setting Internet mode, switching video on 360-degree cameras and audio on linked 360-degree microphones from "Live" and from "Playback" to "Live".	Fixed live picture to be displayed properly.
				x			When attempting to display live picture of 360-degree network cameras through WJ-NV300 and live picture with audio of the linked 360-degree microphone while Internet mode (over HTTP) is ON and Smooth display (buffering) is ON.	
				x		Out of synchronization between videos of 360-degree camera and audio of linked 360-degree microphones. （Occurrence frequency : High）	When execute playing back recorded picture of 360-degree cameras on WJ-NV300 and playing back audio of the linked 360-degree microphone by "Go to date" sequentially.	Fixed not to be out of synchronization of the AV.
				x		Timeline service may stop, unexpectedly. （Occurrence frequency : Low）	In a case, timeline on 2 recorders are activated simultaneously, one is in daylight saving time (summer time) and the other is out of daylight saving time (summer time).	Fixed.
3.10 (2.9.2.0) Nov., '14	C				x	-	-	Supported displaying live picture on WJ-Nd400 that was supported the Network Microphone, Model WV-SMR10 and WV-SMR10N3.
				x		Lost category name that was registered when registering face image. （Occurrence frequency : High）	By loading a configuration setting data created on older version.	Fixed not to loose category name even if loading a configuration setting data created on older version.

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3.10 (2.9.2.0) Nov., '14	C				x	A part of video in sequence may not be displayed. （Occurrence frequency : Low）	While in Sequence.	Fixed display appropriate picture while in Sequence.
					x	The fisheye images in the function of "Display Single/Quad PTZ image converted from fisheye images", displayed only for an moment. （Occurrence frequency : Low）	When playback in fast playback mode and other special playback for fisheye picture.	Fixed to playback properly.
3.10 (2.9.2.0) Nov., '14	C				x	Picture may be solid black. （Occurrence frequency : Low）	While in Sequence.	Fixed display appropriate picture while in Sequence.
				x		-	-	Added a function of VMD search on playback those were recorded in 16:9 aspect ratio.
					x	Failed the application software for configuration. （Occurrence frequency : High）	By removing a sequence among the default screen 2 to 4 and adding it in a group.	Fixed not to fail the application software.
					x	Occurred WV-ASF900 device error. （Occurrence frequency : High）	Run the system after loading a configure setting data of WV-ASM200 with WV-ASF900 registration without the license of ASE231.	Fixed.
3.13 (2.9.2.2) Feb., '15	C				x	Display may become solid black picture.	While in sequence.	Fixed.
					x	Starting up may failure. （Occurrence frequency : Low）	When starting up with 2 or more live monitors.	Fixed.
					x	Unable to register camera.	Camera is one of the followings; WV-SFV311, WV-SFV310 WV-SFR311, WV-SFR310 WV-SFN311, WV-SFN311L, WV-SFN310 WV-SPN311, WV-SPN310, WV-SPN531 WV-SPW631L, WV-SPW631LT, WV-SPW531LH WV-SPW611L, WV-SPW611, WV-SPW311LH and firmware version is 1.58.	Fixed.
3.20 (2.10.12.0) Feb., '15	C				x	-	-	Improved the face search function as follows; 1. Latest 100 alarms will be displayed on the screen when displaying the "Alarm" page for the first time, or when re-opening the "Face search monitor" window. 2. Added a function to delete unnecessary alarms from the list of "Alarm" tab. 3. Added outputting alarm search result at the "List" tab of the "Alarm search" page. 4. Added a function that image size could be selected from 5 different sizes in the search result; 1 (Small): 72×72, 2: 90×90, 3: 120×120, 4: 140×140, 5 (Large): 180×180. 5. Added a function to display the face image in the original size. 6. Added a function to register "Category color" in the "category name list". 7. Fixed the failure of detecting eyes at registering a face image on playback that was recorded in 16:9 aspect ratio. 8. Display Matching face and the face image in the popup window of alarm notification. 9. Fixed some face alarm to be missing. 10. Old list of camera-related device might be saved after even if the devices were increased/decreased by new search.

