

## List of Verified External Storage Media for Network Cameras/Network Video Encoder

Yes: Supported, No: Not supported, -: Not tested

Descriptions in red in yellow boxes show the latest updates.

Verified External Memory Media				Network Cameras/Network Video Encoders				
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-SW395A/SW395 WV-SC385/SC384 Network Camera (Ver.1.81 and later)	WV-SW155MA/SW155 WV-SW152M/SW152 Network Camera (Ver.1.81 and later)	WV-SW175/SW172 WV-ST165/ST162 Network Camera (Ver.1.81 and later)	WV-SW115 Network Camera (Ver.1.84 and later)	WJ-GXE500 Network Video Encoder (Ver.1.50 and later)
SDHC Memory Card	Panasonic	RP-SDGD32DA1	32GB/Class10	Yes	Yes	Yes	Yes	Yes
SDHC Memory Card	i-PRO	WV-SDA032G	32GB/Class10	Yes	Yes	Yes	Yes	Yes

Verified External Memory Media				Network Cameras				
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-SW458MA/SW458 WV-SF438 Network Camera (Ver.1.42 and later)	WV-SF448E Network Camera (Ver.1.10 and later)	WV-SW158/SF138 Network Camera (Ver.1.03 and later)	WV-SW598 Network Camera (Ver.1.02 and later)	WV-SW598A/SW397B WV-SC588A/SC387A Network Camera (Ver.1.80 and later)
SDHC Memory Card	Panasonic	RP-SDGD32DA1	32GB/Class10	Yes	Yes	Yes	Yes	Yes
		RP-SDGD64DA1	64GB/Class10	Yes	Yes	Yes	Yes	Yes
SDXC Memory Card		RP-SDUE12DA1	128GB/Class10	Yes	Yes	Yes	Yes	Yes
		RP-SDXE25DA1	256GB/Class10	No	No	No	No	No
SDHC Memory Card	i-PRO	WV-SDA032G	32GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA064G	64GB/Class10	Yes	Yes	Yes	Yes	Yes
SDXC Memory Card		WV-SDA128G	128GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA256G	256GB/Class10	No	No	No	No	No
		WV-SDA512G	512GB/Class10	No	No	No	No	No

Verified External Memory Media				Network Cameras							
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-SFV631LT/SFV631L WV-SFV611L WV-SFR631L/SFR611L WV-SFN631L/SFN611L	WV-SPW631LT/SPW631L WV-SPW611L/SPW611 WV-SPN631/SPN611	WV-SFV531/SFR531 WV-SFN531	WV-SPW532L/SPW531AL WV-SPN531A	WV-SFV311A/SFV310A WV-SFR311A/SFR310A WV-SFN311L WV-SFN311A/SFN310A WV-SPW312L/SPW311AL WV-SPN311A/SPN310A	WV-SFV130M/SFV130 WV-SFV110M/SFV110 WV-SFN130/SFN110	WV-SBV131M/SBV111M	
SDHC Memory Card	Panasonic	RP-SDGD32DA1	32GB/Class10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		RP-SDGD64DA1	64GB/Class10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
SDXC Memory Card		RP-SDUE12DA1	128GB/Class10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		RP-SDXE25DA1	256GB/Class10	No	No	No	No	No	No	No	
SDHC Memory Card	i-PRO *1	WV-SDA032G	32GB/Class10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		WV-SDA064G	64GB/Class10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
SDXC Memory Card		WV-SDA128G	128GB/Class10	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		WV-SDA256G	256GB/Class10	No	No	No	No	No	No	No	
		WV-SDA512G	512GB/Class10	No	No	No	No	No	No	No	

Verified External Memory Media				Network Cameras	
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-SFV481/SFN480 Network Camera (Ver.1.02 and later)	WV-SFV781L/SPV781L Network Camera (Ver.1.05 and later)
SDHC Memory Card	Panasonic	RP-SDGD32DA1	32GB/Class10	Yes	Yes
		RP-SDGD64DA1	64GB/Class10	Yes	Yes
SDXC Memory Card		RP-SDUE12DA1	128GB/Class10	Yes	Yes
		RP-SDXE25DA1	256GB/Class10	No	No
SDHC Memory Card	i-PRO *2	WV-SDA032G	32GB/Class10	Yes	Yes
		WV-SDA064G	64GB/Class10	Yes	Yes
SDXC Memory Card		WV-SDA128G	128GB/Class10	Yes	Yes
		WV-SDA256G	256GB/Class10	No	No
		WV-SDA512G	512GB/Class10	No	No

