

It produces poor image quality when compressing text or images containing sharp edges or lines.

Gibb's effect is the name given to this phenomenon where disturbances/ripples may be seen at the margins of objects with sharp borders.

5 It is not suitable for 2 bit black and white images.

It is not resolution independent. Does not provide for scalability, where the image is displayed optimally depending on the resolution of the viewing device.

JPEG-LS

10 It does not provide support for scalability, error resilience or any such functionality. Blockiness still exist at higher compression ratios.

JPEG-LS does not offer any particular support for error resilience, besides restart markers, and has not been designed with it in mind.

JPEG-2000

15 Jpeg-2000 do not provide any truly substantial improvement in compression efficiency and are significantly more complex than JPEG, with the exception of JPEG-LS for lossless compression.