

V series functional compatibility

- This document contains descriptions of functional compatibility with Recorder, Tool and so on, and their restrictions. It is recommended to read them while referring to the manual of Recorder with this product together.
- Depending on the model used, the screens shown in the explanations may differ to the actual camera screens.
- This document describes following models as of February 2017.
 - WV-V2530LK (Software version V2.42)
 - WV-V1330LK (Software version V2.42)
 - WV-V2530L1 (Software version V2.42)
 - WV-V1330L1 (Software version V2.42)
 - WV-V1170 (Software version V2.42)
 - WV-V6430L (Software version V2.42)

Revise Record

VER.	Date	Item no.	Comment	Revise trigger
1.00	10 Dec. 2016	-	Original	-
1.01	20 Feb 2017	1 2.1 3	-Update software version of camera. -Update ASM200 information. -Update "Panasonic Security Viewer" information. -Add ASM300 and NX400 information. -Add WV-V1170 and WV-V6430L information.	
1.02	28 March 2017	1	-Update information about a combination of V1170 and "Panasonic Security Viewer Via Recorder"	

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1. Supported products and functional compatibility

	Function	WV-V2530LK	WV-V1330LK	WV-V2530L1 WV-V1330L1	WV-V1170	WV-V6430L
WJ-NV300 (V1.70) *5	MJPEG	[SW559]*1	[SW558]*1	[SW558]*1	-	[SW598]*1
	H.264	[SW559]*2	[SW558]*2	[SW558]*2	[SPV781]*15	[SW598]*2
	Audio *3	[SW559]	-	-	[SPV781]	[SW598]
	PTZ	-	-	yes *4	-	yes
	VMD Search	-	-	-	-	-
WJ-NV200 (V2.60) *5	MJPEG	[SW559] *1	[SW558] *1	[SW558] *1	-	[SW598]*1
	H.264	[SW559]*2	[SW558]*2	[SW558]*2	-	[SW598]*2
	Audio *3	[SW559]	-	-	-	[SW598]
	PTZ	-	-	yes *4	-	yes
	VMD Search	-	-	-	-	-
WJ-ND400K (V5.50)	MJPEG	[SW559] *1	[SW558] *1	[SW558] *1	[SPV781]*1	[SW598]*1
	H.264	[SW559]*2	[SW558]*2	[SW558]*2	[SPV781]*15	[SW598]*2
	Audio *3	[SW559]	-	-	[SPV781]	[SW598]
	PTZ	-	-	-	-	yes
	SD memory recording	-	-	-	-	-
	VMD Search	-	-	-	-	-
WJ-NX400 (Initial version) *10	MJPEG	[SW559] *1	[SW558] *1	[SW558] *1	-	[SW598]*1
	H.264	[SW559]*2 *11	[SW558]*2 *11	[SW558]*2 *11	[SPV781]*15	[SW598]*2
	H.265	-	-	-	-	-
	Audio *3	[SW559]	-	-	[SPV781]	[SW598]
	PTZ	-	-	yes *4	-	yes
	SD memory recording	-	-	-	-	-
	VMD Search	-	-	-	-	-

WJ-ND300A (Discontinued model)	-	-	-	-	-	-
WJ-ND200 (Discontinued model)	-	-	-	-	-	-
WV-ASM200 (V5.10) Direct connection to camera	MJPEG *7	yes*8	yes*8	yes*8	yes*8	yes*8
	H.264 *7	yes	yes	yes	yes	yes
	Audio*3 *9	yes	-	-	yes	yes
	PTZ	-	-	-	-	yes*16
	Internet mode (over HTTP)	-	-	-	-	-
	Operation of SD memory card	-	-	-	-	-
WV-ASM200 (V5.10) Via Recorder	MJPEG	[SW559]*8	[SW558]*8	[SW558]*8	-	[SW598]*8
	H.264 *7	[SW559]	[SW558]	[SW558]	[SPV781]	[SW598]
	Audio*3 *9	[SW559]	-	-	[SPV781]	[SW598]
	PTZ	-	-	-	-	yes*16
	Internet mode (over HTTP)	[SW559]	[SW559]	[SW559]	[SPV781]	[SW598]
	VMD Search	-	-	-	-	-
WV-ASM300 (Initial version) Direct connection to camera	MJPEG	-	-	-	-	-
	H.264	-	-	-	-	-
	H.265	-	-	-	-	-
	Audio	-	-	-	-	-
	PTZ	-	-	-	-	-
	Internet mode (over HTTP)	-	-	-	-	-
	Operation of SD memory card	-	-	-	-	-