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WV-ASM200 PC Software Package, Release Note

This document describes software package upgrade for WV-ASM200.

1. Release version： 5.13
2. Release Note Reference Number： ASM200_032R

VER (ActiveX VER) Release Date	Priority Rank Level					Contents		
		A	**B**	**C**	**U**	**Issue (Phenomenon)**	**Occurrence condition**	**Correspondence**

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)

VER (ActiveX VER) Release Date	A B C	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
3.20 (2.10.12.0) Feb., '15	C				x	-	-	Supported WV-SFN480,WV-SFV481 and 9M 360-degree cameras via WJ-NV300. Note: ActiveX must be version "2.10.12.0" (or newer).
					x	-	-	Added a mode to enhance contrast (RGB: 0-255).
					x	-	-	Added Direct2D mode for rendering to avoid displaying jumpy frames.
					x	-		Improved functions on 360-degree network microphone; 1. Select the volume compensation level for the network microphone when the sound collection position is enabled. 2. Added a function to select noise reduction level for the microphone (High/Low/OFF). 3. Added a mode to display sound collection position during in live/playback.
					x	-	-	Added "8x" electronic zoom function.
				x		Unable to receive alarms, (Occurrence frequency : Low)	After restarting PC.	Fixed.
				x		Service error might be displayed. (Occurrence frequency : Low)	After restarting PC.	Fixed.
				x		Alarm may not be popped up. (Occurrence frequency : Low)	After restarting WV-ASM200.	Fixed.
				x		Unable to control PTZ. (Occurrence frequency : High)	While in 25-screen (or more). Version 3.00 and newer.	Fixed.
				x		Quitted operation monitor, unexpectedly. (Occurrence frequency : High)	While in 25-screen (or more) and pop-up the Live monitor, automatically. Version 3.13.	Fixed.
				x		Freeze playing back at a certain position (disconnected position). (Occurrence frequency : High)	While in recording, once disconnected camera and restored to record by configuring camera directly. Version 1.30 and newer.	Fixed.
3.30 (2.11.1.0) May, '15	C				x	-	-	Supported 9-megapixel 360-degree Network Cameras (WV-SFV481 and WV-SFN480 as of April 21, 2015) via WJ-ND400.
					x	-	-	Supported the Intelligent function (People Count (Cross line), Heat map (High Traffic Zone / Long-stay Zone)) on the 9-megapixel 360-degree Network Cameras.
					x	-	-	Supported 2 slots and 2 streams at playing back and download from SD memory card.
					x	-	-	Supported microphone volume control for network microphone.
					x	-	-	Optional extension function on 360-degree network cameras that required license registration became standard feature.
				x		Unable to display listing and to playback from SD memory card. (Occurrence frequency : high)	While recording images configured 20MB onto SD memory card.	Fixed.
				x		Failed to notify Face matching alarm notification.	In the languages of German, Spanish, French, Italian, Russian.	Fixed.

