



# IMAGE INTENSIFIER & Vis-NIR-SWIR CHARACTERIZATION FACILITY

## Standard metrics

- MTF
- MRC
- Gain
- SNR
- Spectral response

Spectral range in Vis, I2, SWIR: 350 to 2200 nm

Realistic scenes as well as USAF targets

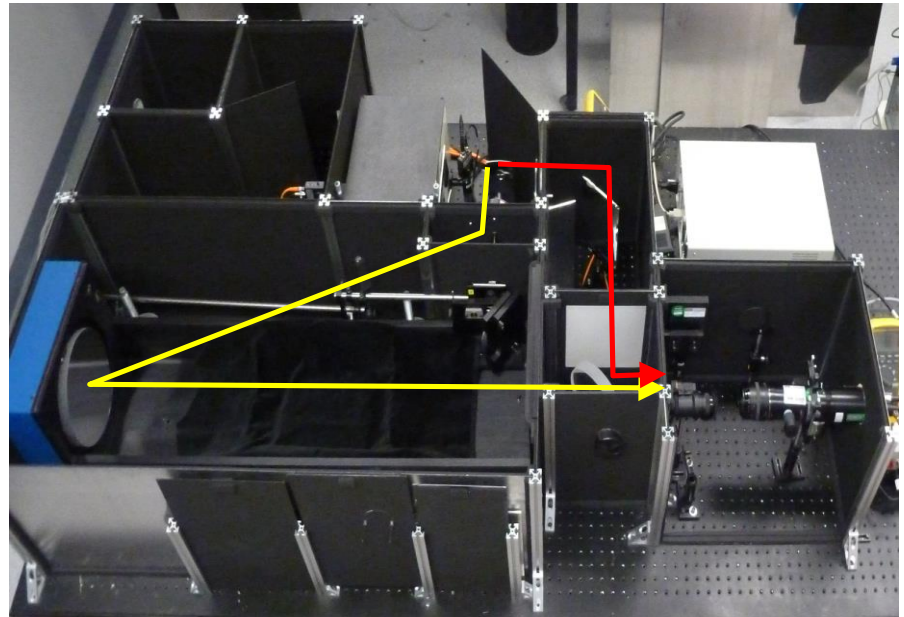
## Dynamic response characterization

- Response time
- Autogating
- Frequency

## Robustness and degradation testing

- Static and dynamic responses to illuminance up to 80,000 lux

Characterization over extensive operating temperature range (-10°C to 50°C)



Characterization setup with independent target and background illumination paths

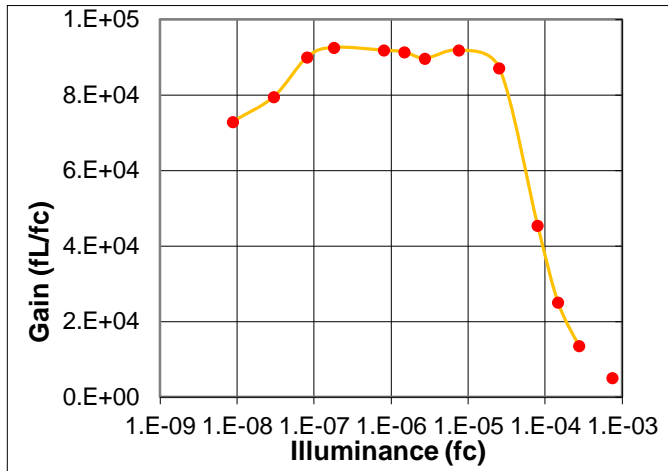


Observation of a realistic scene at the output of an image intensifier device

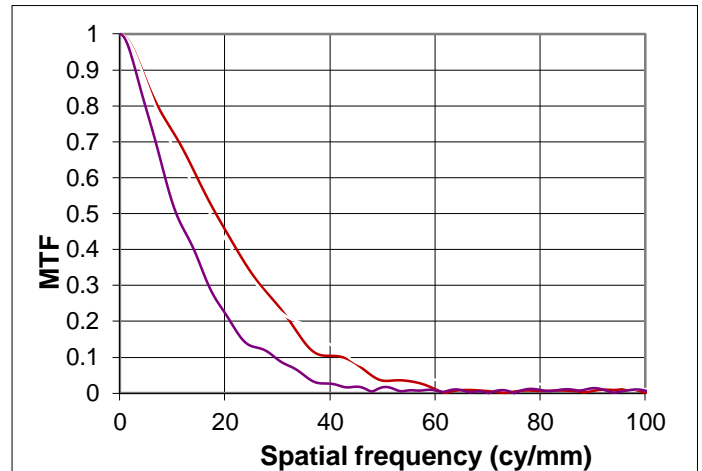
R&D CONTRACTS – PROTOTYPING – PREPRODUCTION  
SHORT-RUN PRODUCTION – TECHNOLOGY TRANSFER



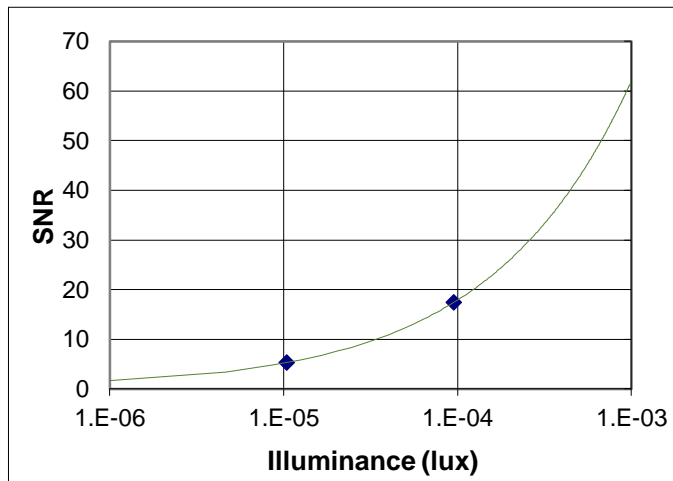
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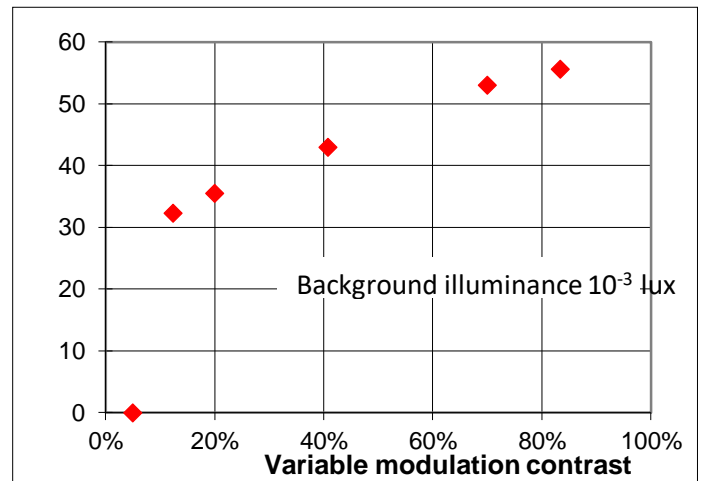
Gain Characterization



MTF Evaluation



SNR Characterization



Spatial Frequency Response Evaluation

INO is a world-class center of expertise in industrial applications for optics and photonics, and a leading simulation and characterization service provider of infrared and terahertz systems.

COMM-16007