	Camera detail Setup	-	-	-	-	-
WV-ASM300 (Initial version) Via Recorder *10	MJPEG	[SW559]*8 *12	[SW558]*8 *12	[SW558]*8 *12	[SPV781]*8 *12	[SW598]*8 *12
	H.264 *7	[SW559] *12	[SW558] *12	[SW558] *12	[SPV781] *12	[SW598] *12
	H.265	-	-	-	-	-
	Audio*3 *9	[SW559]	-	-	[SPV781]	[SW598]
	PTZ	-	-	-	-	yes*16
	Internet mode (over HTTP)	[SW559]	[SW559]	[SW559]	[SPV781]	[SW598]
	VMD Search	-	-	-	-	-
	Camera Detail Setup	[SW559]*14	[SW558]*14	[SW558]*14	[SPV781]*14	[SW598]*14
WV-ASM100	-	-	-	-	-	-
WV-ASC970	-	-	-	-	-	-
WJ-GXD400	-	-	-	-	-	-
BB-HNP17	-	-	-	-	-	-
Panasonic Security Viewer	Live (MJPEG)	yes *13	yes *13	yes *13	yes *13	yes *13
Direct connection to camera *10	Operation of SD memory card	-	-	-	-	-
	PTZ	-	-	-	-	yes
Panasonic Security Viewer	Live(MJPEG)	[SW559]*13	[SW558]*13	[SW558]*13	[SPV781]	[SW598]*13
Via Recorder	Playback(H.264)	[SW559]	[SW558]	[SW558]	[SPV781]	[SW598] *13
*10	PTZ	-	-	-	-	yes
Easy IP Setup Tool	Detect camera	yes	yes	yes	yes	yes

(V4.25)	Network Settings	yes*6	yes*6	yes*6	yes*6	yes*6
Panasonic Security System Configuration Tool	Detect camera	yes	yes	yes	yes	yes
(V5.9.0.1)	Network settings	yes*6	yes*6	yes*6	yes*6	yes*6
	Other settings	-	-	-	-	-
	Download Configuration and Log Files	-	-	-	-	-
	Upload Configuration Files	-	-	-	-	-
	Upgrade Firmware	-	-	-	-	-
NWDR Calculator	-	-	-	-	-	-

[substitute model] : Register as a substitute model.

*1 : Support 640x480,320x240 and 640x360.

*2 : Support 1920x1080,1280x720 and 1280x960. Supported up to 30 ips

*3 : Supported G.726.

*4 : Only zoom and focus from Main monitor.

*5 : Detail compatibility is shown in Section 3.

*6 : Support Static IP and DHCP. Auto (AutoIP) and Auto (Advanced) are not supported.
Supported Port No is 80, 1025 to 65535. Port No 1 to 79 and 81 to 1024 cannot be set.

*7 : “Time & date” and “REC indicator” are not shown on “Information display area.
Only “Camera name” is shown.

