

The Avenger 40 is a premium grade infrared rifle scope that combines a highly advanced thermal optical design with state-of-the-art media capabilities that include video, audio, still photography, and Wi-Fi. The Avenger platform is powered by two Protected 18650 type rechargeable batteries that provide an enormous amount of power for exceptionally long run times and maximum sensor performance. The Avenger 40 features our premium WAVE12 sensor with 384x288 resolution and delivers performance way above its class; often outperforming units that cost thousands more.



FUSION THERMAL\*



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Thermal Sensor  Sensor Pixel Size  Objective Lens Diameter  40mm (Arclight)  Frame Refresh Rate  Field-of-View  Base Level Magnification  Digital Magnification  Display Type/Resolution  Reticle Design Options  Author Field- Gold Start)  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Ves  Battery Type  Expected Battery Life  Fred Admin (Arclight)  12 Micron  40mm (Arclight)  40mm (Arclight)  40mm (Arclight)  40mm (Arclight)  40mm (Arclight)  50mb (3x optical mag.)  3x (before any digital zoom)  Super HD OLED RGBW/3.2 Mill dots  40mb (White Hot, Black Hot, Red Hot, Predate Hot, Predate Hot, Predate Hot, Predate Hot, Black Hot, Red Hot, Predate Hot, Black, Red, Green, Blue)  70mb (White, Black, Red, Green, Blue)  70mb (Start-Up Time (Cold Start)  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Ves (30 min. turn off with no use)  Video Output  Yes (via Wi-Fi and USB paring function)  WIFI Equipped  Fyes  Battery Type  Expected Battery Life  9+ Hours (typical operation)  External Power Supply Capable  Yes  Fint. Lens Housing Outside Dia.  49.7mm	CDECIFICATIONS		
Sensor Pixel Size  Objective Lens Diameter  Frame Refresh Rate  Field-of-View  360' at 1000 yards (3x optical mag.)  Base Level Magnification  Digital Magnification  Super HD OLED RGBW/3.2 Mill dots  Color Palette Modes  Reticle Design Options  Reticle Color Options  Multiple Gun Profiles  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  On Board Photo / Video Record  Video Output  WIFI Equipped  Battery Type  Expected Battery Life  External Power Supply Capable  Frot. Lens Housing Outside Dia.  130 Video Rad (1000 yards (1000 yards))  12 Micron  13 Micron  40 Mmm (Arclight)  40 Mmm (Arclight)  40 Mmm (Arclight)  50 Hz  40 Mmm (Arclight)  50 Hz  40 Mmm (Arclight)  50 Hz  40 Magnification  30 WinMag  Nitrogen Purged  Frot. Lens Housing Outside Dia.	SPECIFICATIONS		
Objective Lens Diameter  Frame Refresh Rate  Field-of-View  360' at 1000 yards (3x optical mag.)  Base Level Magnification  Digital Magnification  Digital Magnification  Super HD OLED RGBW/3.2 Mill dots  Color Palette Modes  4 (White Hot, Black Hot, Red Hot, Predate Reticle Design Options  Reticle Color Options  Tolet (White, Black, Red, Green, Blue)  Multiple Gun Profiles  Pes (save up to 5 different zeros)  Detection Range  Up to 1900 Yards  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  WiFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Recharges  Expected Battery Life  Pes (via USB-C port)  Recoil Rating  Nitrogen Purged  Frnt. Lens Housing Outside Dia.	Thermal Sensor	384x288, VOx Uncooled (WAVE12)	
