

Night Vision Technology Comparison

	Technology	Light Amplification	Infrared Sensitivity	IMAGE QUALITY			Enhanced Features
				Resolution (lp/mm)	Distortion	Anomalies	
Gen 1	Intensifier Tube	200x-500x	Good	15 Average 35 Center	Fish-eye View, Blooming	Long List of Image Anomalies	None
Gen 2	Intensifier Tube with Fiber Optic	200x to 1,000x	Better	19	High Noise, Blooming	Examples: -Black spots -Honeycomb Structure -Voids -Splotches -Smokescreen -Foreign debris -Etc.	None
Gen 3	Intensifier Tube with Fiber Optic and GaAs	1,000x to 10,000x	Better	32-40	Low Distortion Blooming		None
Analog “Digital”	3rd-Party Integrated Composite Analog	10x to 200x	Best	30	Low Distortion	Video Signal Distortion, Hot Pixels	Analog Video Output
iGEN	Proprietary Image Processing. All-Digital	Adjustable from 300x to 10,000x	Best	30	Very Low Distortion Features to Manage Signal-to-noise	None	Photography, Programmability, Infrared Intelligence, Automated Gain Control, Analog Video Output, Bright-Light Dimming