

Criteria	Combination A	Combination B	Combination c
Time	Medium	Fast	Medium
File Size	Larger,Because data is hidden inside an image	Smaller than others	Larger than the original file
Difficulty	Medium	Easy	Medium
Hiding Level	High-the file hidden inside an image	Low-encrypted file is visible	High-data is hidden inside an image
Integrity	Medium	High	Very High
Confidentiality	High	Very High	Medium
Authenticity	No	No	Yes(digital signature is used)

Based on the comparison table, **Combination C** provides the highest level of security because it combines encryption, steganography, and digital signatures.

It ensures confidentiality, integrity, and authenticity at the same time.

Combination A is useful when hiding sensitive data is required but authenticity is not important.

Combination B is the fastest and simplest solution and is suitable when quick encryption is needed without hiding the file.