

The Spatial Standard Observer as a tool for design of UAV viewing systems.
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Many UAVs are deployed to permit viewing of a remote environment. The cameras, image coding and communication systems, and displays used will determine the size and attributes of remote targets that can be detected and identified. We have developed a simple visibility metric for human vision, called the Spatial Standard Observer, that may be useful in predicting the performance of such systems. We will describe the theory and operation of the SSO, and illustrate how it might be used in design or specification of a UAV viewing system.