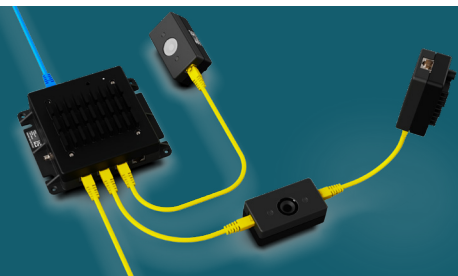


VINE CAMERA SYSTEM

DISTRIBUTED MONITORING PLATFORM



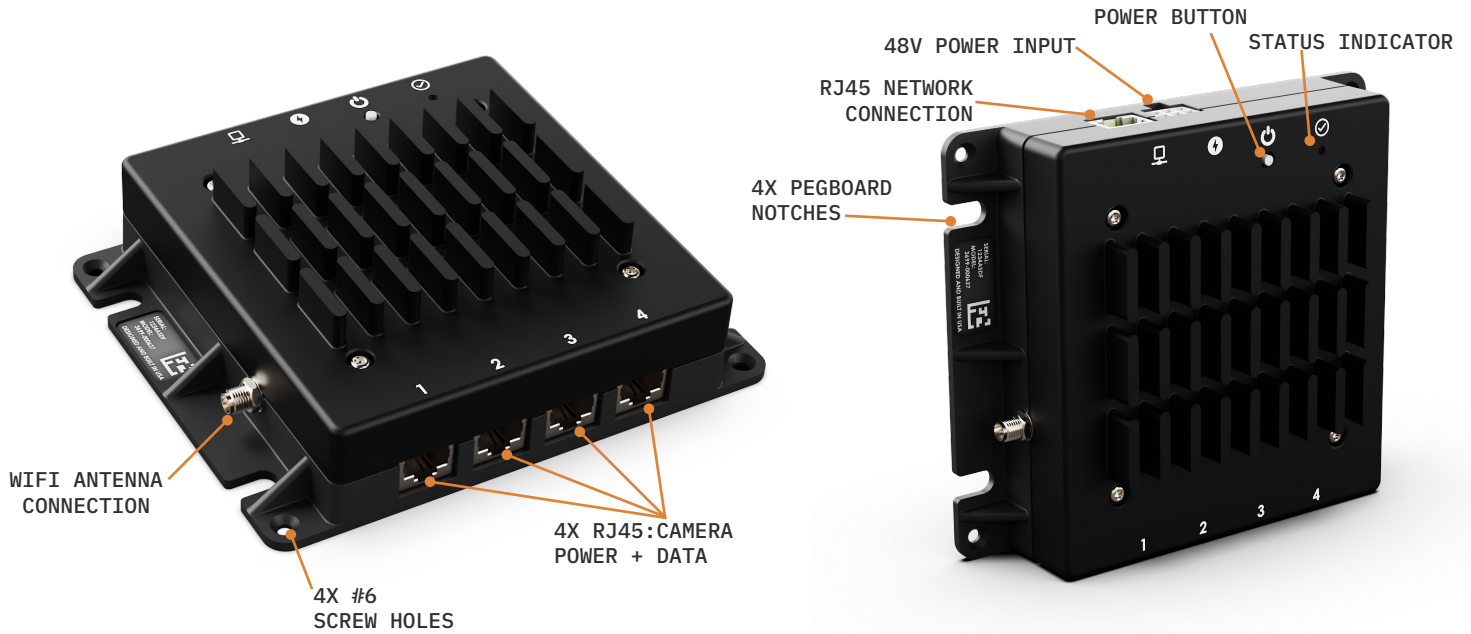
The Hellbender Vine Camera System is a distributed monitoring platform for widespread intelligent observation. It powers up to 64 12 MP cameras and processes all imagery with its Raspberry Pi CM4 and optional Hailo-8 AI accelerator. The Vine Camera System also features a native REST API for frictionless development of on edge computer vision applications.



