

Bit Rate Comparison Chart

H.264 Recommended Bit Rate							
Recommended Bit Rate at General Resolution (Approximate Value)							
Resolution	30fps	25fps	20fps	15fps	12.5fps	10fps	1fps
12MP (4000x3000)	20480	20480	15360	10240	10240	7680	7680
12MP (4000x3072)	20480	20480	15360	10240	10240	7680	7680
9MP (3072x3072)	16384	16384	12288	8192	8192	6144	6144
9MP (4096x2160)	15360	15360	11520	7680	7680	5760	5760
3840x2160	16384	16384	12288	8192	8192	6144	6144
6MP(3072x2048)	10240	10240	7680	5120	5120	3840	3840
2560x2560	10240	10240	7680	5120	5120	3840	3840
3072x1728	8192	8192	6144	4096	4096	3072	3072
2560x2048	8192	8192	6144	4096	4096	3072	3072
2592x1944	9216	9216	6912	4608	4608	3456	3456
2560x1920	9216	9216	6912	4608	4608	3456	3456
2688x1520	8192	8192	6144	4096	4096	3072	3072
4MP(2560x1440)	8192	8192	6144	4096	4096	3072	3072
QXGA(2048x1536)	6144	6144	4608	3072	3072	2304	2304
1080P(1920x1080)	4096	4096	3072	2048	2048	1536	1536
1280x960	2048	2048	1536	1024	1024	768	768
720P(1280x720)	2048	2048	1536	1024	1024	768	768
4CIF(704x576)	1024	1024	768	512	512	384	384
640x360	832	832	576	448	448	288	288
352x288	320	320	192	192	192	128	128

Note 1: This sheet is useful for users who has high requirement for bit rate settings. If the real environment is more complex, you can increase the bite rate 20%~30% higher than recommend.

Note 2: The above value is suitable for all series IPC and PTZ with new platform.

H.264+ Recommended Bit Rate

Recommended Bit Rate at General Resolution (Approximate Value)

Resolution	Frame Rate	30fps	25fps	20fps	15fps	12.5fps	10fps	1fps
12MP (4000x3000)	max bitrate (Kbps)	20480	20480	15360	10240	10240	7680	7680
	target bitrate (Kbps)	10240	10240	7680	5120	5120	3840	3840
12MP (4000x3072)	max bitrate (Kbps)	20480	20480	15360	10240	10240	7680	7680
	target bitrate (Kbps)	10240	10240	7680	5120	5120	3840	3840
9MP (3072x3072)	max bitrate (Kbps)	16384	16384	12288	8192	8192	6144	6144
	target bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
9MP (4096x2160)	max bitrate (Kbps)	15360	15360	11520	7680	7680	5760	5760
	target bitrate (Kbps)	7680	7680	5760	3840	3840	2880	2880
3840x2160	max bitrate (Kbps)	16384	16384	12288	8192	8192	6144	6144
	target bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
6MP(3072x2048)	max bitrate (Kbps)	10240	10240	7680	5120	5120	3840	3840
	target bitrate (Kbps)	5120	5120	3840	2560	2560	2000	2000
2560x2560	max bitrate (Kbps)	10240	10240	7680	5120	5120	3840	3840
	target bitrate (Kbps)	5120	5120	3840	2560	2560	2000	2000
3072x1728	max bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
	target bitrate (Kbps)	4096	4096	3072	2048	2048	1856	1856
2560x2048	max bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
	target bitrate (Kbps)	4096	4096	3072	2048	2048	1856	1856
2592x1944	max bitrate (Kbps)	9216	9216	6912	4608	4608	3456	3456
	target bitrate (Kbps)	4608	4608	3456	2304	2304	1928	1928
2560x1920	max bitrate (Kbps)	9216	9216	6912	4608	4608	3456	3456
	target bitrate (Kbps)	4608	4608	3456	2304	2304	1928	1928
2688x1520	max bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
	target bitrate (Kbps)	4096	4096	3072	2048	2048	1856	1856
4MP(2560x1440)	max bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
	target bitrate (Kbps)	4096	4096	3072	2048	2048	1856	1856
QXGA(2048x1536)	max bitrate (Kbps)	6144	6144	4608	3072	3072	2304	2304
	target bitrate (Kbps)	3072	3072	2304	1856	1856	1544	1544
1080P(1920x1080)	max bitrate (Kbps)	4096	4096	3072	2048	2048	1536	1536
	target bitrate (Kbps)	2048	2048	1856	1440	1440	1136	1136
1280x960	max bitrate (Kbps)	2048	2048	1536	1024	1024	768	768
	target bitrate (Kbps)	1440	1440	1136	832	832	648	648
720P(1280x720)	max bitrate (Kbps)	2048	2048	1536	1024	1024	768	768
	target bitrate (Kbps)	1440	1440	1136	832	832	648	648

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Note 2: The above value is suitable for all series IPC and PTZ with new platform.

