# ENCRYPTION METRICS

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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **1** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **2** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **3** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **4** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **5** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **6** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **7** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **8** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **Frame Number** | **Correlation Coefficient** | | | | **E(i)** | | | | **Differential Attacks** | |
| **CCh** | **CCv** | | **CCd** | **Red** | **Green** | **Blue** | **Combined** | **NPCR** | **UACI** |
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| **Average** |  |  | |  |  |  |  |  |  |  |

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| **Encryption Algorithm** | | | **ALGORITHM1** | | | | | | | |
| **Video Stream** | | | **9** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | | **10** | | | | | | | |
| **Resolution** | | | **2160p** | | | | | | | |
| **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** | | **1** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
| **1** |  | |  |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **2** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **3** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **4** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **5** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **6** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **7** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **8** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **9** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Mean Square Error** | | **Peak Signal-to-Noise Ratio** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **10** | |
| **Resolution** | | **2160p** | |
| **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** | | **1** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **2** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **3** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **4** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **5** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **6** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **7** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **8** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **9** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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| **Encryption Algorithm** | | **ALGORITHM1** | |
| **Video Stream** | | **10** | |
| **Resolution** | | **2160p** | |
| **Frame Number** | **Encryption (In seconds)** | | **Decryption (In seconds)** |
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