

Panasonic



- : not available on camera
 *1: not available on software
 *2: not test on software
 For multi stream support:
 Yes: multi stream fix to 500kbps/100kbps
 Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Snapshot	Remarks
BB-HCE481		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	-	Supported by design
BB-HCM100	1.3	M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	-	
BB-HCM110	1.3	M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	-	
BB-HCM311		M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	-	Supported by design
BB-HCM331	1.3	M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	-	
BB-HCM371		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	-	Supported by design
BB-HCM381	1.3	M-JPEG	1	640x480	1-way	1/1	Yes	Yes	Yes	Yes	-	
BB-HCM403		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	-	Supported by design
BB-HCM511	1.3	MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	-	
BB-HCM515	3.11R01	MPEG4 M-JPEG	1	1280x1024	1-way	2/1	-	Yes	Yes	Yes	-	
Note:	No audio support in M-JPEG @ 1280x1024.											
BB-HCM527		MPEG4 M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	-	Supported by design
BB-HCM531	3.51R00	MPEG4 M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	-	
BB-HCM547	3.60R00	MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	-	
Note:	The camera is tested by link, so some functions can't be verified.											
BB-HCM580		MPEG4 M-JPEG	1	640x480	-	2/1	-	Yes	Yes	Yes	-	Supported by design
BB-HCM581	1.3	MPEG4 M-JPEG	1	640x480	1-way	2/1	Yes	Yes	Yes	Yes	-	
BB-HCM701	4.30R00	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/0	-	Yes	Yes	Yes	-	
BB-HCM705	4.11R01	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/0	-	Yes	Yes	Yes	-	
BB-HCM715		H.264 MPEG4 M-JPEG	1	1280x960	1-way	2/1	Yes	Yes	Yes	Yes	-	Supported by design

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BB-HCM735	1.05-03 (100303-02)	H.264 MPEG4 M-JPEG	1	1280x960	1-way	2/1	Yes	Yes	Yes	Yes	-	
BB-HCS301		M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	-	Supported by design
BB-ST162	refer to WV-ST162 (1 Application: 1.81 2 Image data: 1.04)	H264 MJPEG	1	800x600	-	3/1	Yes	Yes	-	Yes	-	Supported by design
BB-SW172	refer to WV-ST162 (1 Application: 1.81 2 Image data: 1.04)	H264 MJPEG	1	800x600	-	3/1	Yes	Yes	-	Yes	-	Supported by design
BL-C1		M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	-	Supported by design
BL-C10		M-JPEG	1	640x480	-	-	Yes	Yes	Yes	Yes	-	Supported by design
BL-C101	3.52R00	MPEG4 M-JPEG	1	640x480	1-way	1/0	-	Yes	Yes	Yes	-	
BL-C111	3.10R01	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	-	
BL-C121	3.52R00	MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	Yes	Yes	-	
BL-C131		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	Yes	Yes	-	Supported by design
BL-C140	3.51R01	MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	-	
BL-C160	3.51R01	MPEG4 M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	-	
BL-C20		M-JPEG	1	640x480	-	-	-	Yes	Yes	Yes	-	Supported by design
BL-C210	4.31R00	H.264 MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	-	
BL-C230		H.264 MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Yes	-	Supported by design
BL-C30		M-JPEG	1	640x480	-	-	Yes	Yes	Yes	Yes	-	Supported by design
BL-VP101	Application: 1.67	H264 MJPEG	1	640x480	-	-	-	Yes	-	Yes	-	

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BL-VP104	Application: 1.67	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	-	
BL-VP104W	refer BL-VP104 (Application: 1.67)	H264 MJPEG	1	1280x720	-	-	-	Yes	-	Yes	-	Supported by design
BL-VT164	Application: 1.81	H264 MJPEG	1	1280x720	1-way	-	Yes	Yes	-	Yes	-	
BL-VT164W	refer BL-VT164 (Application: 1.81)	H264 MJPEG	1	1280x720	1-way	-	Yes	Yes	-	Yes	-	Supported by design
KX-HCM110		M-JPEG	1	640x480	1-way	2/1	-	Yes	Yes	Yes	-	Supported by design
KX-HCM280A		M-JPEG	1	640x480	-	1/1	-	Yes	Yes	Yes	-	Supported by design
DG-GXE100	2.02	H.264	1	720x480	-	-	*2	Yes	*2	Yes*	Yes	
DG-NF282		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	-	-	Supported by design
DG-NF302	1.5	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	-	-	Supported by design
DG-NP240		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	-	-	Supported by design
DG-NP244		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
DG-NP304	1.5	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	Supported by design
DG-NS202		MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
DG-NS202A	2.6	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	
DG-NS950	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
DG-NS954	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
DG-NW960	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
DG-NW964	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design