H.265 Recommended Bit Rate**Recommended Bit Rate at General Resolution (Approximate Value)**

Resolution	30fps	25fps	20fps	15fps	12.5fps	10fps	1fps
12MP (4000x3000)	10240	10240	7680	5120	5120	3840	3840
12MP (4000x3072)	10240	10240	7680	5120	5120	3840	3840
9MP (3072x3072)	8192	8192	6144	4096	4096	3072	3072
9MP (4096x2160)	7680	7680	5760	3840	3840	2880	2880
3840x2160	8192	8192	6144	4096	4096	3072	3072
6MP(3072x2048)	5120	5120	3840	2560	2560	1920	1920
2560x2560	5120	5120	3840	2560	2560	1920	1920
3072x1728	4096	4096	3072	2048	2048	1536	1536
2560x2048	4096	4096	3072	2048	2048	1536	1536
2592x1944	4608	4608	3456	2304	2304	1728	1728
2560x1920	4608	4608	3456	2304	2304	1728	1728
2688x1520	4096	4096	3072	2048	2048	1536	1536
4MP(2560x1440)	4096	4096	3072	2048	2048	1536	1536
QXGA(2048x1536)	3072	3072	2304	1536	1536	1152	1152
1080P(1920x1080)	2048	2048	1536	1024	1024	768	768
1280x960	1024	1024	768	512	512	384	384
720P(1280x720)	1024	1024	768	512	512	384	384
4CIF(704x576)	704	704	512	384	384	256	256
640x360	576	576	384	320	320	192	192
352x288	320	320	192	192	192	128	128

Note 1: This sheet is useful for users who has high requirement for bit rate settings. If the real environment is more complex, you can increase the bite rate 20%~30% higher than recommend.

Note 2: The above value is suitable for all series IPC and PTZ with new platform.

H.265+ Recommended Bit Rate

Recommended Bit Rate at General Resolution (Approximate Value)

Resolution	Frame Rate	30fps	25fps	20fps	15fps	12.5fps	10fps	1fps
12MP (4000x3000)	max bitrate (Kbps)	10240	10240	7680	5120	5120	3840	3840
	target bitrate (Kbps)	5120	5120	3840	2560	2560	2000	2000
12MP (4000x3072)	max bitrate (Kbps)	10240	10240	7680	5120	5120	3840	3840
	target bitrate (Kbps)	5120	5120	3840	2560	2560	2000	2000
9MP (3072x3072)	max bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
	target bitrate (Kbps)	4096	4096	3072	2048	2048	1856	1856
9MP (4096x2160)	max bitrate (Kbps)	7680	7680	5760	3840	3840	2880	2880
	target bitrate (Kbps)	3840	3840	2880	2000	2000	1778	1778
3840x2160	max bitrate (Kbps)	8192	8192	6144	4096	4096	3072	3072
	target bitrate (Kbps)	4096	4096	3072	2048	2048	1856	1856
6MP(3072x2048)	max bitrate (Kbps)	5120	5120	3840	2560	2560	1920	1920
	target bitrate (Kbps)	2560	2560	2000	1648	1648	1364	1364
2560x2560	max bitrate (Kbps)	5120	5120	3840	2560	2560	1920	1920
	target bitrate (Kbps)	2560	2560	2000	1648	1648	1364	1364
3072x1728	max bitrate (Kbps)	4096	4096	3072	2048	2048	1536	1536
	target bitrate (Kbps)	2048	2048	1856	1440	1440	1136	1136
2560x2048	max bitrate (Kbps)	4096	4096	3072	2048	2048	1536	1536
	target bitrate (Kbps)	2048	2048	1856	1440	1440	1136	1136
2592x1944	max bitrate (Kbps)	4608	4608	3456	2304	2304	1728	1728
	target bitrate (Kbps)	2304	2304	1928	1544	1544	1250	1250
2560x1920	max bitrate (Kbps)	4608	4608	3456	2304	2304	1728	1728
	target bitrate (Kbps)	2304	2304	1928	1544	1544	1250	1250
2688x1520	max bitrate (Kbps)	4096	4096	3072	2048	2048	1536	1536
	target bitrate (Kbps)	2048	2048	1856	1440	1440	1136	1136
4MP(2560x1440)	max bitrate (Kbps)	4096	4096	3072	2048	2048	1536	1536
	target bitrate (Kbps)	2048	2048	1856	1440	1440	1136	1136
QXGA(2048x1536)	max bitrate (Kbps)	3072	3072	2304	1536	1536	1152	1152
	target bitrate (Kbps)	1856	1856	1544	1136	1136	908	908
1080P(1920x1080)	max bitrate (Kbps)	2048	2048	1536	1024	1024	768	768
	target bitrate (Kbps)	1440	1440	1136	832	832	648	648
1280x960	max bitrate (Kbps)	1024	1024	768	512	512	384	384
	target bitrate (Kbps)	832	832	648	464	464	354	354
720P(1280x720)	max bitrate (Kbps)	1024	1024	768	512	512	384	384
	target bitrate (Kbps)	832	832	648	464	464	354	354

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