Verified External Memory Media				Network Cameras				
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-S2531LTN/S2531LN WV-S2511LN WV-S2231L/S2211L WV-S2131L/S2131 WV-S2111L	WV-S1531LTN/S1531LN WV-S1511LN WV-S1132/S1131 WV-S1112/S1111	WV-S1531LNS	WV-X6531NS/X6531N WV-X6511N WV-S6530N WV-S6131/S6130 WV-S6111	WV-X6533LN/LNS WV-S6532LN/LNS
SDHC Memory Card	Panasonic	RP-SDGD32DA1	32GB/Class10	Yes	Yes	Yes	Yes	Yes
		RP-SDGD64DA1	64GB/Class10	Yes	Yes	Yes	Yes	Yes
SDXC Memory Card		RP-SDUE12DA1	128GB/Class10	Yes	Yes	Yes	Yes	Yes
		RP-SDXE25DA1	256GB/Class10	Yes	Yes	Yes	Yes	Yes
SDHC Memory Card	i-PRO *1	WV-SDA032G	32GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA064G	64GB/Class10	Yes	Yes	Yes	Yes	Yes
SDXC Memory Card		WV-SDA128G	128GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA256G	256GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA512G	512GB/Class10	Yes	Yes	Yes	Yes	Yes

Verified External Memory Media				Network Cameras
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-S3111L/S3131L WV-S3511L/S3531L WV-S35121M/S35321M Network Camera (Ver.4.00 and later)
microSDHC Memory Card	Panasonic	RP-SMLE16DA1	16GB/Class10	No
		RP-SMTT32DA1	32GB/Class10	Yes
microSDXC Memory Card	i-PRO *1	RP-SMTT64DA1	64GB/Class10	Yes
microSDHC Memory Card		WV-SDB032G	32GB/Class10	Yes
		WV-SDB064G	64GB/Class10	Yes
microSDXC Memory Card		WV-SDB128G	128GB/Class10	Yes
		WV-SDB256G	256GB/Class10	Yes

Verified External Memory Media				Network Cameras
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-U2542L/U2540L WV-U2532L/U2530L WV-U2142L/U2140L WV-U2132L/U2130L WV-U1542L/U1532L WV-U1142L/U1132 WV-U11130 Network Camera (Ver.1.00 and later)
microSDHC Memory Card	Panasonic	RP-SMTT32DA1	32GB/Class10	Yes
microSDXC Memory Card		RP-SMTT64DA1	64GB/Class10	Yes
microSDHC Memory Card	i-PRO *1	WV-SDB032G	32GB/Class10	Yes
		WV-SDB064G	64GB/Class10	Yes
microSDXC Memory Card		WV-SDB128G	128GB/Class10	Yes
		WV-SDB256G	256GB/Class10	Yes

Verified External Memory Media				Network Cameras				
Type (Standard)	Brand	Model	Capacity/ Speed class	WV-S4150/S4550L(M) Network Camera (Ver.1.01 and later)	WV-X4571L(M) WV-X4171/X4170 Network Camera (Ver.1.30 and later)	WV-X8570N/S8530N Network Camera (Ver.1.04 and later)	WV-S2550L/S2250L WV-S1550L Network Camera (Ver.1.02 and later)	WV-S2570L/S2270L WV-S1570L Network Camera (Ver.1.00 and later)
SDHC Memory Card	Panasonic	RP-SDGD32DA1	32GB/Class10	Yes	Yes	Yes	Yes	Yes
		RP-SDGD64DA1	64GB/Class10	Yes	Yes	Yes	Yes	Yes
SDXC Memory Card		RP-SDUE12DA1	128GB/Class10	Yes	Yes	Yes	Yes	Yes
		RP-SDXE25DA1	256GB/Class10	Yes	Yes	Yes	Yes	Yes
SDHC Memory Card	i-PRO *2	WV-SDA032G	32GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA064G	64GB/Class10	Yes	Yes	Yes	Yes	Yes
SDXC Memory Card		WV-SDA128G	128GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA256G	256GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA512G	512GB/Class10	Yes	Yes	Yes	Yes	Yes

Verified External Memory Media				Network Cameras				
Type (Standard)	Brand	Model	Capacity/ Speed class	Network Camera (Ver. 1.00 and later)	Network Camera (Ver. 1.00 and later)	Network Camera (Ver. 1.00 and later)	Network Camera (Ver. 1.00 and later)	Network Camera (Ver. 1.00 and later)
SDHC Memory Card	Panasonic	RP-SDGD32DA1	32GB/Class10	Yes	Yes	Yes	Yes	No
SDXC Memory Card		RP-SDGD64DA1	64GB/Class10	Yes	Yes	Yes	Yes	No
		RP-SDUE12DA1	128GB/Class10	Yes	Yes	Yes	Yes	No
		RP-SDXE25DA1	256GB/Class10	Yes	Yes	Yes	Yes	No
SDHC Memory Card	i-PRO *2	WV-SDA032G	32GB/Class10	Yes	Yes	Yes	Yes	Yes
SDXC Memory Card		WV-SDA064G	64GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA128G	128GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA256G	256GB/Class10	Yes	Yes	Yes	Yes	Yes
		WV-SDA512G	512GB/Class10	Yes	Yes	Yes	Yes	Yes