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DG-SC385	Refer to WV-SC385 1 Application: 1.66 2 Driver: 1.39 3 Image data: 1.09	M-JPEG MPEG4 H.264	1	1280x960	*2	*2	Yes	Yes	-	Yes	-	Supported by design
DG-SF132	Refer to WV-SP102(1 Application: 1.81 2 Image data: 1.03)	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	Supported by design
DG-SF334	1.03 1.05	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	
Note:	Disable H.264 and MPEG4 will get MJPEG stream playing more smoothly.											
DG-SP102	Refer to WV-SP102(1 Application: 1.81 2 Image data: 1.03)	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	Supported by design
DG-SW155	Refer to WV-SW155/M	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	Supported by design
K-EF134L	V2.42	H.264 M-JPEG	1	1280x960	-	-	-	Yes	Yes	Yes*	Yes	
Note:	1. The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation) 2. Video parameter setting and rotate function may result in failure by Day/Night profile. (Camera Firmware issue) 3. When format is MJPEG, and resource is too much, the image is not complete. (Camera performance limitation) 4. UPNP search fail.(Camera firmware issue)											
K-EW114L	2.420.PS00.0.T , build:2014-09-19	H.264 M-JPEG	1	1280x960	-	-	-	Yes	*2	Yes*	Yes	
Note:	1. The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation) 2. Video parameter setting and rotate function may result in failure by Day/Night profile. (Camera Firmware issue) 3. When format is MJPEG, and resource is too much, the image is not complete. (Camera performance limitation) 4. The bitrate ranges of server are different from camera web while image format is MJPEG.(Camera Firmware issue)											
WJ-GXE500	1.03	H.264 MPEG4 M-JPEG	4	720x480	1-way	-	-	Yes	-	Yes	-	
Note:	Motion detection works abnormally when "face detection" function is enabled. Not support PTZ currently.											
WJ-NT304	1.04	M-JPEG	4	640x480	-	-	Yes	-	-	Yes	-	

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WJ-NT314		M-JPEG	4	640x480	1-way	-	Yes	-	-	Yes	-	Supported by design
WV-NF284		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
WV-NF302	1.40E4_1.06	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	
WV-NM100		MPEG4 M-JPEG	1	640x480	-	-	Yes	-	-	Yes	-	Supported by design
WV-NP1000		M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	Supported by design
WV-NP1004	1.21	M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	
WV-NP240		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
WV-NP244		MPEG4 M-JPEG	1	640x480	1-way	-	-	Yes	-	Yes	-	Supported by design
WV-NP304	1.50E5_1.06	MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	
WV-NP472		M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	Supported by design
WV-NP502	1.00	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	-	-	Yes	-	Yes	-	
WV-NS202		MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-NS202A	2.6	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-NS324		M-JPEG	1	640x480	-	-	Yes	Yes	-	Yes	-	Supported by design
WV-NS950	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-NS954	1.06E0	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	
Note:	Audio is abnormal in MPEG4 format.											
WV-SC384	1.46	H.264 MPEG4 M-JPEG	1	1280x960	1-way	0~3/ 0~1	Yes	Yes	-	Yes	-	Supported by design
WV-SC385	Application:2.1 0 Driver: 1.54	H.264	1	1280x960	2-way	3/1	Yes	Yes	Yes	Yes*	Yes	

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Note:	1. Brightness value may not sync with web.(Camera Firmware issue) 2. Bit Rate Control (Transmission priority) only support Constant bit rate & Frame rate.(NUUO server limitation) 3. The flip status on camera web is opposite to server.(Camera Firmware issue)											
WV-SC386	1 Application: 1.44 2 Driver: 1.12 3 Image data: 1.05	M-JPEG MPEG4 H.264	1	1280x960	1-way	0~3/ 0~1	Yes	Yes	-	Yes	-	
WV-SF132	Refer to WV-SP102(1 Application: 1.81 2 Image data: 1.03)	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	Supported by design
WV-SF135	Refer to WV-SW155/M	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	Supported by design
WV-SF332		H.264 MPEG4 M-JPEG	1	1280x960	1-way	0~1/ 0~1	Yes	Yes	-	Yes	-	Supported by design
WV-SF335		H.264 MPEG4 M-JPEG	1	1280x960	1-way	0~1/ 0~1	Yes	Yes	-	Yes	-	Supported by design
Note:	WV-SF355 include WV-SF335E											
WV-SF336	1.05	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	-	
Note:	Motion detection works abnormally when "face detection" function is enabled.											
WV-SF342	Refer to WV-SF332	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-SF346	Refer to WV-SF336	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-SF438	1 Application: 1.04 2 Image data: 1.12	H264 MJPEG	1	2048x1536	1-way	3/1	-	Yes	-	Yes	-	
Note:	Fisheye camera											
WV-SF539	1 Application: 1.60 2 Image data: 2.34	H.264	1	1920x1080	*2	*2	-	Yes	*2	Yes*	Yes	
Note:	1. Brightness value may not sync with web. (Camera Firmware issue) 2. We tested on camera web with the following parameters, and found camera will disconnect or image will delay.The following link lists some issue: https://docs.google.com/spreadsheets/d/1Ri44tFID29DKYhf-s6VQhDlMfYycbLV8nuhpASVlksw/edit#gid=0 3. The 2nd stream cannot be set and connect while the image mode is 3mega pixel.(Camera Firmware issue)											
WV-SFN310	1.71	H.264	1	1280x960	1-way	3/1	-	Yes	-	Yes*	Yes	

