# ENCRYPTION METRICS

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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **Flight Simulator X - Flying PMDG Jetstream 41 1440p** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **Wreckfest 2016 July - 2 Racing Clips 1440p60** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **Forza Motorsport 6: Apex (Beta) - Heavy Rain Gameplay 1440p60** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **DiRT Rally 2016 - Driving Hard 2 - 1440p60** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **Project Cars 2016 - 1440p60 Racing Merc HQ HD** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **Bears Panasonic G85 - 4K UHD** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **Jackdaw Bird Panasonic G85 Clip High Quality - 4K UHD** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **Drifting in Real World by Drift Mechaniks 4K UHD** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
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| **Total** |  |  | |  |  |  |  |  |  |  |
| **Average** |  |  | |  |  |  |  |  |  |  |

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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **ARTE Carnival Ultra -HD Demo Video 4K UHD** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | | **Max Payne 3 - Part 1 of Part 1 in 4K UHD** | | | | | | | |
| **Resolution** | | | **1440p** | | | | | | | |
| **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** | | **Flight Simulator X - Flying PMDG Jetstream 41 1440p** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
| **1** |  | |  |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Wreckfest 2016 July - 2 Racing Clips 1440p60** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Forza Motorsport 6: Apex (Beta) - Heavy Rain Gameplay 1440p60** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **DiRT Rally 2016 - Driving Hard 2 - 1440p60** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Project Cars 2016 - 1440p60 Racing Merc HQ HD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Bears Panasonic G85 - 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Jackdaw Bird Panasonic G85 Clip High Quality - 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Drifting in Real World by Drift Mechaniks 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **ARTE Carnival Ultra -HD Demo Video 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Max Payne 3 - Part 1 of Part 1 in 4K UHD** | |
| **Resolution** | | **1440p** | |
| **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** | | **Flight Simulator X - Flying PMDG Jetstream 41 1440p** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Wreckfest 2016 July - 2 Racing Clips 1440p60** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Forza Motorsport 6: Apex (Beta) - Heavy Rain Gameplay 1440p60** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **DiRT Rally 2016 - Driving Hard 2 - 1440p60** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Project Cars 2016 - 1440p60 Racing Merc HQ HD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Bears Panasonic G85 - 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Jackdaw Bird Panasonic G85 Clip High Quality - 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Drifting in Real World by Drift Mechaniks 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **ARTE Carnival Ultra -HD Demo Video 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **Max Payne 3 - Part 1 of Part 1 in 4K UHD** | |
| **Resolution** | | **1440p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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