



Bandwidth 2000 Series

Double Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	9.88	10.3	10.7	10.9	11
Frames per Second	15	15	15	15	15
Bandwidth required per Second (MBytes)	0.1482	0.1545	0.1605	0.1635	0.165

Normal Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	6.83	7	7.33	7.66	7.7
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.2049	0.21	0.2199	0.2298	0.231

Half Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	6.6	6.63	6.66	6.96	7.26
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.198	0.1989	0.1998	0.2088	0.2178

* The real data consumption depends on the video content, in addition, you have to add the audio data consumption if there is any.

* For real-time calculation, please download the calculating tool from <http://www.vivotek.com/download/faq/calculator.zip>, which is provided.



Bandwidth 6000 Series

MPEG4

Double Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	3.833	4.571	6.666	9.333	12.6
Frames per Second	15	15	15	15	15
Bandwidth required per Second (MBytes)	0.057495	0.068565	0.09999	0.139995	0.189

Normal Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	0.83	1.36	2.23	3.66	4.33
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.0249	0.0408	0.0669	0.1098	0.1299

Half Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	0.73	1.16	1.66	2.36	2.86
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.0219	0.0348	0.0498	0.0708	0.0858

Motion JPEG

Double Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	15	18.92	27.91	35.9	50.1
Frames per Second	15	15	15	15	15
Bandwidth required per Second (MBytes)	0.225	0.2838	0.41865	0.5385	0.7515

Normal Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	6.33	7.76	11.26	13.66	18.69
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.1899	0.2328	0.3378	0.4098	0.5607

Half Size

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	2.46	3	4.23	5.5	6.23
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.0738	0.09	0.1269	0.165	0.1869

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Bandwidth 7000 Series IP7135-7137, PT7135-7137

160x120

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	0.818	0.862	0.991	1.163	1.336
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.02454	0.02586	0.02973	0.03489	0.04008

176x144

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	0.862	0.991	1.12	1.293	1.508
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.02586	0.02973	0.0336	0.03879	0.04524

320x240

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	1.12	1.293	1.551	1.939	2.284
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.0336	0.03879	0.04653	0.05817	0.06852

640x480

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	2.589	2.857	3.571	4.598	5.357
Frames per Second (Double)	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.07767	0.08571	0.10713	0.13794	0.16071

* The data revealed here is only for reference. The real recording capacity depends on the view and environment.

* The real data consumption depends on the video content, in addition, you have to add the audio data consumption if there is any.

* For real-time calculation, please download the calculating tool from <http://www.vivotek.com/download/faq/calculator.zip>, which is provided



Bandwidth 7000 Series IP7138-7139

MPEG4

176x144

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	0.18	0.257	0.328	0.435	0.511
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.0054	0.00771	0.00984	0.01305	0.01533

320x240

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	0.415	0.471	0.568	0.811	0.975
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.01245	0.01413	0.01704	0.02433	0.02925

640x480

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	1.522	1.572	2.03	2.871	3.528
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.04566	0.04716	0.0609	0.08613	0.10584

800x600

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	3.962	4.211	5.446	7.832	9.16
Frames per Second	8	8	8	8	8
Bandwidth required per Second (MBytes)	0.031696	0.033688	0.043568	0.062656	0.07328

Motion JPEG

176x144

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	2.197	2.692	3.579	4.76	5.673
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.06591	0.08076	0.10737	0.1428	0.17019

320x240

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	4.118	5.059	7.296	9.706	12.108
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.12354	0.15177	0.21888	0.29118	0.36324

640x480

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	11.163	13.96	20.788	28.394	36.029
Frames per Second	30	30	30	30	30
Bandwidth required per Second (MBytes)	0.33489	0.4188	0.62364	0.85182	1.08087

800x600

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	15.682	19.347	28.535	38.386	48.808
Frames per Second	8	8	8	8	8
Bandwidth required per Second (MBytes)	0.125456	0.154776	0.22828	0.307088	0.390464

1280x1024

Fixed Quality	Medium	Standard	Good	Detailed	Excellent
Frame Size (KBytes)	35.213	40.59	54.406	82.272	106.226
Frames per Second	8	8	8	8	8

Bandwidth required per Second (MBytes) 0.281704 0.32472 0.435248 0.658176 0.849808

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