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Note:	1. Setting higher bitrate may be fail (Camera firmware issue) 2. When 60fps mode , H.264(1) bitrate cannot be set less than 1024 (Camera firmware issue) 3. No Audio when audio codec is AAC (NUUO server limitation) 4. Bitrate list range is not synchronize with web(Camera firmware issue) 5.MJPEG framerate is affected by h264 stream. If h264 stream(1 or 2) open, MJPEG support 5 fps the most. (Camera performance limitation) 6.Brightness value may not sync with web.(Camera firmware issue) 7.Motion event snaphot resolution sync with stream3 instead of stream1.(Camera firmware issue)											
WV-SFN310J	Refer to WV-SFN310(1.71)	H.264 MJPEG	1	1280x960	1-way	3/1	-	Yes	-	Yes*	Yes	Supported by design
WV-SFN311	Refer to WV-SFN310(1.71)	H.264 MJPEG	1	1280x960	1-way	3/1	-	Yes	-	Yes*	Yes	Supported by design
WV-SFV481	1.12	H.264	1	2992x2992	2-way	3/1	-	Yes	Yes	Yes*	Yes	
Note:	Fisheye camera 1. Brightness Value may not sync with Camera Web Interface.(Camera Firmware issue) 2. Audio out 16Kbps was not supported.(NUUO server limitation) 3. Digital in and Digital out can not trigger continuously.(Camera Firmware issue) 4. Camera may not achieve maximum FPS.(Camera performance limitation) 5. The range of bitrate may not sync with camera web.(Camera Firmware issue) 6. The bit-rate & FPS values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting.(NUUO server limitation) 7. Snapshot resolution may not sync with display resolution.(NUUO server limitation)											
WV-SFV611L	Refer to WV-SFV631L(V1.83)	H.264	1	2048x1536	*2	*2	-	Yes	*2	Yes*	*2	Supported by design
WV-SFV631L	1.83	H.264	1	2048x1536	*2	*2	-	Yes	*2	Yes*	*2	
Note:	1. The bitrate list doesn't match the camera web.(Camera Firmware issue) 2. Zoom & focus can't be used.(Camera Firmware issue) 3. Brightness value may not sync with web.(Camera Firmware issue) 4. Bit Rate Control (Transmission priority) only support Constant bit rate & Frame rate.(NUUO server limitation)											
WV-SFV631LT	Refer to WV-SFV631L(V1.83)	H.264	1	2048x1536	*2	*2	-	Yes	*2	Yes*	*2	Supported by design
WV-SP102	1 Application: 1.81 2 Image data: 1.03	H.264 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	Tested by link
WV-SP105	1 Application: 1.61 2 Image data: 2.01	H.264 M-JPEG	1	1280x960	-	-	-	Yes	-	Yes	-	
WV-SP302		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-SP305		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	-	Supported by design

