



# Vista™-Edge

*Smart lidar for smart security*

## SENSOR INTELLIGENCE

Vista-Edge is a plug-and-play smart sensor system combining 3D lidar scanning with edge computing. Integrating Cepton's high resolution sensors and a powerful edge computer running built-in Helius™ perception software, the system outputs real-time 3D object detection, tracking and classification data.

## ADVANCED TECHNOLOGY

With a proprietary MMT™ lidar architecture, Cepton's Vista sensors deliver industry-leading resolution in all lighting conditions for accurate object and behavior classification. The edge computer processes data locally for low-bandwidth data output.

## SEAMLESS INTEGRATION

The Vista-Edge hardware unit is front facing and free of rotation for simple integration. It supports multi-sensor fusion for seamless tracking without loss of object identity between sensors. The browser-based software enables real-time monitoring and event zone creation without installations of additional software.

## ANONYMIZED DATA

Vista-Edge's game-changing anonymized scanning allows for maximized protection of data privacy. It processes scanned data directly at its location and highlights only potential threats.

*\*All Vista-Edge units include pre-installed Helius software.*







## SPECIFICATIONS – LIDAR SENSORS

Product	Vista-P60/P90
Max Detection Range	200m at 30% reflectivity
FOV (HxV)	60° x 22° / 90° x 27°
Operating Voltage	10V-15V
Power Consumption	12W (typical)
Operating Temperature	-40°C ~ +85°C
Environmental Protection	IP67
Laser Safety	Class-1 eye safe
Time Synchronization	GPS (PPS), Ethernet (PTP 802.1AS)
Size (WxDxD)	102 x 58 x 101 mm (without connector)
Weight	0.9 kg

*\* Specifications are subject to change without notice.*

## SPECIFICATIONS – EDGE COMPUTERS

	<b>Helius Node</b> 	<b>Helius ProNode</b> 
<b>Product</b>		
<b>Number of Supported Sensors</b>	Up to 3	Up to 6
<b>CPU</b>	HMP Dual Denver 2/2 MB L2 + Quad ARM® A57/2 MB L2	Intel Core i5-8500T 2.1GHz
<b>GPU</b>	NVIDIA® Pascal™, 256 CUDA cores	Integrated Intel
<b>System Memory</b>	1 x 8GB 128-bit LPDDR4@1866 MHz onboard	2 x 8GB SO-DIMM DDR4 2666 – Wide Temp
<b>System I/O Outlet</b>	1 x HDMI 2.0 with 4K2K supported 2 x 10/100/1000 Mbps Ethernet (NVIDIA® + Intel® i210-IT) 1 x USB 2.0 4 x SMA-type antenna connector	1 x HDMI 2.0 / DVI-I / DP supported 2 x 10/100/1000 Mbps Ethernet 8 x PoE+ Ethernet 2 x USB 3.1 6 x USB 3.0
<b>Storage</b>	Onboard 32GB eMMC (via Jetson™ TX2) 1 x M.2 Key M 2280 with PCIe x4 Gen2 for NVMe SSD (optional)	1 x 64GB mSATA SSD – Wide Temp
<b>Wireless Module</b>	802.11ac WLAN, Bluetooth onboard with N Jack type antennas	Optional
<b>Power Supply</b>	12 VDC/2A	24VDC/5A
<b>Operating Temperature</b>	-30°C ~ +60°C	-40°C ~ +70°C
<b>Humidity</b>	10% to 95%, non-condensing	10% to 95%, non-condensing
<b>Certifications</b>	CE, FCC Class A	EMC: CE, FCC Class A Safety: LVD (EN60950-1) Railway: EN50155, EN50121-3-2 In-vehicle: E-Mark (E13, No. 10R-0515210)
<b>Dimensions (WxHxD)</b>	141.6 x 55 x 106 mm	242 x 77 x 173 mm
<b>Net Weight</b>	0.8 kg	3.6 kg
<b>OS Support</b>	Linux Ubuntu 16.04, 18.04	Linux Ubuntu 16.04, 18.04, Windows 10

\*Specifications are subject to change without notice. Full data sheets are available upon request.

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