

NIGHTRIDE

TECHNICAL SPECIFICATIONS

	NightRide Trailblazer*	NightRide Trailblazer* HighRes 640	NightRide 360** Classic 384 - 13 mm	NightRide 360** Classic 19 384 - 19 mm	NightRide 360** Classic Telephoto 384 - 35 mm
Vehicle Specific Mounts	No	No	No	No	No
Mounting	Hood/GoPro Compatible	Hood/GoPro Compatible	Magnetic - Roof	Magnetic - Roof	Magnetic - Roof
Pan/Tilt	None	None	Remote Control	Remote Control	Remote Control
Sealed Design	IP69	IP69	IP67	IP67	IP67
Power Consumption	4w max	4w max	12w max	12w max	12w max
Power Requirement	12-16 VDC	12-16 VDC	12-16 VDC	12-16 VDC	12-16 VDC
Operating Temperature	-40F to +140F	-40F to +140F	-40F to +140F	-40F to +140F	-40F to +140F
Lens	13mm	13mm	13mm	19mm	35mm
Lens Heater	Yes	Yes	Yes	Yes	Yes
Field of View	28° (H)	28° (H)	28° (H)	19° (H)	10° (H)
Frames Per Sec	25hz	25hz	25hz	25hz	25hz
Resolution	384 x 288 uncooled Microbolometer	640 x 512 uncooled Microbolometer	384 x 288 uncooled Microbolometer	384 x 288 uncooled Microbolometer	384 x 288 uncooled Microbolometer
Sensor Pixel Size	17 Micron	12 Micron	17 Micron	17 Micron	17 Micron
Color Palette	Black, White, Green, Rainbow	Black, White, Green, Rainbow	Black, White, Green, Rainbow	Black, White, Green, Rainbow	Black, White, Green, Rainbow
Digital Zoom	1,2,4,8	1,2,4,8	1,2,4,8	1,2,4,8	1,2,4,8
Object Focus Range	20 feet to infinity	20 feet to infinity	20 feet to infinity	35 feet to infinity	150 feet to infinity
Focusing Mechanism	Fixed	Fixed	Fixed	Fixed	Fixed
Ethernet Included	No	Yes	Yes	Yes	Yes

	NightRide 360** HighRes 640-19mm	NightRide 360** HighRes Telephoto 640-35mm	NRP-SL/NRP-SLC	NRP-SL-640	SENTINEL	SENTINEL 640
Vehicle Specific Mounts	No	No	No	No	Yes	Yes
Mounting	Magnetic - Roof	Magnetic - Roof	Unity Spotlight S04/S14	Unity Spotlight S04	Light Bar, Roof, Fender	Light Bar, Roof, Fender
Pan	Remote Control	Remote Control	None	None	Remote Control	Remote Control
Sealed Design	IP67	IP67	IP69	IP69	IP67	IP67
Power Consumption	12w max	12w max	4w max	4w max	12w max	12w max
Power Requirement	12-16 VDC	12-16 VDC	12-16 VDC	12-16 VDC	12-16 VDC	12-16 VDC
Operating Temperature	-40F to +140F	-40F to +140F	-40F to +140F	-40F to +140F	-40F to +140F	-40F to +140F
Lens	19mm	35mm	13mm	13mm	13mm	13mm
Lens Heater	Yes	Yes	Yes	Yes	Yes	Yes
Field of View	23° (H)	12° (H)	28° (H)	28° (H)	28° (H)	28° (H)
Frames Per Sec	25hz	25hz	25hz	25hz	25hz	25hz
Resolution	640 x 512 uncooled Microbolometer	640 x 512 uncooled Microbolometer	384 x 288 uncooled Microbolometer	640 x 512 uncooled Microbolometer	384 x 288 uncooled Microbolometer	640 x 512 uncooled Microbolometer
Sensor Pixel Size	12 Micron	12 Micron	17 Micron	12 Micron	17 Micron	12 Micron
Color Palette	Black, White, Green, Rainbow	Black, White, Green, Rainbow	Black, White, Green, Rainbow	Black, White, Green, Rainbow	Black, White, Green, Rainbow	Black, White, Green, Rainbow
Digital Zoom	1,2,4,8	1,2,4,8	1,2,4,8	1,2,4,8	1,2,4,8	1,2,4,8
Object Focus Range	35 feet to infinity	150 feet to infinity	20 feet to infinity	20 feet to infinity	20 feet to infinity	20 feet to infinity
Focusing Mechanism	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Ethernet Included	Yes	Yes	No	Yes	Yes	Yes

* Formerly Known As NightRide Ranger

** Formerly Known As NightRide Scout