

ArmorVision™ is ArmorWorks' 21st century advanced survivability solution that provides an unmatched level of next generation protection on the battlefield!

ArmorVision is a lighter weight, and more affordable direct drop-in replacement for outdated transparent armor, and a new addition to vehicle platforms that previously lacked a means for situational awareness. Leveraging the latest generation of electronic technology, ArmorVision provides the warfighter with greater protection, enhanced capabilities, and increased situational awareness, helping to reduce the overall cognitive burden on the battlefield.



SURVIVABILITY

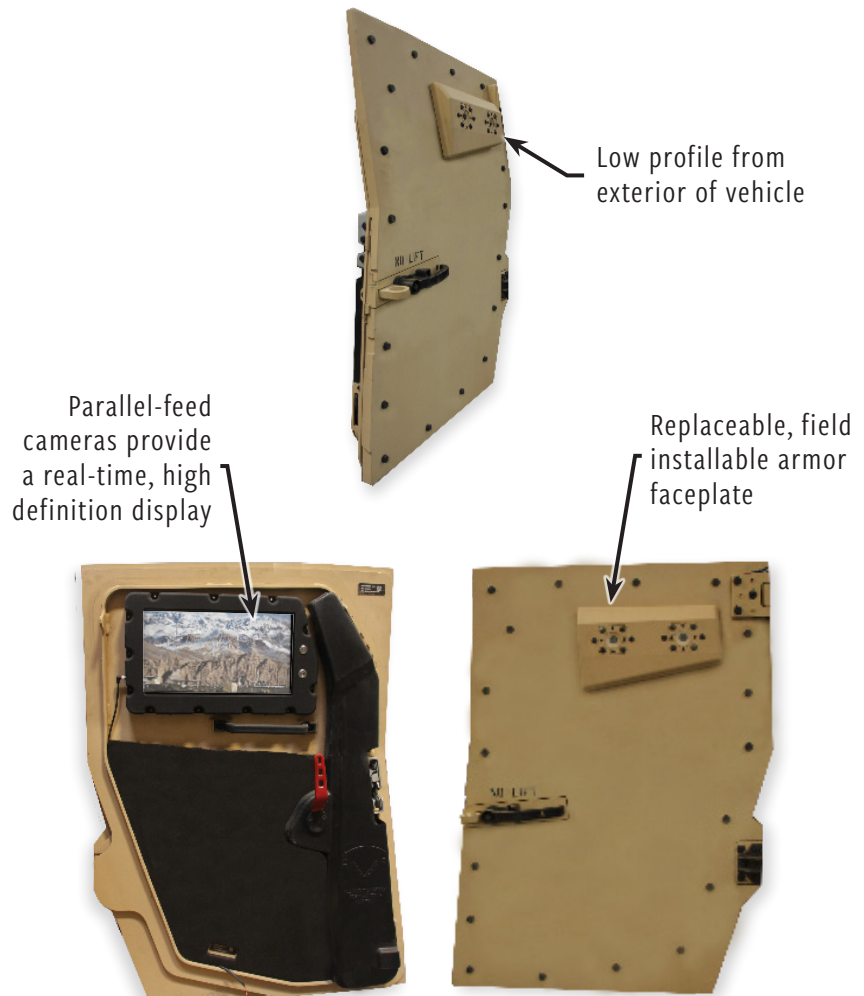
- Superior multi-hit protection.
- Scalable to withstand a wide range of threats.
- Dual camera redundancy.

SITUATIONAL AWARENESS

- Multiple field of view options (60° - 180°).
- Thermal and Infrared (IR) camera operation.
- Close to/underneath vehicle viewing.

OTHER KEY FEATURES

- Designed to meet all MIL-STD-810 environmental standards.
- Designed to withstand and contain direct ballistic impacts at camera locations.
- Simplistic, easy to use and install on any platform.
- Latency less than 35ms.
(150ms is the lowest detectable latency)



STANDARD FEATURES

- Reduced life-cycle sustainment costs.
- Ultra low profile design.
- Up to 45% lighter weight than transparent armor.
- Replaceable armor for various threat levels.
- Rugged, low-latency, high definition display.
- Dual high definition cameras with uncompressed digital output.
- One touch camera switching.
- Low power consumption.
- Rated for high and low temperatures.

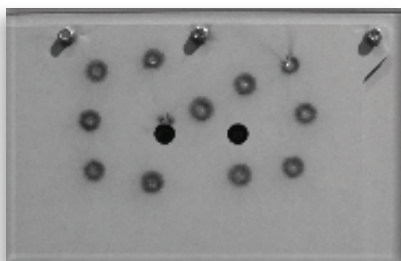
ATTRIBUTE	TRANSPARENT ARMOR	ARMORVISION
Multi-hit Ballistic Performance	Low	High
Weight HMMWV ¹	92 lbs	65 lbs (27 lbs reduction)
Weight JLTV ^{1,2}	103 lbs	60 lbs (43 lbs reduction)
Life-cycle Cost ³	\$30k	\$10k
Field of View	40° to 60°	60° to 180°
Operational Temperature	-40°F to 150°F	-10°F to 160°F (-40°F w/heaters)
Upgrades	None	<ul style="list-style-type: none"> • Black box recording • Thermal imaging/night vision • Low light capability • NVIS compatible
OPTIONAL/FUTURE UPGRADES		
Pan, tilt, zoom, and touch screen.		
External equipment operation and vehicle health monitoring.		
Advanced sensing (facial recognition, motion sensing, and shot detection).		
Emergency on-board power supply.		

¹ Weight per window location
² Actual integration of replacing unit
³ Over a 20 year period of time



TRANSPARENT ARMOR

After several direct hits the warfighter's view and protection is completely compromised.



ARMORVISION

Thanks to a real-time dual camera feed, even after several direct hits the warfighter has a clear view of the surroundings, and is able to maintain optimal situational awareness.



FIELD OF VIEW