Frame Refresh Rate  Field-of-View  360' at 1000 yards (3x optical mag.)  Base Level Magnification  Digital Magnification  Super HD OLED RGBW/3.2 Mill dots  Color Palette Modes  4 (White Hot, Black Hot, Red Hot, Predate Reticle Design Options  7 (plus a "No Reticle" 8th option)  Reticle Color Options  5 (White, Black, Red, Green, Blue)  Multiple Gun Profiles  Pes (save up to 5 different zeros)  Detection Range  Up to 1900 Yards  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  WIFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life  9+ Hours (typical operation)  Recoil Rating  Nitrogen Purged  Frnt. Lens Housing Outside Dia.  49.7mm	Sensor Pixel Size	12 Micron	
Field-of-View  360' at 1000 yards (3x optical mag.)  Base Level Magnification  Digital Magnification  Example 1 Super HD OLED RGBW/3.2 Mill dots  Color Palette Modes  Reticle Design Options  Reticle Color Options  Multiple Gun Profiles  Start-Up Time (Cold Start)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  WIFI Equipped  Battery Type  Expected Battery Life  External Power Supply Capable  Fint. Lens Housing Outside Dia.  Super HD OLED RGBW/3.2 Mill dots  A (White Hot, Black Hot, Red Hot, Predate  4 (White Hot, Black Hot, Red Hot, Predate  5 (White, Black, Red, Green, Blue)  4 (White, Black, Red, Green, Blue)  7 (plus a "No Reticle" 8th option)  For (White, Black, Red, Green, Blue)  4 (White Hot, Black Hot, Red Hot, Predate  4 (White Hot, Black Hot, Red Hot, Predate  5 (White, Black, Red, Green, Blue)  7 (plus a "No Reticle" 8th option)  For (Subar, Red Hot, Predate  4 (White Hot, Black Hot, Red Hot, Predate  4 (White Hot, Black Hot, Red Hot, Predate  5 (White, Black, Red, Green, Blue)  7 (plus a "No Reticle" 8th option)  For (Subar, Red Hot, Predate  8 (White Hot, Black Hot, Red Hot, Predate  9 (Subar, Red Hot, Pr	Objective Lens Diameter	40mm (Arclight)	
Base Level Magnification  Digital Magnification  Example 12 (2-step digital zoom)  Display Type/Resolution  Super HD OLED RGBW/3.2 Mill dots  Color Palette Modes  4 (White Hot, Black Hot, Red Hot, Predate Reticle Design Options  7 (plus a "No Reticle" 8th option)  Reticle Color Options  5 (White, Black, Red, Green, Blue)  Multiple Gun Profiles  Petection Range  Up to 1900 Yards  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  Yes (30 GB internal hard drive)  Video Output  Yes (via Wi-Fi and USB paring function)  WIFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life  9+ Hours (typical operation)  External Power Supply Capable  Yes  Frit. Lens Housing Outside Dia.  49.7mm	Frame Refresh Rate	50 Hz	
Digital Magnification  Display Type/Resolution  Super HD OLED RGBW/3.2 Mill dots  Color Palette Modes  4 (White Hot, Black Hot, Red Hot, Predate Reticle Design Options  7 (plus a "No Reticle" 8th option)  Reticle Color Options  5 (White, Black, Red, Green, Blue)  Multiple Gun Profiles  Yes (save up to 5 different zeros)  Detection Range  Up to 1900 Yards  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  Yes (via Wi-Fi and USB paring function)  WIFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Recharges  Expected Battery Life  9+ Hours (typical operation)  External Power Supply Capable  Recoil Rating  Nitrogen Purged  Frnt. Lens Housing Outside Dia.  49.7mm	Field-of-View	360' at 1000 yards (3x optical mag.)	
