Table 4: The Embedding Capacity (EC) of Example Image

Test Image	Embedding Capacity (bits)	
	Previous Method	Proposed Method
Image 1	911997	911997
Image 2	375320	375320
Image 3	381175	381175
Image 4	176035	176035
Image 5	99713	99713
Image 6	686576	686576

Test Image	Embedding Capacity (bits)	
	Previous Method	Proposed Method
Image 7	614096	614096
Image 8	712379	712379
Image 9	695552	695552
Image 10	289499	289499
Image 11	299350	299350
Image 12	346925	346925

5. Conclusions

In this paper, we present RDH scheme using encryption and dynamic permutation for strengthening the security against known plain text attack. Based on the experiment result it can be concluded that the proposed method is stronger than previous one while maintaining the correlation between neighboring pixels, as well as the embedding capacity. However, in the proposed method the sender and the receiver should remember the session number before they start the session.

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