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How far you can see with a night vision device depends on how much ambient light is available and how large the object you want to see is.

		GEN 1				GEN 2+				GEN 3 (GA1, GA2, GA3)			
		Full Moon	Half Moon	Starlight	Overcast	Full Moon	Half Moon	Starlight	Overcast	Full Moon	Half Moon	Starlight	Overcast
Deer	100-240 cm	180 m	130 m	90 m	60 m	275 m	200 m	160 m	90 m	365 - 450 m	275 - 365 m	200 - 250 m	135 - 180 m
	50-100 cm												
Human	40 - 90 cm	230 m	180 m	135 m	90 m	450 m	400 m	275 m	135 m	590 - 690 m	450 - 550 m	340 - 370 m	180 - 230 m
	75-200 cm												
Vehicle	400-700 cm	690 m	450 m	275 m	135 m	900 m	730 m	500 m	275 m	1140 - 1280 m	900 - 1050 m	730 - 870 m	500 - 600 m
	300-400 cm												

* The above data is approximate and is based off an average of collected data of night vision devices with 1X magnification in green phosphor with a diversity of the type of devices (monoculars, goggles, binoculars) with a number of varying factors such as FOM (resolution, signal-to-noise ratio), F number and overall quality of Lenses, rain, snow, hail, wind, fog/mist/haze, air pressure, temperature, surrounding landscape, presence/absence of external sources of lights and light pollution.

General Starlight Co., Inc.
Supplying Law Enforcement & Military Clients since 1992

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