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	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)						
	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
3.30 (2.11.1.0) May, '15	C			x	Incorrect camera image may be jumped in sequence display. (Occurrence frequency : Low)	While sequence display for two or more recorders.	Fixed.
				x	Images may be disturbed while in sequence mode. (Occurrence frequency : Low)	While monitoring live picture.	Fixed.
3.40 (2.12.3.0) June, '15	C				x	—	—	Supported PeopleSearchServer that is an option of WV-ASFE9000W/9001W/9005W/9010W.
				x	—	—	Added a parameter of "Similarity" at a function of "Search by face". Refine Search by similarity is available. Also it available to show images those are a desired similarity as a search result. Note: Required ASF900 must be upgraded to version 3.00 (or newer).
				x	—	—	Search conditions 1 and 2 would be able to determine from paused playback images. In the face image registration, changed a word of right-click menu from "Select face thumbnail..." to "Register this face".
				x	—	—	Supported 2-slot and 2-streaming for SD memory download function. Note: The firmware version of cameras must be "1.85" or newer.
			x		Downloading Timeline may trouble. (Occurrence frequency : Low)	In a case using HDD by NDR for a long term.	Fixed to download it, properly.
			x		9M 360-degree camera image may be jumpy. (Occurrence frequency : High)	In a case converting the recordings of 9M 360-degree camera from high bitrate (12Mbps) to standard format.	Fixed to playback it, properly.
			x		Playback video of 9M 360-degree camera may look delay. (Occurrence frequency : Low)	If skipping a black images in playback were made while in heavy load.	Fixed to playback it, properly.
			x		Missing 1-hour recording. (Occurrence frequency : High)	At the end of Summertime (Daylight Saving time).	Fixed.
			x		Unable to save the statistical graphics of head-count. (Occurrence frequency : High)	MS-Excel 2010 (or newer) are NOT installed on the PC.	Fixed to save it in csv-file.
			x		Unable to display the statistical graphics of head-count. (Occurrence frequency : High)	By opening csv-file without the line settings from camera at the beginning of downloading.	Fixed to playback it, properly.
			x		Unable to display the heat map or people count in which they are downloaded to the past. (Occurrence frequency : High)	In a case the download them from camera without connecting cameras.	Fixed them, properly.
			x		An error message "DataVisualizer has stopped working." may appeared at starting heat map function. (Occurrence frequency : Low)	The configuration file is corrupted at the time of the previous end.	Fixed to start it up, properly.
			x		It might display full rate instead of a specified interval of refresh rate ("Full HD and 4-/9-/16-/25-/36-/49-/64-screen" or "SXVGA and 16-/25-/36-/49-/64-screen" (Occurrence frequency : High)	In a case, using network microphone with camera and "AV Time Alignment" is "ON".	Fixed to display, properly.
			x		Video may be a black image. (Occurrence frequency : High)	In a case, using network microphone with camera, "AV Time Alignment" is "ON" and switching images.	Fixed not to display a black screen.
				x	—	—	Improved making IP address to be zero suppress at the device registration.
				x	—	—	Added a mode that AVMD frame (red frame) would be displayed after AVMD alarm was confirmed when "Frame display (only after determination)" was selected from "Frame display (before and after determination)" and "Frame display (only after determination)".

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VER (ActiveX VER) Release Date	Priority Rank Level				Contents: 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)		
	A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
3.40 (2.12.3.0) June, '15			C	x	–	–	In English only; Changed an English text at "Visibility Enhancement Text Display" from "This image is modified" to "This image is enhanced.".
4.00 (2.12.4.0) Aug. '15			C	x	–	–	Supported 4K resolution cameras; - Supported 4K3K and 4K2K resolution cameras - Supported cropping display at client side.
				x	–	–	Supported 4K monitor.
				x	–	–	Improved heat map function (expanded the people count of fonts to be displayed on the screen).
				x	–	–	Supported new cameras; - WV-SFN531,WV-SFV531,WV-SFR531 - WV-SW397, WV-SC387, WV-SC364, WV-SW374
				x	–	–	SNP(Scalable Network Pack) and MMCSS(Multimedia Class Scheduler Service) to be disabled automatically during installation.
		x			Results of Face Search and Alarm Search indicated 1 hour earlier than actual..	During Sumer time (Daylight Saving Time).	Fixed.
		x			Terminated the software unexpectedly by closing the list.	After opening the recording list under the following conditions; 1. Cameras: Refer to Group A in the following table. 2. Existing no recording data on SD memory card.	Fixed.
		x			Unable to download.	In cases as follow; 1. Cameras: Refer to Group B in the following table. 2. Date format: YYMMDD 3. Time format: 12h	Fixed.