Display Type/Resolution  Color Palette Modes  4 (White Hot, Black Hot, Red Hot, Predate Reticle Design Options  Reticle Color Options  7 (plus a "No Reticle" 8th option)  Reticle Color Options  5 (White, Black, Red, Green, Blue)  Multiple Gun Profiles  Petection Range  Up to 1900 Yards  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  Video Output  WIFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life  9+ Hours (typical operation)  Recoil Rating  Nitrogen Purged  Yes  Frnt. Lens Housing Outside Dia.  49.7mm	Base Level Magnification	3x (before any digital zoom)	
Color Palette Modes  Reticle Design Options  Reticle Color Options  Reticle Color Options  Detection Range  Start-Up Time (Cold Start)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  WIFI Equipped  Battery Type  Expected Battery Life  External Power Supply Capable  External Power Supply Capable  First. Lens Housing Outside Dia.  4 (White Hot, Black, Red Hot, Predato  7 (plus a "No Reticle" 8th option)  8 (save up to 5 different zeros)  9 (30 min. turn off with no use)  7 (sa) Gamba drive of the predict of the p	Digital Magnification	6x & 12x (2-step digital zoom)	
Reticle Design Options 7 (plus a "No Reticle" 8th option)  Reticle Color Options 5 (White, Black, Red, Green, Blue)  Multiple Gun Profiles Yes (save up to 5 different zeros)  Detection Range Up to 1900 Yards  Start-Up Time (Cold Start) 5 Seconds  Start-Up Time (Power Saver) Instant  Auto Shutdown Battery Saver Yes (30 min. turn off with no use)  On Board Photo / Video Record Yes (30GB internal hard drive)  Video Output Yes (via Wi-Fi and USB paring function)  WIFI Equipped Yes  Battery Type (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life 9+ Hours (typical operation)  External Power Supply Capable Yes (via USB-C port)  Recoil Rating 300 WinMag  Nitrogen Purged Yes  Frnt. Lens Housing Outside Dia. 49.7mm	Display Type/Resolution	Super HD OLED RGBW/3.2 Mill dots	
Reticle Color Options 5 (White, Black, Red, Green, Blue)  Multiple Gun Profiles Yes (save up to 5 different zeros)  Detection Range Up to 1900 Yards  Start-Up Time (Cold Start) 5 Seconds  Start-Up Time (Power Saver) Instant  Auto Shutdown Battery Saver Yes (30 min. turn off with no use)  On Board Photo / Video Record Yes (30GB internal hard drive)  Video Output Yes (via Wi-Fi and USB paring function)  WIFI Equipped Yes  Battery Type (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life 9+ Hours (typical operation)  External Power Supply Capable Yes (via USB-C port)  Recoil Rating 300 WinMag  Nitrogen Purged Yes  Frnt. Lens Housing Outside Dia. 49.7mm	Color Palette Modes	4 (White Hot, Black Hot, Red Hot, Predator)	
Multiple Gun Profiles  Petection Range  Up to 1900 Yards  Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  WIFI Equipped  Battery Type  Expected Battery Life  External Power Supply Capable  Recoil Rating  Nitrogen Purged  Yes (save up to 5 different zeros)  Yes (save up to 5 different zeros)  Ves (on Mithous Seconds)  Seconds  1 Instant  Yes (30 min. turn off with no use)  Yes (via Wi-Fi and USB paring function)  Yes (via Wi-Fi and USB paring function)  Yes  (2x) 18650 Protected Lithium-ion Recharged  Expected Battery Life  9+ Hours (typical operation)  External Power Supply Capable  Yes (via USB-C port)  Recoil Rating  Nitrogen Purged  Yes  Frnt. Lens Housing Outside Dia.  49.7mm	Reticle Design Options	7 (plus a "No Reticle" 8th option)	
Detection Range Up to 1900 Yards  Start-Up Time (Cold Start) 5 Seconds  Start-Up Time (Power Saver) Instant  Auto Shutdown Battery Saver Yes (30 min. turn off with no use)  On Board Photo / Video Record Yes (30GB internal hard drive)  Video Output Yes (via Wi-Fi and USB paring function)  WIFI Equipped Yes  Battery Type (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life 9+ Hours (typical operation)  External Power Supply Capable Yes (via USB-C port)  Recoil Rating 300 WinMag  Nitrogen Purged Yes  Frnt. Lens Housing Outside Dia. 49.7mm	Reticle Color Options	5 (White, Black, Red, Green, Blue)	
