# ENCRYPTION METRICS

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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **VID\_20200717\_171254** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **VID\_20200717\_171657\_01** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **VID\_20200717\_171835** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **VID\_20200717\_171931** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Total** |  |  | |  |  |  |  |  |  |  |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **VID\_20200717\_172041** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Total** |  |  | |  |  |  |  |  |  |  |
| **Average** |  |  | |  |  |  |  |  |  |  |

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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **Star Citizen: 325a Dream Weapons Combat Test AC - ULTRA 1080p60** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Total** |  |  | |  |  |  |  |  |  |  |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **Wreckfest 2016 - Racing 2 1080p60 HD HQ** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **Wreckfest 2016 - New Update Racing New Track 1080p60** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Total** |  |  | |  |  |  |  |  |  |  |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **DiRT Rally 2016 - Driving Rally With A BMW 1080p60** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
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| **Total** |  |  | |  |  |  |  |  |  |  |
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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **FlatOut: Ultimate Carnage 1080p60 Action** | | | | | | | |
| **Resolution** | | | **1080p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
| **1** |  |  | |  |  |  |  |  |  |  |
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| **Total** |  |  | |  |  |  |  |  |  |  |
| **Average** |  |  | |  |  |  |  |  |  |  |

# DECRYPTION METRICS

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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171254** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171657\_01** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171835** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171931** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_172041** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Star Citizen: 325a Dream Weapons Combat Test AC - ULTRA 1080p60** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Wreckfest 2016 - Racing 2 1080p60 HD HQ** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Wreckfest 2016 - New Update Racing New Track 1080p60** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **DiRT Rally 2016 - Driving Rally With A BMW 1080p60** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **FlatOut: Ultimate Carnage 1080p60 Action** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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# PROCESSING TIME

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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171254** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171657\_01** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171835** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_171931** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **VID\_20200717\_172041** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Star Citizen: 325a Dream Weapons Combat Test AC - ULTRA 1080p60** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Wreckfest 2016 - Racing 2 1080p60 HD HQ** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Wreckfest 2016 - New Update Racing New Track 1080p60** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **DiRT Rally 2016 - Driving Rally With A BMW 1080p60** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **FlatOut: Ultimate Carnage 1080p60 Action** | |
| **Resolution** | | **1080p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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