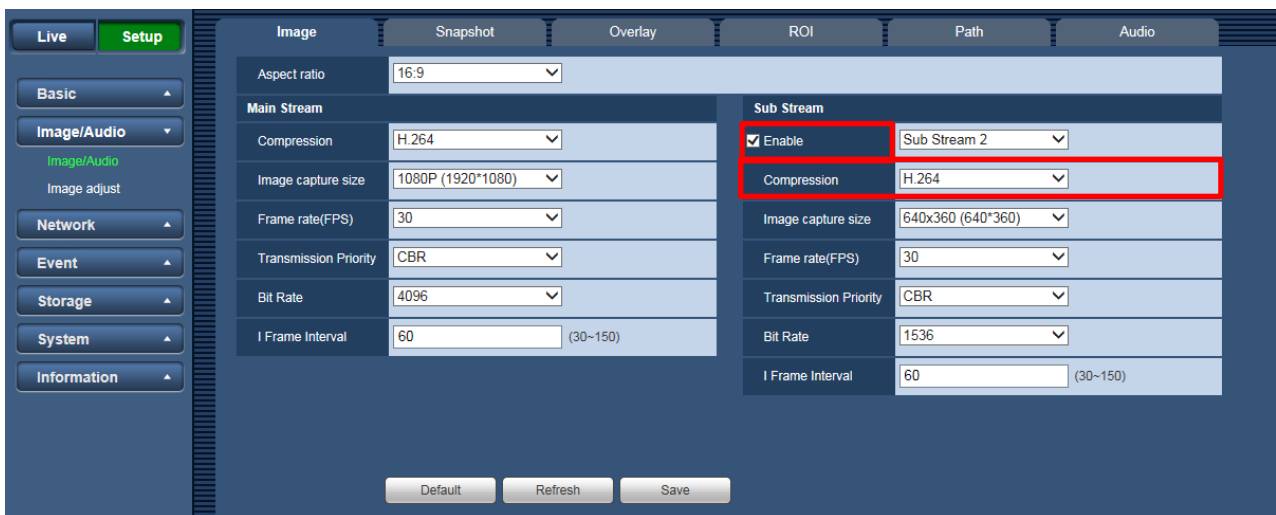
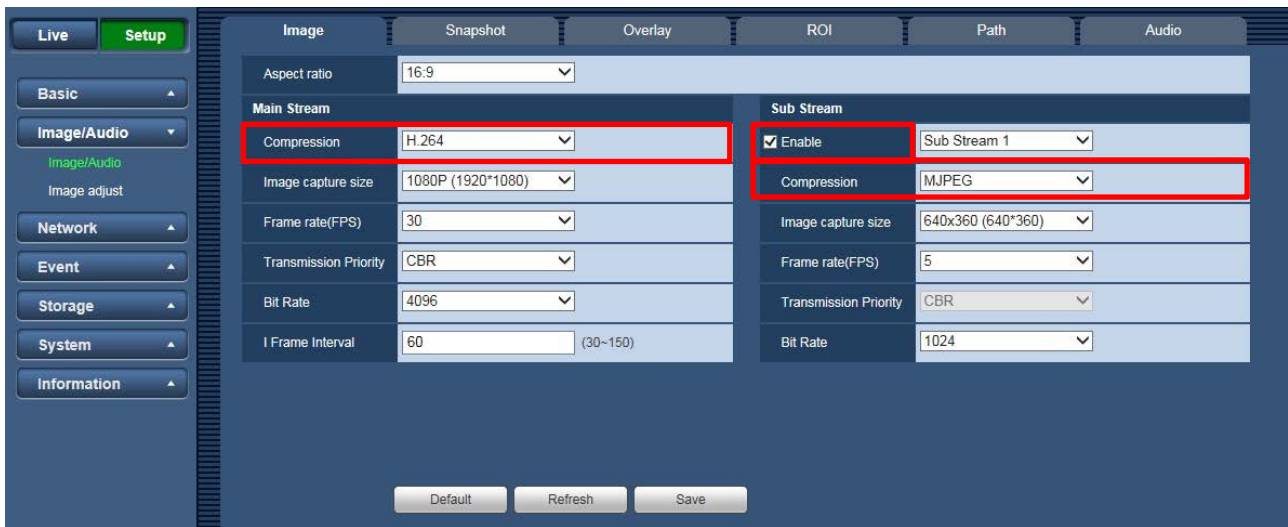
*8 : Support “VGA/640x360 and QVGA. Auto is not supported.
Supported from 1ips to 30ips for Refresh interval(JPEG).
Less than 1ips cannot be selected.

*9 : “Audio output” is not supported. Only “Mic input” can be used.

- *10: Camera software version V2.42 is required.
- *11: Support only RTP. RTSP and Internet mode are not supported.
- *12: Support “Live image source: Recorder”.
“Live image source: Camera” is not supported.
- *13: Resolution and framerate of MJPEG cannot be changed. It depends on the setting value for Sub stream 1. Supported up to 5 ips
- *14: Only support functions that camera have.
- *15 : Support 3840x2160,1920x1080,1280x720,2560x1920,2048x1536 and 1280x960.
- *16 : Support WV-CU650/WV-CU950.

