

Table 1: Key distinctions of ambient and focal vision.
Adapted from Schieber, Schlorholtz, and McCall (2009)

	Ambient	Focal
Cortical Tract	Dorsal	Ventral
Visual Field	Predominately peripheral	Predominately central
Acuity	Low visual acuity	High visual acuity
Speed	Fast	Slow
Motion	Sensitive to motion	Motion insensitive
Contrast Sensitivity	Low contrast/High sensitivity	High contrast/low sensitivity
Color	Largely colorblind	Color sensitive
Cognitive Resource Needed	Minimal	Substantial
Goal of System	Action/Where	Perception/What
Control Mode	Closed-loop	Open-loop
Steering Component	Near road error nullification	Anticipatory Prediction