Night Vision Technology: An Overview

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Abstract

Image Processing refers Capturing and manipulating images to enhance or extract information. Image processing is a form of signal processing for which the input is an image, such as a photograph or frame. The output of image processing may be either an image or, a set of characteristics or parameters related to the image. This paper is about Night vision Technology, by definition, literally allows one to see in the dark, originally developed for military use. Night vision can work in two very different ways, depending on the technology used. Image enhancement–This works by using the lower portion of the infrared light spectrum. Thermal imaging - This technology operates by using the upper portion of the infrared light spectrum.

References

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Index Terms

Computer Science  Image Processing

Keywords

Night vision Technology, Image enhancement, Image intensifier tube, Thermal imaging (Un-cooled, Cryogenically cooled), near infrared, Mid-infrared, Thermal infrared.