

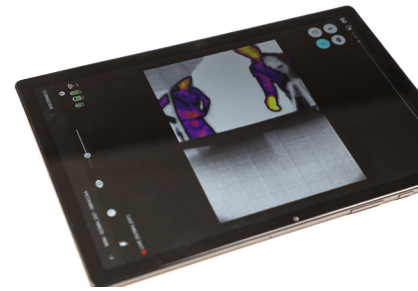
PIT VIPER 360 & 360 TW



THE WORLD'S 1ST PANORAMIC THROWABLE THERMAL CAMERA

GAIN THE UNFAIR ADVANTAGE

Throwable and rugged for military, law enforcement, and tactical elites, the Pit Viper 360 delivers real-time 360° thermal surveillance in total darkness—eliminating blind spots and keeping operators at safe distances. The Pit Viper 360 TW integrates MANET and two-way audio for secure, long-range connectivity, empowering constant command in complex environments.



PEAK PANOPTIC PRECISION

DEPLOYABLE PAYLOAD FOR UAS/UGV

Droppable, ruggedized payload for unmanned platforms; extends MANET reach and provides live video feeds.

ATAK INTEGRATION

Share live 360° video feeds across units for synchronized decision-making and enhanced mission effectiveness.

RESILIENT AGAINST INTERFERENCE

Adaptive networking ensures video continuity even in contested or congested environments.

FULL 360° THERMAL STITCHING

The Pit Viper generates stabilized thermal panoramic video with low latency and SWAP (size, weight, and power) requirements for stabilized thermal video, regardless of the camera's orientation.

PERSISTENT CONNECTIVITY IN COMPLEX ENVIRONMENTS

TrellisWare MANET keeps the camera connected in dense buildings, tunnels, and other challenging terrain—no fixed infrastructure required.

EXTENDED OPERATIONAL RANGE WITH TRELLISWARE

A minimum range of 150 meters—and mesh networking across other TW devices—extends teams' communication capabilities over greater distances.

PIT VIPER SPECIFICATIONS

	PIT VIPER 360	PIT VIPER 360 TW
PART #	20500-071	20500-77
CAMERAS & RESOLUTION	6 Thermal Imagers Panoramic: Colormapped Thermal 1024 x 512 @9FPS Single Imager: Colormapped Thermal 320 x 240 @9FPS	
FIELD OF VIEW	Panoramic - All Directions - No Blind Spots	
TRANSMISSION RANGE (WIRELESS)	35m on Ground 120m at 1m Tripod ¹	>180m on Ground >400m at 1m Tripod ²
DIRECT CONNECTION OPTIONS	Hard-Line Connections via Fiber Optic to Receiver	
DIAMETER	111mm	120mm
WEIGHT	500g	820g
ENVIRONMENTAL RATING	IP67	
STD TEMP RANGE	-5°C to 40°C (Lithium-Ion Battery Restricted)	
MINIMUM STANDARD BATTERY RUNTIME	90 Minutes	60 Minutes
EXTERNAL POWER OPTION	Yes	
BATTERY	Lithium-Ion, Rechargeable	



1 - Line of sight in a minimal signal environment. 2 - Line of sight in a minimal signal environment at 1785MHz using 10MHz bandwidth and high data compression settings.

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