2. Preparation to setup (Camera's setting)

2.1 Image



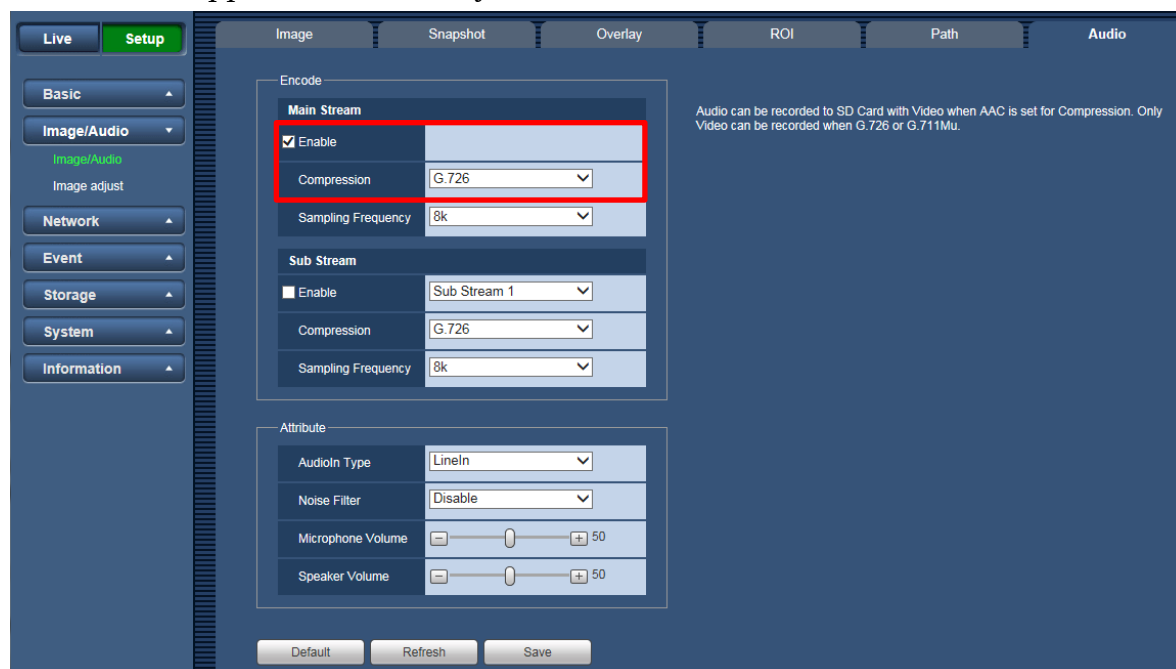
-Select "H.264" or "H.264H" for "Compression" of "Main stream". (default: H.264 or "H.264H")

-Check the box to Enable for Sub stream 1 and Sub stream 2, respectively. (default: Enable)

-Select "MJPEG" for "Compression" of "Sub stream 1". (default: MJPEG)

-Select "H.264" or "H.264H" for "Compression" of "Sub stream 2". (default: H.264 or "H.264H")

2.2 Audio (supported model only)



-Check the box to Enable for Main stream. (default: Enable)

-Select "G.726" for "Compression" of "Main stream". (default: G.726)

2.3 Multicast (optional)

The screenshot shows the 'Multicast' configuration page. On the left is a navigation menu with 'Setup' selected. The main area is divided into 'Main Stream' and 'Sub Stream' sections. The 'Sub Stream' section is highlighted with a red box. It contains the following fields:

Field	Value
Enable	<input checked="" type="checkbox"/>
Multicast Address	239 . 192 . 0 . 22 <small>(224.0.0.0-239.255.255.255)</small>
Multicast port	33024 <small>(1025-65534)</small>

Buttons: Default, Refresh, Save

The screenshot shows the 'Multicast' configuration page. On the left is a navigation menu with 'Setup' selected. The main area is divided into 'Main Stream' and 'Sub Stream' sections. The 'Sub Stream' section is highlighted with a red box. It contains the following fields:

Field	Value
Enable	<input checked="" type="checkbox"/>
Multicast Address	239 . 192 . 0 . 21 <small>(224.0.0.0-239.255.255.255)</small>
Multicast port	33014 <small>(1025-65534)</small>

Buttons: Default, Refresh, Save

-Check the box to Enable and set “Multicast Address” and “Multicast port” for each stream. (default: Disable)

3. Functional compatibility for WJ-NV200/WJ-NV300/WJ-NX400 in detail

Camera Setup

Menu/Tab	Setting item		Available range	Compatibility	Remarks
Camera setup	Date & time display	Display	Off, On	yes	
		Position	L-Upper, L-Lower, R-Upper, R-Lower	yes	
	Display title	Display	Off, On	yes	
		Display Title	(Text will be entered.)	yes	
	Indicator	Indicator	On, On(Access), Off	-	
	Transmission priority	Transmission priority	Frame rate, Advanced VBR	yes	Frame rate only (CBR is set)
		Burst tolerance level	High, Middle, Low	-	
		Control time period	1 h, 6 h, 24 h, 1 week	-	
		Priority setting	Image quality priority, Frame rate priority	-	-
		Smart coding (GOP control)	Off, On (Advanced)	-	-
	Max bit rate (per client)	Max bit rate (per client)	64 kbps, 128 kbps, 256 kbps, 384 kbps, 512 kbps, 768 kbps, 1024 kbps, 1536 kbps, 2048 kbps, 3072 kbps, 4096 kbps, 6144 kbps, 8192 kbps	yes	Available value depends on resolution and frame rate.
	Refresh interval	Refresh interval	0.2 s, 0.5 s, 1 s, 2 s, 3 s	yes	1s,2s,3s only

