



COUNTER-UAS LASER DEFENSE SYSTEM

Small drones have become a growing security concern and are often used for unauthorized surveillance, allowing adversaries to gather sensitive intelligence or monitor personnel movements without detection. Often, they can carry disruptive payloads such as explosives or jamming devices, posing direct threats to safety and operational continuity.

CROSSBOW MINI was designed to accurately and reliably detect, track, target, and defeat group 1 and group 2 drones as a complete field ready laser defense system with over 12 hours of internal battery.

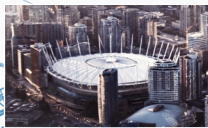
PROTECT CRITICAL ASSETS FROM DRONES



CRITICAL INFRASTRUCTURES



GOVERNMENT BUILDINGS



PUBLIC ARENAS

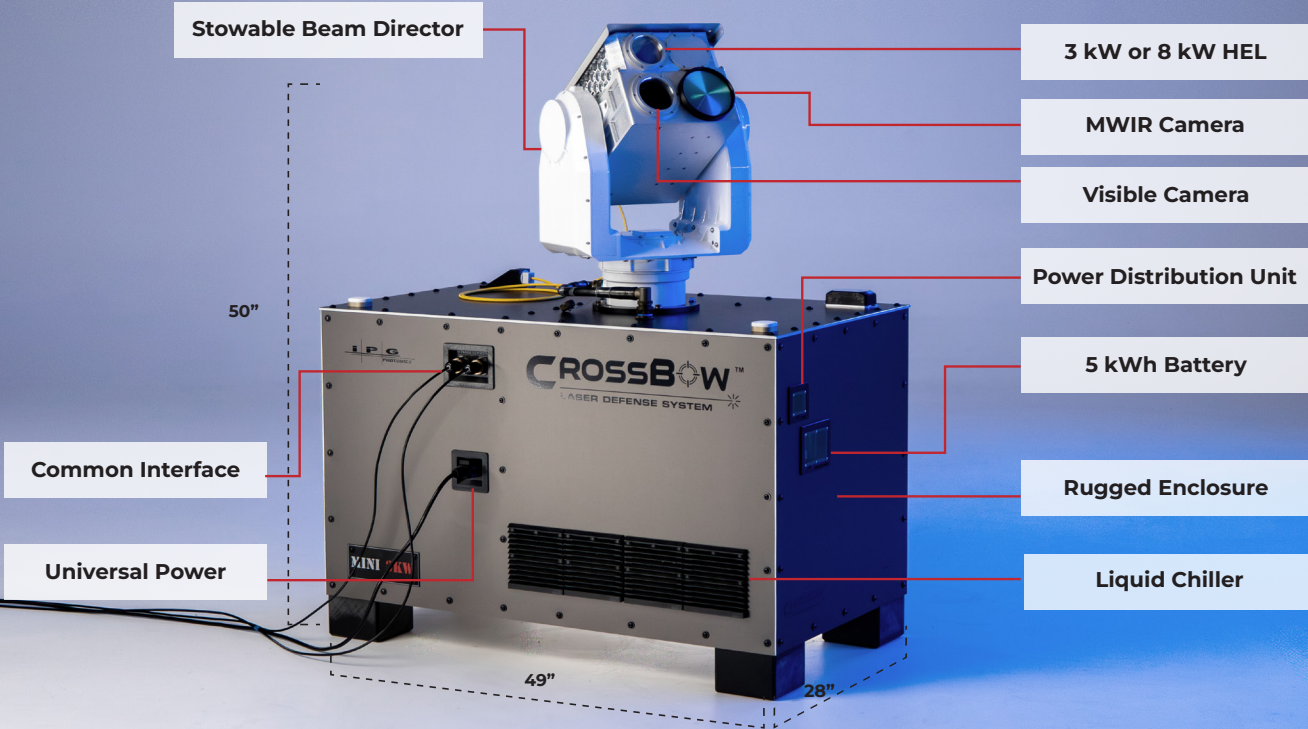


MILITARY INSTALLATIONS



PORT COMPLEXES

CROSSBOW MINI can be deployed as a standalone laser defense system or integrated into a defensive system to protect critical assets from drone incursions and swarms.



CROSSBOW MINI can be deployed as a 3 kW HEL, 8 kW HEL or 500 W Dazzler

All configurations are designed and integrated with IPG Photonics laser sources, providing the highest performance and reliability to protect and defeat Group 1 and 2 drones with unmatched precision.



LASER		PARAMETERS	
Laser Source	3 kW		8 kW
Beam Quality	<1.1		<1.1
ACQUISITION			
Thermal Camera	420 mm 10 μm HD InSb		
Visible Camera	500 mm 3 μm HD Color CMOS		
OPERATION			
Effective Range	300 – 1,300 m		300 – 2,500 m
Magazine Depth	> 35 mins		> 15 mins
Battery Capacity	5,000 Ah		
Temperature Range	-10 to 50 °C with full solar load		
PHYSICAL			
System stowed	49" L × 28" W × 28" H (124.5 x 71 x 71 cm)		
System deployed	49" L × 28" W × 50" H (124.5 x 71 x 127 cm)		
Weight	< 400 pounds		
Electrical	Single-phase 50-60 Hz, 100-240 VAC		

