

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 December 2016.
 - WV-V2530LK (Software version V2.40)
 - WV-V1330LK (Software version V2.40)
 - WV-V2530L1 (Software version V2.40)
 - WV-V1330L1 (Software version V2.40)

Revise Record

VER.	Date	Item no.	Comment	Revise trigger
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1. Supported products and functional compatibility

	Function	WV-V2530LK	WV-V1330LK	WV-V2530L1 WV-V1330L1
WJ-NV300 (V1.70) *5	MJPEG	[SW559]*1	[SW558]*1	[SW558]*1
	H.264	[SW559]*2	[SW558]*2	[SW558]*2
	Audio *3	[SW559]	-	-
	PTZ	-	-	yes *4
	VMD Search	-	-	-
WJ-NV200 (V2.60) *5	MJPEG	[SW559] *1	[SW558] *1	[SW558] *1
	H.264	[SW559]*2	[SW558]*2	[SW558]*2
	Audio *3	[SW559]	-	-
	PTZ	-	-	yes *4
	VMD Search	-	-	-
WJ-ND400K (V5.50)	MJPEG	[SW559] *1	[SW558] *1	[SW558] *1
	H.264	[SW559]*2	[SW558]*2	[SW558]*2
	Audio *3	[SW559]	-	-
	PTZ	-	-	-
	SD memory recording	-	-	-
	VMD Search	-	-	-
WJ-ND300A (Discontinued model)	-	-	-	-
WJ-ND200 (Discontinued model)	-	-	-	-
WV-ASM200	-	-	-	-
WV-ASM100	-	-	-	-
WV-ASC970	-	-	-	-

WJ-GXD400	-	-	-	-
BB-HNP17	-	-	-	-
Panasonic Security Viewer	-	-	-	-
Easy IP Setup Tool	Detect camera	yes	yes	yes
(V4.25)	Network Settings	yes*6	yes*6	yes*6
Panasonic Security System Configuration Tool	Detect camera	yes	yes	yes
(V5.9.0.1)	Network settings	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.

2. Preparation to setup (Camera's setting)

2.1 Image

The screenshot shows the 'Image' configuration tab in a camera's setup menu. On the left is a sidebar with categories: Live, Setup, Basic, Image/Audio, Network, Event, Storage, System, and Information. The 'Image' tab is active, showing settings for the Main Stream and Sub Stream. The Main Stream settings include Aspect ratio (16:9), Compression (H.264), Image capture size (1080P (1920*1080)), Frame rate(FPS) (30), Transmission Priority (CBR), Bit Rate (4096), and I Frame Interval (60). The Sub Stream settings include Enable (checked), Sub Stream 1, Compression (MJPEG), Image capture size (640x360 (640*360)), Frame rate(FPS) (5), Transmission Priority (CBR), and Bit Rate (1024). Red boxes highlight the 'Compression' dropdown for the Main Stream and the 'Enable' checkbox and 'Compression' dropdown for the Sub Stream.

Stream	Setting	Value
Main Stream	Aspect ratio	16:9
	Compression	H.264
	Image capture size	1080P (1920*1080)
	Frame rate(FPS)	30
	Transmission Priority	CBR
	Bit Rate	4096
	I Frame Interval	60 (30~150)
Sub Stream	Enable	Checked
	Sub Stream 1	Sub Stream 1
	Compression	MJPEG
	Image capture size	640x360 (640*360)
	Frame rate(FPS)	5
	Transmission Priority	CBR
	Bit Rate	1024

This screenshot shows the same 'Image' configuration tab, but with the Sub Stream settings changed. The 'Enable' checkbox is checked, and the 'Compression' dropdown is now set to 'H.264'. The 'Sub Stream 2' dropdown is also visible. The Main Stream settings remain unchanged. Red boxes highlight the 'Enable' checkbox and the 'Compression' dropdown for the Sub Stream.

