

Milesight CMS Recommended Hardware Information

H.264&IP-IPC

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channel	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	76	54	2416.3	54.6	128	14	3067.4	62.9	140	28.3	2048.8	95.5
1080P	4096	25	27	50.3	3322.9	89.1	41	12.5	4708.7	89.1	30	7.7	1636.3	80

H.265&IP-IPC

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channel	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	71	52.5	1771.6	53.4	128	23.9	2164.5	60.7	136	29.5	2020.4	95.3
1080P	4096	25	26	52.2	2605.9	86.2	41	17.6	4010.8	88.8	50	11.8	2426.1	88

H.264&P2P-IPC

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channels	CPU(%)	Memory(MB)	GPU(%)	Channels	CPU(%)	Memory(MB)	GPU(%)	Channels	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	15	54.8	712.6	32.9	38	47.7	1852.7	55.5	42	66.5	1237.1	52.1
1080P	4096	25	7	39.3	911.4	31.5	17	41.8	3254	58.7	33	42.6	1402.4	91.5

H.265&P2P-IPC

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channel	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	16	57.5	759.3	27.3	42	48	1425.4	50.5	38	54	1396.1	49.4
1080P	4096	25	9	47.9	1237.3	39.5	24	38.7	2448.8	63.8	19	15.2	1186.1	38.8

CMS Version: 2.4.0.9 IPC Version: 4x.07.0.76 NVR Version: 71.9.0.10

Note: This document only refers to the maximum number of preview channels under different hardware performance, it does not apply to recording performance. And the data of this document is for reference only as it come from our local test environment, which is not exactly the same as the customer's test environment.

Milesight CMS Recommended Hardware Information

H.264&IP-NVR

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channels	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)	Channels	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	78	55.3	2236.8	55.3	128	22.1	4732.3	64.4	138	22	3201.5	92
1080P	4096	25	23	47.8	833.9	77.3	40	12.6	5127.9	88.1	32	6.4	1443.9	81.4

H.265&IP-NVR

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channels	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)	Channels	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	76	53.4	1895.6	57.6	128	22	2841	67.1	133	21.9	3618.2	92.7
1080P	4096	25	23	49.4	2261.7	80.9	40	13	3761	88.3	56	14.1	2682.8	97.3

H.264&P2P-NVR

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channels	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)	Channels	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	19	39.6	811.3	40.5	18	22.7	970.4	25.3	15	8.9	1211.5	20.4
1080P	4096	25	8	34.1	848.7	35.1	12	20.2	1141.4	20.8	9	8.5	1102.6	32.9

H.265&P2P-NVR

Frame Size	Bit Rate (kbps)	Frame Rate (fps)	CPU: i5-7400@3.00GHz Intel(R) Core(TM) Windows 10 64-bit				CPU: i7-8700K@3.70GHz Intel(R) UHD Graphics 630 Windows 10 64-bit				CPU: i9-10900K@3.70GHz NVIDIA GeForce RTX 2030 SUPER Windows 10 64-bit			
			Channels	CPU(%)	Memory(MB)	GPU(%)	Channel	CPU(%)	Memory(MB)	GPU(%)	Channels	CPU(%)	Memory(MB)	GPU(%)
640*480	512	25	23	42.3	722.5	33.5	23	16.3	874.4	40.2	26	14.9	1182.6	22.2
1080P	4096	25	8	33.4	810.9	26.2	7	18.19	958.3	25.5	9	18	1283	18.1

CMS Version: 2.4.0.9 IPC Version: 4x.07.0.76 NVR Version: 71.9.0.10

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