WINGS AV HARDWARE PERFORMANCE COMPARISON
Full-HD Content @60FPS - 4x Full-HD Displays

FORMATS	LITE RX	PRO RX	STAGE V2 RX	RAW 4K1 RX	RAW 4K2 RX	RAW 4K3 RX	RAW 4K4 RX
HAP	7	9	22	27	27	27	40
HAP Q	4	5	13	17	17	17	18
DDS	8	8	8	30	30	30	35
H265 11Mb/s	3	5	8	7	7	7	7
H265 12Mb/s	4	6	8	7	7	7	7
H264 YUV420 18Mb/s	3	6	8	7	7	7	7
H264 YUV420 13Mb/s	3	6	8	7	7	7	7
H264 YUV420 10Mb/s	3	7	9	7	7	7	7
H264 YUV422 12Mb/s	3	7	7	7	7	7	7
PRORES 422 proxy q15	2	4	5	5	5	5	5
PRORES 444 proxy q15	1	3	4	3	3	3	3
BMP	1	1	2	6	9	9	14
PNG	1	2	5	4	4	4	4
TIFF	-	-	1	5	9	10	15
TGA	-	-	2	5	5	5	14

4x Full-HD60 monitors were used for all tests. One scaled video was played out per output. One GUI monitor with Full-HD resolution was used.

Please note that the kind of content used may influence the performance of individual video codecs.The test results are approximate values.

Performance results will differ when using VIOSO or FRAMEBLENDING.

WINGS AV HARDWARE PERFORMANCE COMPARISON

4096x2160 content @60fps - 4x4K Displays

FORMATS	LITE RX	PRO RX	STAGE V2 RX	RAW 4K1 RX	RAW 4K2 RX	RAW 4K3 RX	RAW 4K4 RX
HAP	-	2	3	4	4	4	7
HAP Q	-	1	2	3	3	3	4
DDS	-	2	2	4	5	5	12
H265 32Mb/s	-	-	1	1	1	1	1
H265 14,9Mb/s	-	1	1	1	1	1	1
H264 YUV420 50Mb/s	-	1	2	2	2	2	2
H264 YUV420 35Mb/s	-	1	2	2	2	2	2
H264 YUV420 25Mb/s	-	1	2	2	2	2	2
H264 YUV422 60Mb/s	-	1	1	1	1	1	1
PRORES 422 proxy 634Mb/s	-	1	1	1	1	1	1
PRORES 444 proxy q15	-	-	1	1	1	1	1
BMP	-	-	-	1	2	2	3
PNG	-	-	1	1	1	1	1
TIFF	-	-	-	1	2*	3*	4
TGA	-	-	-	1	1	2	3
* Only possible with 3x4K outputs							

4x4K60 monitors were used for all tests. One scaled video was played out per output. One GUI monitor with Full-HD resolution was used.

All tests were performed using 4096x2160@60fps content.

Please note that the kind of content used may influence the performance of individual video codecs.The test results are approximate values.

Performance results will differ when using VIOSO or FRAMEBLENDING.