Stream	Setting	Value
Main Stream	Aspect ratio	16:9
	Compression	H.264
	Image capture size	1080P (1920*1080)
	Frame rate(FPS)	30
	Transmission Priority	CBR
	Bit Rate	4096
	I Frame Interval	60 (30~150)
Sub Stream	Enable	Checked
	Sub Stream 2	Sub Stream 2
	Compression	H.264
	Image capture size	640x360 (640*360)
	Frame rate(FPS)	30
	Transmission Priority	CBR
	Bit Rate	1536
I Frame Interval	60 (30~150)	

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

2.2 Audio (supported model only)

Live Setup Image Snapshot Overlay ROI Path Audio

Basic Image/Audio Image adjust Network Event Storage System Information

Encode

Main Stream

☒ Enable

Compression G.726

Sampling Frequency 8k

Sub Stream

☐ Enable Sub Stream 1

Compression G.726

Sampling Frequency 8k

Attribute

AudioIn Type LineIn

Noise Filter Disable

Microphone Volume 50

Speaker Volume 50

Default Refresh Save

Audio can be recorded to SD Card with Video when AAC is set for Compression. Only Video can be recorded when G.726 or G.711Mu.

- 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 in a web interface. On the left is a sidebar with navigation tabs: 'Live' (selected), 'Setup', 'Basic', 'Image/Audio', 'Network', 'Event', 'Storage', 'System', and 'Information'. The 'Network' tab is expanded, showing sub-items like TCP/IP, Connection, DDNS, IP Filter, SMTP, UPnP, SNMP, and 'Multicast' (highlighted in green). The main content area is titled 'Multicast' and contains two sections: 'Main Stream' and 'Sub Stream'. The 'Main Stream' section has an 'Enable' checkbox (checked), a 'Multicast Address' field with the value '239 . 192 . 0 . 20' and a range '(224.0.0.0-239.255.255.255)', and a 'Multicast port' field with the value '33004' and a range '(1025-65534)'. The 'Sub Stream' section has an 'Enable' checkbox (checked), a dropdown menu set to 'Sub Stream 1', a 'Multicast Address' field with the value '239 . 192 . 0 . 22' and a range '(224.0.0.0-239.255.255.255)', and a 'Multicast port' field with the value '33024' and a range '(1025-65534)'. At the bottom of the 'Sub Stream' section are three buttons: 'Default', 'Refresh', and 'Save'.

This screenshot shows the same 'Multicast' configuration page, but with the 'Sub Stream' section set to 'Sub Stream 2'. The 'Main Stream' configuration remains the same. The 'Sub Stream' section now has an 'Enable' checkbox (checked), a dropdown menu set to 'Sub Stream 2', a 'Multicast Address' field with the value '239 . 192 . 0 . 21' and a range '(224.0.0.0-239.255.255.255)', and a 'Multicast port' field with the value '33014' and a range '(1025-65534)'. The 'Default', 'Refresh', and 'Save' buttons are still present at the bottom.

-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 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	-	
	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
	Pan/tilt-flip	Pan/tilt-flip	Off, On	-	
	Super Dynamic	Super Dynamic	Off, On, On (High)	yes	Work for “On” and “On(High)” are the same

	(Wide dynamic range)	(Wide dynamic range)			
	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	

REC & event

Menu/Tab	Setting item		Available range	Compatibility	Remarks
Recording setup	Advanced recording setup	Image capture size	QVGA(320x240), VGA(640x480), SXVGA(1280x960) SVGA(800x600), QXGA(2048x1536)	yes	When H.264, SXVGA(1280x960) HD(1280x720), FHD(1920x1080) When JPEG, VGA(640x480), QVGA(320x180), HVGAW(640x360),
			QVGA(320x180), HVGAW(640x360), HD(1280x720), FHD(1920x1080)		
		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.)	

Camera control panel

Function			compatibility	Remark
Camera control	Panning/Tilting		-	
	Zoom	-, x1, +	-	
	Home position	Call	-	
	Focus	Auto,Near ,Far	-	
	Brightness	-, Reset, +	yes	
	Auto Mode	Auto track, Auto pan Preset sequence Patrol	-	
	Position	Call, Regist	-	
Camera Setup	Home position	Regist	-	
	Auto back focus	Execute	yes	WV-V2530L1, WV-V1330L1 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 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	