Group	Model (camera)	Firmware version
Group A	6-series cameras, new 3-series cameras	1.85 or later
	WV-SF138, WV-SW158, WV-SW458, WV-SW458M, WV-SF448, WV- SF438, WV-SP509, WV-SP508,	1.62 or later
Group B	6-series cameras, new 3-series cameras	Earlier than 1.80
	9M Fisheye network cameras	All
	WV-SF138, WV-SW158, WV-SW458, WV-SW458M, WV-SF448, WV- SF438, WV-SP509, WV-SP508,	Earlier than 1.62
	WV-SP306, WV-SP305, WV-SP302, WV-SF336, WV-SF335, WV-SF332, WV-SF346, WV-SF342, WV-	All

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4.10 (2.13.6.0) Oct.,'15			C	x	-	-	Supported Windows10.
				x	-	-	Stopped using SQL Server 2005, and version 4.10 (and newer) uses the SQL Server 2012 only. Previously, used both the SQL Server 2005 and the SQL Server 2012, depends on OS (Operating System).
				x	-	-	Supported new cameras; WV-SFV311A, WV-SFV310A, WV-SFR311A, WV-SFR310A, WV-SFN311A, SFN310A/SFN310AJ, WV-SPN311A, WV-SPN310A/SPN310AV, WV-SPN531A, WV-SPW311AL, WV-SPW312L, WV-SPW531AL and WV-SPW532L

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WV-ASM200 PC Software Package, Release Note

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1. Release version： 5.13
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VER (ActiveX VER) Release Date	Priority Rank Level				Issue (Phenomenon)	Occurrence condition	Correspondence
	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			
4.10 (2.13.6.0) Oct.,'15				x	-	-	Improved the function of heat map; - Matching display the value of people count by crossing a line with the one on camera browser.
Added on Feb. 4,2016				x	Occur an Error "-22176406" at converting n3r files to the standard format. (Occurrence frequency : High) Added on Feb. 12,2016	On version 4.00 4.10 with ActiveX version 4.27 or earlier.	Fixed.
4.11 (2.13.6.0) Dec.,'15	C			x	In search face and search alarm notification, unable to search by both start time and end time. (Occurrence frequency : High)	On version 4.10. When selecting "Japanese", "English" or "Chinese" at "Language and regional options" on MS-Windows.	Fixed.
				x	Unable to do statistics display. (Occurrence frequency : High)	On version 4.10. When selecting a language that shows a character except slash, "/", as separator of date at "Language and regional options" on MS-Windows.	Fixed.
				x	Unable to load backup data. (Occurrence frequency : High)	When selecting a language that uses a character except dot, ".", as decimal points at "Language and regional options" on MS-Windows.	Fixed.
5.00 (2.15.1.0) April, '16	C			x	-	-	Improved to display a camera image by drag & drop around the camera image area the desired camera icon in the camera tree.
				x	-	-	Improved displaying 1-screen image by double-click the selected area while displaying multi-screen images on the operation software.
				x	-	-	When "ON" is selected for "Resume playback at camera switching", improved playing back the newly selected camera from a point at the same playback time of the playback of images from the previously selected camera. Or, when "OFF" is selected, display live images from the newly selected camera.
				x	-	-	Added multi(3, 6, 7, 10 and 13)-screen display.
				x	-	-	Improved the device tree display can be displayed the form of the folder tree display by using the setup software..
				x	-	-	Improved the panel bar will be displayed next to the function panel when "ON" is for "Bar set up for panel display/hide". Also improved the function panel can be displayed or hidden When the [△] icon on the panel bar is clicked.
				x	-	-	Improved the operation window display size can be changed between the range of 1280x800 (smallest) and 3840x3840 (largest) with the mouse operation.
				x	-	-	Supported new cameras: WV-SFV110,WV-SFV130, WV-SFN110 and WV-SFN130.
				x	-	-	Improved that the audio setting to be "ON" automatically by connecting a recorder that registered microphone.
				x	-	-	Supported WV-ASF900 Ver4.00.
				x	-	-	Added a choice of "Aspect ratio (type 2)" at "Image display method". In the aspect ratio mode, images will be displayed in the selected area while keeping its aspect ration. It can be displayed larger size, however, the CPU load goes up.