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WV-SP306	1.04	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	-	
Note:	Motion detection works abnormally when "face detection" function is enabled.											
WV-SP508	1Application: 1.05 2 Image data: 2.05	MJPEG H264	1	2048x1536	-	0~1/ 0~1	-	Yes	-	Yes	-	Tested by link
WV-SP509	1Application: 1.07 2 Image data: 2.11	MJPEG H264	1	2048x1536	1-way	0~3/ 0~1	-	Yes	-	Yes	-	
WV-SPN311	V1.71	H.264	1	1280x720	2-way	3/1	-	Yes	Yes	Yes*	Yes	
WV-SPN631	Refer to WV-SFV631L(V1.83)	H.264	1	2048x1536	*2	*2	-	Yes	*2	Yes*	*2	Supported by design
WV-SPW631L	Refer to WV-SFV631L(V1.83)	H.264	1	2048x1536	*2	*2	-	Yes	*2	Yes*	*2	Supported by design
WV-ST162	1 Application: 1.81 2 Image data: 1.04	H264 MJPEG	1	800x600	-	3/1	Yes	Yes	-	Yes	-	Tested by link
WV-ST165	1Application: 1.44 2 Image data: 1.03	MJPEG H264	1	1280x960	1-way	0~3/ 0~1	Yes	Yes	-	Yes	-	Tested by link
Note:	Enable "VMD addition information" on camera web and reboot to obtain Motion Detection Info											
WV-SW152	Refer to WV-SW155	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	Supported by design
WV-SW155	2.02	H.264	1	1280x720	-	*2	-	Yes	*2	Yes*	Yes	
Note:	Brightness value may not sync with web. (Camera Firmware issue)											
WV-SW155/M	1.03	H.264 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	
WV-SW158	1.07	M-JPEG	1	2048x1536	1-way	-	-	Yes	Yes	Yes*	Yes	
Note:	1. Mirror is not supported (Camera firmware issue) 2. It may have chance to fail to set higher bitrate (Cammera firmware issue)											
WV-SW172	refer to WV-ST162(1 Application: 1.81 2 Image data: 1.04)	H264 MJPEG	1	800x600	-	3/1	Yes	Yes	-	Yes	-	Supported by design
WV-SW174W	1.81	MJPEG H264	1	1280x960	1-way	3/1	Yes	Yes	Yes	Yes	-	

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Note:	WV-SW174W Camera constraint: MJPEG framerate is affected by h264 stream. If h264 stream(1 or 2) open, MJPEG support 5 fps the most.											
WV-SW175	Refer to ST165	MJPEG H264	1	1280x960	1-way	0~3/ 0~1	Yes	Yes	-	Yes	-	Supported by design
WV-SW314	Refer to SW316/L	MJPEG H264	1	1280x960	-	-	-	Yes	-	Yes	-	Supported by design
WV-SW316/L	1Application: 1.46 2 Image data: 1.04	MJPEG H264	1	1280x960	1-way	0~1/ 0~1	-	Yes	-	Yes	-	Tested by link
Note:	WV-SW316/L is compatible with WV-SW316											
WV-SW352	Refer to WV-SW352	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	Yes	-	Supported by design
WV-SW355	1.41	H.264 MPEG4 M-JPEG	1	1280x960	1-way	0~1/ 0~1	-	Yes	-	Yes	-	
WV-SW395		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-SW396	1.44	M-JPEG MPEG4 H.264	1	1280x960	1-way	0~3/ 0~1	Yes	Yes	-	Yes	-	
Note:	WV-SW396 support continuous PTZ											
WV-SW458	V1.60	H.264	1	1920x1080	2-way	3/1	-	Yes	Yes	Yes*	Yes	
Note:	Fisheye camera 1. G726/16Kbps has noise. (NUUO server limitation) 2. Brightness value may not sync with web.(Camera Firmware issue) 3. MountType and DispalyMode UI only support English. (NUUO server limitation) 4. Camera is unable to achieve maximum FPS. (Camera performance limitation) 5. Setting higher bitrate may be fail (Cammera Firmware issue) 6. Motion event snapthot resolution may not sync with current stream (NUUO server limitation)											
WV-SW558	Refer to SP509	MJPEG H264	1	2048x1536	-	0~3/ 0~1	-	Yes	-	Yes	-	Supported by design
WV-SW559	Refer to SP509	MJPEG H264	1	2048x1536	1-way	0~3/ 0~1	-	Yes	-	Yes	-	Supported by design
WV-SW598	2.07	H.264	1	1920x1080	*2	*2	Yes	Yes	*2	Yes*	Yes	
Note:	1. Brightness value may not sync with web. (Camera Firmware issue) 2. The flip status on camera web is opposite to server.(Camera Firmware issue) 3.The move function can not make live view to center. (Camera Firmware issue)											
WV-NW484	1.10ED	MPEG4 M-JPEG	1	640x480	-	-	-	Yes	-	Yes	-	
WV-NW502S	1.00	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	-	-	Yes	-	Yes	-	

Panasonic



- : not available on camera
*1: not available on software
*2: not test on software

For multi stream support:
Yes: multi stream fix to 500kbps/100kbps
Yes*: multi stream setting support

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Multi Stream Support	Snapshot	Remarks
WV-NW960	1.5	MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design
WV-NW964		MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	-	Yes	-	Supported by design