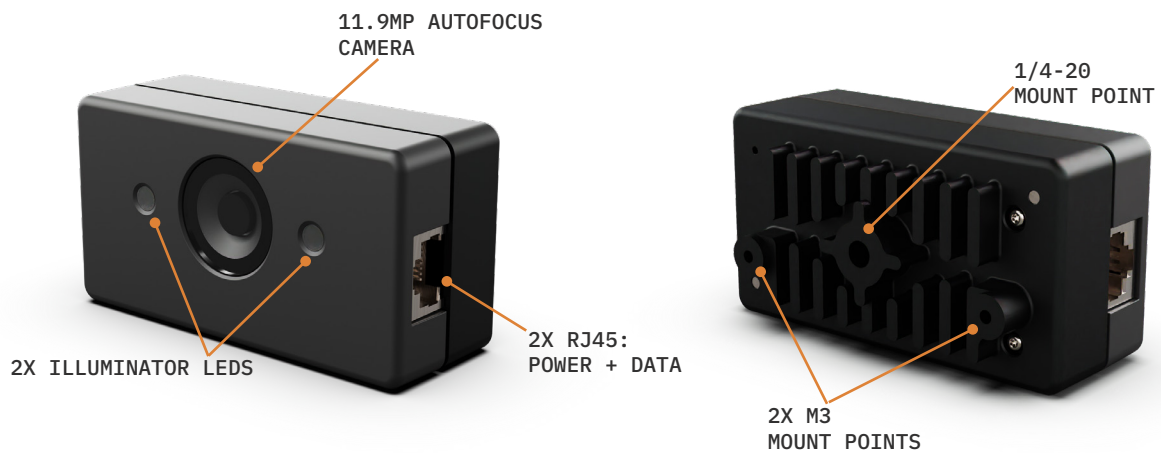
SPECIFICATIONS

	HUB	CAMERA
Dimensions	390 g 121 mm x 144 mm x 43 mm	121 g 43 mm x 81 mm x 39 mm
Power	48 V DC	48 V DC (Vine Cameras can only accept power from the Hub or other Vine Camera Units)
Compute	Raspberry Pi CM4 SOM Quad Core Cortex-A72 @ 1.5GHz 2GB RAM 32GB Storage (Alternate configurations available) Raspberry Pi RP2350 Dual Cortex M33 @ 150MHz Hailo 8 AI Accelerator (Optional)	
Wireless Network	Wireless LAN, 2.4GHz and 5.0GHz IEEE 802.11b/g/n/ac Bluetooth 5 & BLE *Wireless networking not included in current software release	
Electrical Interface	1x GBE port for network connection 4x RJ45 ports for 10BASE-T1S Ethernet to camera groups 1x Wi-Fi antenna port 1x 6-Pin Molex power connector	2x RJ45 Passthrough Power + Data (10BASE-T1S Ethernet) NOTE: This is a non standard pinout so do not connect to devices other than the hub or other Vine Cameras
Mechanical Interface	4x M4 holes in 100 mm x 100 mm VESA pattern 4x #6 screw holes 4x notches compatible with pegboard backing	1x 1/4-20 mounting point 2x M3 holes
Optical		FOV: 66°H x 41°V (102°H x 67°V FOV available) 11.9 MP autofocus rolling shutter
Sensors & Accessories	IMU Environmental sensor - T, P, RH RGB status LED Power indicator LED button	2x Illuminator LEDs
Environment	Expected operating temperature -20 to 65° C	Expected operating temperature -20 to 65° C
Software	Default Linux-based OS supported by REST API and web configuration GUI	

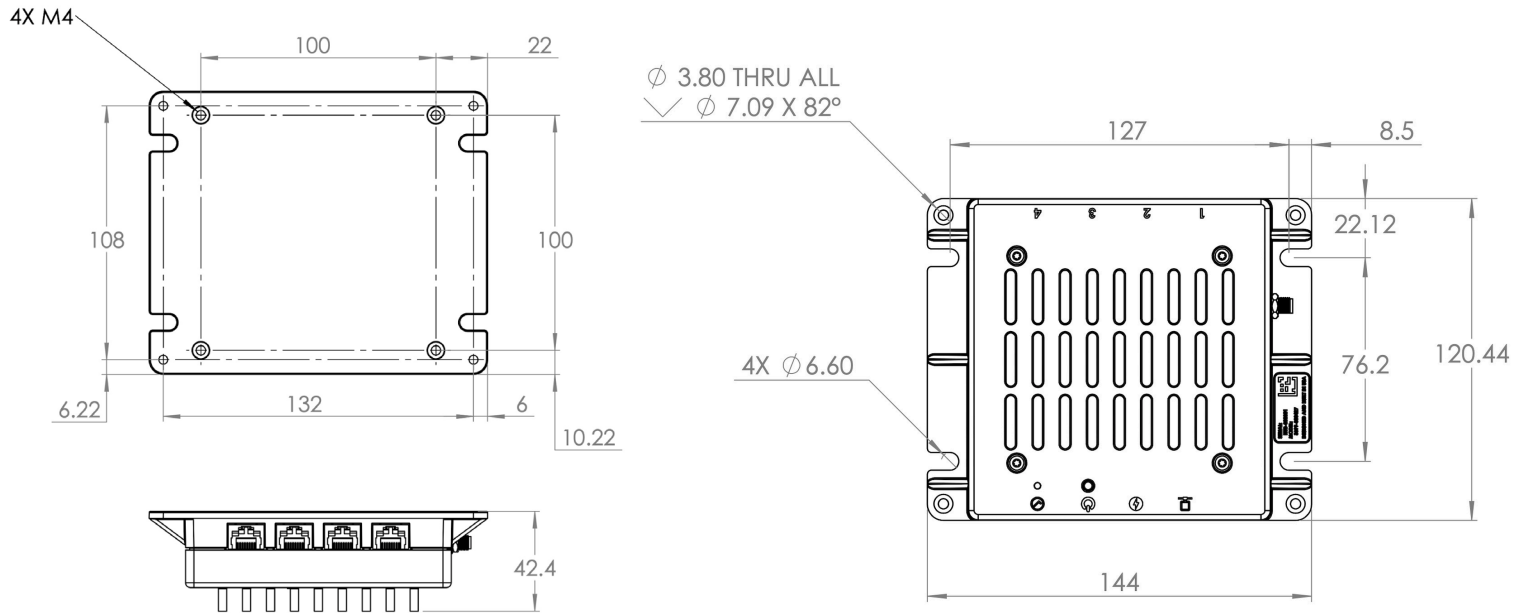
HUB FEATURES



CAMERA FEATURES



HUB DIMENSIONS



HUB DIMENSIONS

