

Technology Increasing Capacity Protected Channel Delivery Video Data Telecommunication Systems Critical Infrastructure

Publisher: IEEE

[Cite This](#)

 PDF

Vitaliy Tverdokhlib ; Kateryna Zakomorna ; Dmytro Dvukhglavov ; Oleksandr Oleksin ; Dmytro Zhuikov ; Volodymyr Kryvonos [All Authors](#)

11

Full

Text Views



Abstract

Document Sections

I. Introduction

II. Development of technology to increase the bandwidth of the protected channel

III. Conclusion

Abstract:

The technology of video stream closure has been developed, which is based on the detection and closure of significant structural units. This technology employs the introduction of the closure marker into the code structure of the video stream for use on unmanned aerial vehicles. This makes it possible to meet departmental requirements for the speed of transmission in conditions of increased frame rates. At the same time, the quality of the updated video data is higher than when using other concealment methods. This is since the encoding process takes into account the processing of the base video frame substantial structural units.

Published in: 2021 IEEE 3rd International Conference on Advanced Trends in Information Theory (ATIT)

Authors

Date of Conference: 15-17 December 2021

INSPEC Accession Number: 21574655

Figures

Date Added to IEEE Xplore: 20 January 2022

DOI: 10.1109/ATIT54053.2021.9678736

References

► **ISBN Information:**

Publisher: IEEE

Keywords

Conference Location: Kyiv, Ukraine

Metrics