	Upside-down	Upside-down	On(desktop), Off (ceiling), Wall	yes	On,Off only
	Image rotation	Image rotation	0 ° (Off), 90 °, 180 ° (Upsidedown), 270 °	-	-
	Pan/tilt-flip	Pan/tilt-flip	Off, On	-	
	Super Dynamic (Wide dynamic range)	Super Dynamic (Wide dynamic range)	Off, On, On (High)	yes	Work for “On” and “On(High)” are the same
	Adaptive black stretch	Adaptive black stretch	Off, On	-	
	Back light compensation (BLC)	Back light compensation (BLC)	Off, On	yes	
	Light control mode	Light control mode	Outdoor scene, Indoor scene, Indoor scene(60 Hz)	yes	
	Auto slow shutter (Maximum shutter)	Auto slow shutter (Maximum shutter)	Off(1/30 s), Max. 2/30s, Max. 4/30s, Max. 6/30s, Max. 10/30s, Max. 16/30s	-	
	Day & Night (electrical)	Day & Night (electrical)	Off, Auto	yes	
	VMD alarm	VMD alarm	Off, On	yes	
		Detection sensitivity	1(Low), 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15(High)	yes	
Advanced setup	Connection method		RTP, RTSP, Internet mode	RTP only	

REC & event

Menu/Tab	Setting item	Available range	Compatibility	Remarks
Recording setup	Image capture size	QVGA(320x240), VGA(640x480), SXVGA(1280x960) SVGA(800x600), QXGA(2048x1536) 5M(2560x1920) 12M(4000x3000)	yes	When H.264, SXVGA(1280x960) QXGA(2048x1536) 5M(2560x1920) HD(1280x720), FHD(1920x1080) 4KUHD(3840x2160)
		QVGA(320x180), HVGAW(640x360), HD(1280x720), FHD(1920x1080) 4KUHD(3840x2160)		When JPEG, VGA(640x480), QVGA(320x180), HVGAW(640x360),
	Rate	1 ips, 3 ips, 5 ips, 10 ips, 15 ips, 30 ips, 60 ips	yes	60 fps is not supported
	Quality	XF, SF, FQ, NQ	yes	Image Quality would not be the same with iPRO series since substitute model is selected.
	Audio	Off, On	yes	Audio supported model only
	Schedules	Schedule1, Schedule2	yes	
	Referenced recording days	(Calculated result will be displayed.)	(Calculated result will be displayed.)	
Advanced setup	SD backup rec.	Off, On	-	
	Sub-stream recording	Off, On	yes	-

Camera control panel

Function			compatibility	Remark
Camera control	Panning/Tilting		yes	PTZ supported model only
	Zoom	-, x1, +	yes	PTZ supported model only
	Home position	Call	yes	PTZ supported model only
	Focus	Auto,Near ,Far	yes	Near ,Far only. PTZ supported model only
	Brightness	-, Reset, +	yes	
	Auto Mode	Auto track, Auto pan Preset sequence Patrol	-	Auto pan Preset sequence Patrol PTZ supported model only
	Position	Call, Regist	yes	PTZ supported model only
Camera Setup	Home position	Regist	yes	PTZ supported model only
	Auto back focus	Execute	yes	WV-V2530L1, WV-V1330L1 and V1170 only.
	Mask area	Start, End, Reset	-	
Zoom/Focus Adjustment	Extra optical zoom	-, x1, +	-	
	Zoom	-, x1, +	yes	WV-V2530L1, WV-V1330L1 only.
	Focus	Near, Reset, Far	yes	WV-V2530L1, WV-V1330L1 and V1170 only.. When Reset, zoom position also moved to initial position.
Initial positon setup	Position Adjust		-	

Search and play recorded images

Function		Compatibility	Remark
Play images from a designated point	Play images from a designated date & time	yes	
	Play the latest recorded image	yes	
	Playback by designating a timeline	yes	VMD information is not supported
Play Images selected from logs (log search)		yes	
Search and play recorded images triggered by motion detection (VMD search)		-	
Copy recorded images		yes	