HikCentral Enterprise-Commercial V1.1.0 System Requirements & Decoding Performance

Chapter 1 System Requirements

OS for Server	CentOS 7.2 64-bit CentOS 7.4 64-bit CentOS 7.6 64-bit CentOS-7.6-hik-r5 64-bit
OS for Control Client	Microsoft® Windows 7 32-bit/64-bit Microsoft® Windows 10 64-bit
OS for Mobile Client	Android 5.0 and later iOS 10 and later
Web Browser	Internet Explorer 11 and above (32-bit) Chrome 63.0.3239.108 and above

Chapter 2 Control Client Decoding Performance

Note: The performance refers to maximum live view channels within up to 80% of CPU consumption (software decoding) or up to 80% of video engine load/decoding value (hardware decoding).

Configurations						
Feature	Low-End			Middle-End		High-End
CPU	Intel® Core™ i3-7100 @ 3.9 GHz			Intel® Core™ i5-7500 @ 3.4 GHz		Intel® Core™ i7-7700K @ 4.2 GHz
RAM	8 GB			8 GB		8 GB
NIC	GbE Network Interface Card			GbE Network Interface Card		GbE Network Interface Card
Graphics Card	Intel (R) HD Graphics 1000			NVIDIA GeForce GTX 1070		NVIDIA GeForce GTX 1070
OS	Microsoft® Windows 10 (64-bit)			Microsoft® Windows 10 (64-bit)		Microsoft® Windows 10 (64-bit)
Performance in Software Decoding						
Encoding Format	Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Maximum Live View Channels		
				Low-End	Middle-End	High-End
H.264	30	0.5	CIF	76	132	180
	30	1	4CIF	24	53	86
	30	3	720p	10	21	41
	30	6	1080p	4	10	20
	30	8	3 MP	2	7	14

H.265	30	1	720p	9	13	29
	30	3	1080p	2	6	14
	30	4	3 MP	1	5	11
Performance in Hardware Decoding						
Encoding Format	Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Maximum Live View Channels		
				Low-End	Middle-End	High-End
H.264	30	0.5	CIF	69	80	94
	30	1	4CIF	50	64	68
	30	3	720p	28	30	36
	30	6	1080p	13	18	23
	30	8	3 MP	9	10	17
	30	12	8 MP	3	4	6
H.265	30	1	720p	19	36	42
	30	3	1080p	10	18	23
	30	4	3 MP	3	12	15
	30	6	8 MP	2	4	8

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