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		A	B	C	U	Issue (Phenomenon)	Occurrence condition	Correspondence
5.00 (2.15.1.0) April, '16	C				x	-	-	Supported the software tool for upgrading software.
				x		Unable to download heat map / people count. (Occurrence frequency : High)	In a case, collecting them once from a camera without WV-SAE200 registration, then register WV-SAE200.	Fixed.
					x	Unable to download heat map / people count. (Occurrence frequency : High)	In a case, WV-ASM200 has had a part of data (a part of specific period) and downloading without camera connection.	Fixed.
5.10 (2.15.1.0) July, '16	C				x	-	-	Improved taking over the license information even if Windows 10 were a major upgraded.
					x	-	-	Added a function the positions of both eyes to be displayed correctly at registering the result of face search.
					x	-	-	Improved switching the connected devices in the tree view automatically when editing the folders.
					x	Refresh rate may not be effected as configured. (Occurrence frequency : Mid)	While playback in multi-screen, also mixing up small and large screens.	Fixed.
					x	Displaying camera titles may be delayed. (Occurrence frequency : Low)	When switching the display of group display.	Fixed.
					x	Shifted camera position by drag zoom on PTZ cameras. (Occurrence frequency : High)	On software version 5.00 only. Also by making drag zoom on PTZ cameras while in scaling mode.	Fixed.
					x	Replaced displays of some areas on 10-screen and 13-screen. (Occurrence frequency : Mid)	When group display in 10-screen and 13-screen. Also on ".net framework" version 4.5 only.	Fixed.
					x	Unable to display a certain area only. (Occurrence frequency : High)	By making drag & drop for multiple devices such as 49-screen, specifying by a folder.	Fixed.
					x	Unable to switch between 1-screen and multi-screen by double-click. (Occurrence frequency : High)	By switching to another camera while in the cropping.	Fixed.
					x	Unable to make drag & drop. (Occurrence frequency : High)	Made EL-zoom once, then back to same size display mode.	Fixed.
5.11 (2.16.4.0) Apr, '17	C				x	-	-	Changed company name from Panasonic System Networks Co., Ltd. to Panasonic Corporation.
					x	Unable to select a day at the calendar in download.	When selecting "DD/MM/YYYY" format.	Fixed.
					x	Unable to edit registered faces.	Registered a face on WV-ASF900 version 3.xx and upgrade to version 4.xx.	Fixed.
					x	WV-ASM200 may terminate abnormally by clicking "Video image source" at "Device Registration" window in Face search monitor.	On Setup software.	Fixed.
					x	Unable to use QSV under Win 8.1 or Win 10.	When using with 4K cameras.	Fixed.
					x	CPU load may become high when using timeline function.	In a case many recorder are connected.	Fixed.
					x	Unable to transmit audio from WV-ASM200.	When authentication at audio setting of camera is set to ON.	Fixed.
					x	Unable to transmit audio.	In a case using a combination of Fisheye camera and Network microphone in Internet mode.	Fixed.

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5.12 (2.16.5.0) Nov., '17	C			x	Application software may hang if making high-speed playback / reverse playback repeatedly.	Under a network environment with high packet loss frequently.	Fixed.
				x	Displayed the occurrence time of image reception error in GMT even if it were set in another time zone.	When the image reception error occurred in the live monitor.	Fixed.
				x	Unable to download even if "Download" were selected from the right click on the image.	By selecting in the Folder tree window.	Fixed.
Corrected on Jul.,2017 5.13 ~~5.12~~ (2.16.5.0) Jul., '18	C			x	License information may be lost and/or may become the demo license version by upgrading Windows OS.		Fixed.