Verified External Memory Media				Network Cameras
Type (Standard)	Brand	Model	Capacity/ Speed class	Network Camera (Ver. 1.00 and later)
microSDHC Memory Card	i-PRO *1	WV-SDB032G	32GB/Class10	Yes
microSDXC Memory Card		WV-SDB064G	64GB/Class10	Yes
		WV-SDB128G	128GB/Class10	Yes
		WV-SDB256G	256GB/Class10	Yes

[Important notice]

\* The verified external storage media listed above have been tested and confirmed for normal operation including image recording with actual products of them. However, the cameras and the encoders have not been tested with the external storage media in defective or faulty conditions. Therefore, we cannot guarantee the operation with the external storage media in defective or faulty conditions.

\* This document does not consider any defect of the external storage media. Prompt backup of data to the other media is recommended since SD memory cards / microSD cards ( include SDHC / SDXC) have lifetime.

\* SD memory cards / microSD cards ( include SDHC / SDXC) are consumable products. A lifetime of SD memory cards / microSD cards ( include SDHC / SDXC) may become shorter depending on a way of using. In case that "Overwrite" is chosen for the operating mode on the SD memory card menu, using H.265 or H.264 for the recording format makes longer replacement period of the SD memory cards / microSD cards ( include SDHC / SDXC) instead of using JPEG.

\* "Network Cameras" or "Network Video Encoders" that can use the SD memory cards (include SDHC / SDXC) described in this document are not the target of microSD cards (include SDHC / SDXC).

The model numbers of products listed on this document are the ones of actually tested products and may be different from the latest products.

\*1 When using an SD memory card and microSD memory card manufactured by Panasonic i-PRO Sensing Solutions Co., Ltd. for continuous recording, there are the following restrictions.  
Bitrate upper limit 6,144kbps  
Please refer to "https://security.panasonic.com/training\_support/support/ipro\_sd\_info/" for detail.

\*2 When using an SD memory card manufactured by Panasonic i-PRO Sensing Solutions Co., Ltd. for continuous recording, there are the following restrictions.  
Bitrate upper limit 8,192kbps (In the case of a multi-sensor camera, it is the total value of cameras 1 to 4.)  
Please refer to "https://security.panasonic.com/training\_support/support/ipro\_sd\_info/" for detail.

[Revision history]

November 8, 2021	Added results on WV-S1536LTN, WV-S2536LTN, WV-S4156, WV-S4556L, WV-S4556LM, WV-S4176, WV-S4576L, WV-S4576LM.
August 24, 2021	Added results on WV-S1536L, WV-S1536LN, WV-S2536L, WV-S2536LN.
June 16, 2021	Added results on WV-S1136, WV-S2136L, WV-S2136, WV-S2236L.
March 24, 2021	Added results on WV-X6533LNS, WV-S6532LNS, WV-X4573L, WV-X4573LM, WV-X4173, WV-X4172, WV-S4551L, WV-S4551LM, WV-S4151, WV-X8571N, WV-S8531N. Added WV-SDA032G, WV-SDA064G, WV-SDA128G, WV-SDA256G, WV-SDA512G, WV-SDB032G, WV-SDB064G, WV-SDB128G, WV-SDB256G.
November 9, 2020	Added results on WV-X2551LN, WV-X2251L, WV-X1551LN, WV-X2571LN, WV-X2271L, WV-X1571LN, WV-S1572L, WV-S2572L, WV-S2272L, WV-S1552L, WV-S2552L, WV-S2252L.
May 28, 2020	Added results on WV-U2542L, U2540L, U2532L, U2530L, U2142L, U2140L, U2132L, U2130L, U1542L, U1532L, U1142, U1132, U1130. Deleted microSD card model RP-SMSC02DA1, microSDHC card model RP-SMSC04DA1/SMSC08DA1.
February 14, 2020	Deleted SD memory card model RP-SDF02GDA1, SDHC memory card model RP-SDFC04DA1/SDFC08DA1/SDFC16DA1.
May 20, 2019	Added results on WV-S2570L, S2270L, WV-S1570L, WV-X6533LN, S6532LN.
January 31, 2019	Added results on WV-S3111L, S3131L, S3511L, S3531L, S3512LM, S3532LM and updated "Important notice".
September 12, 2018	Added results on WV-X8570N/S8530N, WV-S2550L/S2250L/S1550L.
April 10, 2018	Added results of SDHC Memory Card, Model RP-SDGD32DA1, on WV-S4150/S4550L(M). Added results on WV-SBV131M/SBV111M, WV-SW115 and WV-X4571L(M)/WV-X4171/X4170.
February 13, 2018	First edition