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**A STUDY OF IMAGE COMMUNICATION SCHEME USING
CELLULAR NEURAL NETWORK**

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ABSTRACT

The rapid development of new technologies such as cloud computing, big data, block chain, and others, privacy and message sharing have never been simpler. However, the convenience comes at the risk of cyberspace's security. Due to the fact that digital images serve as a crucial communication channel, they might include a significant quantity of private information, as well as trade secrets and other critical data. Encryption technology is often used to keep digital photos safe, and it has found applications across a wide variety of industries. Many sophisticated block encryption methods are being used in text encryption because of their impressive results. Normal text encryption is complicated by the image's unique properties, such as its two-dimensionality, redundancy, and the high degree of connectivity between adjacent pixels. To improve communication efficiency, image encryption should include real-time transmission as well. As a consequence, staying abreast of new photo encryption methods and technologies is vital.