This evaluation provides evidence that combining the domains of homomorphic encryption and moving object detection can produce promising results comparable to existing algorithms extracting moving objects from unencrypted, plain video data. Moreover, it demonstrates that progress can be made in improving the performance of systems incorporating these techniques. However, it acknowledges that further research is required into homomorphic primitives to provide more operations on encrypted data and reduce the space complexity of encrypted data to improve the time complexity of data transmission and inference algorithms.