Start-Up Time (Cold Start)  Start-Up Time (Power Saver)  Instant  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  WIFI Equipped  Battery Type  Expected Battery Life  External Power Supply Capable  Recoil Rating  Nitrogen Purged  Start-Up Time (Power Saver)  Instant  Yes (30 min. turn off with no use)  Yes (30GB internal hard drive)  Yes (via Wi-Fi and USB paring function)  Yes  (2x) 18650 Protected Lithium-ion Recharged  Start-Up Time (Power Supply Capable Protected Lithium-ion Recharged  Yes (via USB-C port)  Recoil Rating  Nitrogen Purged  Yes  Frnt. Lens Housing Outside Dia.  49.7mm	Multiple Gun Profiles	Yes (save up to 5 different zeros)	
Start-Up Time (Power Saver)  Auto Shutdown Battery Saver  On Board Photo / Video Record  Video Output  WIFI Equipped  Battery Type  Expected Battery Life  External Power Supply Capable  Recoil Rating  Nitrogen Purged  Instant  Yes (30 min. turn off with no use)  Yes (30 min. turn off with no use)  Yes (30 min. turn off with no use)  Yes (via Wi-Fi and USB paring function)  Yes  (2x) 18650 Protected Lithium-ion Recharged  Yes (via USB-C port)  300 WinMag  Nitrogen Purged  Yes  Frnt. Lens Housing Outside Dia.  49.7mm	Detection Range	Up to 1900 Yards	
Auto Shutdown Battery Saver On Board Photo / Video Record Yes (30 min. turn off with no use) Video Output Yes (via Wi-Fi and USB paring function) WIFI Equipped Yes Battery Type (2x) 18650 Protected Lithium-ion Rechargea Expected Battery Life 9+ Hours (typical operation) External Power Supply Capable Yes (via USB-C port) Recoil Rating Nitrogen Purged Yes Frnt. Lens Housing Outside Dia. 49.7mm	Start-Up Time (Cold Start)	5 Seconds	
On Board Photo / Video Record  Video Output  Yes (via Wi-Fi and USB paring function)  WIFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life  9+ Hours (typical operation)  External Power Supply Capable  Yes (via USB-C port)  Recoil Rating  Nitrogen Purged  Yes  Frnt. Lens Housing Outside Dia.  Yes (30GB internal hard drive)  Yes (via Wi-Fi and USB paring function)  Yes  300 WinMag  49.7mm	Start-Up Time (Power Saver)	Instant	
Video Output  Yes (via Wi-Fi and USB paring function)  WIFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life  9+ Hours (typical operation)  External Power Supply Capable  Recoil Rating  Nitrogen Purged  Yes  Frnt. Lens Housing Outside Dia.  Yes (via USB-C port)  300 WinMag  Nitrogen Purged  Yes  49.7mm	Auto Shutdown Battery Saver	Yes (30 min. turn off with no use)	
WIFI Equipped  Battery Type  (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life  9+ Hours (typical operation)  External Power Supply Capable  Yes (via USB-C port)  Recoil Rating  300 WinMag  Nitrogen Purged  Yes  Frnt. Lens Housing Outside Dia.  49.7mm	On Board Photo / Video Record	Yes (30GB internal hard drive)	
Battery Type (2x) 18650 Protected Lithium-ion Rechargea  Expected Battery Life 9+ Hours (typical operation)  External Power Supply Capable Yes (via USB-C port)  Recoil Rating 300 WinMag  Nitrogen Purged Yes  Frnt. Lens Housing Outside Dia. 49.7mm	Video Output	Yes (via Wi-Fi and USB paring function)	
Expected Battery Life 9+ Hours (typical operation)  External Power Supply Capable Yes (via USB-C port)  Recoil Rating 300 WinMag  Nitrogen Purged Yes  Frnt. Lens Housing Outside Dia. 49.7mm	WIFI Equipped	Yes	
External Power Supply Capable Yes (via USB-C port)  Recoil Rating 300 WinMag  Nitrogen Purged Yes  Frnt. Lens Housing Outside Dia. 49.7mm	Battery Type	(2x) 18650 Protected Lithium-ion Rechargeable	
Recoil Rating 300 WinMag  Nitrogen Purged Yes  Frnt. Lens Housing Outside Dia. 49.7mm	Expected Battery Life	9+ Hours (typical operation)	
Nitrogen Purged Yes Frnt. Lens Housing Outside Dia. 49.7mm	External Power Supply Capable	Yes (via USB-C port)	
Frnt. Lens Housing Outside Dia. 49.7mm	Recoil Rating	300 WinMag	
	Nitrogen Purged	Yes	
	Frnt. Lens Housing Outside Dia.	49.7mm	
Length 7.5" (housing front to back)	Length	7.5" (housing front to back)	
Weight 22.4.2 oz. (without mount or batteries)	Weight	22.4.2 oz. (without mount or batteries)	