视频解码测试

1. 基于Opencv的视频解码测试(1080P)

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| 视频通道数 | 平均帧速 | CPU占用率 | GPU占用率 |
| 1 | 70 | 53%-68% | 6% |
| 2 | 53 | 90%-96% | 5% |
| 3 | 40 | 97%-99% | 15% |
| 4 | 29 | 99%-100% | 13% |
| 5 | 24 | 100% | 17% |
| 6 | 19 | 100% | 13% |
| 7 | 17 | 100% | 12% |
| 8 | 15 | 100% | 13% |

1. 基于tx2中tegra\_multimdedia的视频解码测试(1080P)

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| 视频通道数 | 平均帧速 | CPU占用率 | GPU占用率 |
| 1 | 478 | 22%-35% | 3% |
| 2 | 307 | 34%-46% | 11% |
| 3 | 221 | 39%-56% | 20% |
| 4 | 156 | 59%-69% | 23% |
| 5 | 125 | 72%-88% | 12% |
| 6 | 106 | 96%-100% | 9% |
| 7 | 91 | 100% | 12% |
| 8 | 79 | 100% | 24% |
| 16 | 15 | 100% | 23% |

1. tx2中基于gstreamer的视频解码测试(720P)

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| 视频通道数 | 平均帧速 | CPU占用率 | GPU占用率 |
| 1 | 51 | 30% | 10% |
| 2 | 50 | 60% | 20% |
| 3 | 30 | 92% | 40% |
| 4 | 25 | 99% | 47% |
| 5 | 18 | 100% | 50% |
| 6 | 13 | 100% | 51% |

1. tx2中基于ffmpeg的视频解码测试(720P)

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| 视频通道数 | 平均帧速 | CPU占用率 | GPU占用率 |
| 1 | 230 | 70% | 4% |
| 2 | 150 | 92% | 15% |
| 3 | 100 | 99% | 20% |
| 4 | 65 | 100% | 25% |