

Performance Attributes

There are three important attributes for judging performance. They are: **sensitivity, signal, and resolution**. As the customer, you need to know about these three characteristics to determine the performance level of a night vision system.

Sensitivity, or photoresponse, is the image tube's ability to detect available light. It is usually measured in " $\mu\text{A}/\text{lm}$," or microamperes per lumen. ITT's advanced technology and processing enable us to give our customers products with outstanding sensitivity. That's why many of our products do not come with standard IR illuminators. With many applications illuminators aren't necessary. Our competitors put IR illuminators on their products to get acceptable performance under low light conditions.

Signal plays a key role in night vision performance. ITT's microchannel plate technology is unsurpassed in its ability to transfer a strong signal from input to output. Just as high-end stereo equipment gives you quality sound, ITT Night Vision gives you a quality output image without "noise."

Resolution is the third major consideration when purchasing night vision. This is the ability to resolve detail in your image. High quality optics and the latest processing methods give ITT Industries Night Vision the edge. Some of our competitors put magnified optics in their systems to give the illusion that they have high resolving systems. In the trade-off, field of view is sacrificed. ITT gives the option of higher magnification, only so you can have it if you want it - not because your system needs it to function effectively. Our technology offers a uniquely formulated phosphor to create the highest contrasting images, thereby generating the highest resolution products available to the consumer.

ITT Industries Night Vision provides you with the best night vision performance on the market. That's because we have highly trained engineers dedicated to continuous process improvements in state-of-the-art development of night vision image tubes and systems. We are the world's leader for Gen 3 image intensified (amplified) night vision products for the U.S. military. Ensuring that our military remains the best in the world requires excellence in product and technology development, and we pass that excellence on to all our customers. You get the latest technology and the assurance that our products meet or exceed all others on the market.