

Basic Vision Head

Technical Data sheet

Product Information

- NVIDIA® NVIDIA Jetson Orin NX
- 12.3MP 60 fps SONY industrial grade sensor
- Supports software, including NVIDIA DeepStream, QV4L2, and VLC utility

Description

The Augment Robotics Vision Head is a smart camera platform featuring high-resolution sensors and best in class edge AI capabilities. It offers a streamlined all-in-one solution that can easily integrate within various industrial applications where vision based insight is mission critical. This smart camera module has the ability to effectively create real-time inference and event messaging or alerts at the edge of a network using the latest machine learning models and high speed network connectivity while also providing video stream data for remote analytics and cloud video data processing.



Solution Spaces



Key Features



- NVIDIA® Jetson Xavier™ NX system-on-module
- 12.3MP 60 fps SONY industrial grade sensor
- Supports software, including NVIDIA DeepStream, QV4L2, and VLC utility

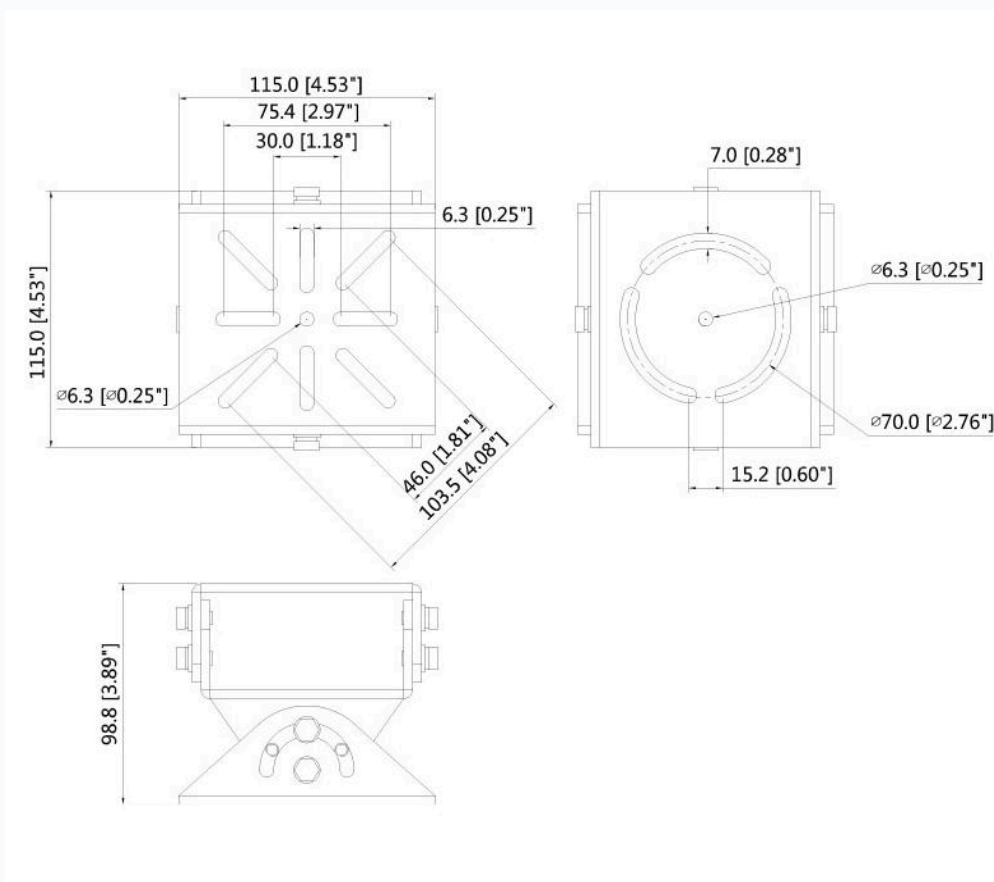
Specifications

Model	Specifications	AR-VH-001
General	Power Requirements	PoE 55W
	Operating Temperature	-10°C to +55°C
	IP Rating	IP65
Processor System	GPU/CPU	NVIDIA Jetson Orin NX
	Memory	8 GB LPDDR5
	Storage	1TB NVMe PCIe
Camera Sensor	Sensor	SONY: IMX477
	Max Image Resolution	4056 x 3040
	Max Frame Rate	60 fps, depending on the video mode
	Size, Shutter	1/2.3", Rolling Shutter, Color
Optical	Lens	PT3611614M10MP
	Focal length	16mm
	Aperture	F1.4-16
Networking	Wireless	Intel Wifi, BLE module
	Ethernet	Gbit Ethernet M12 IP67 Rated Industrial Ethernet Connector
Software Support	OS	OS Ubuntu 22.04, JetPack 6.0
	Software	NVIDIA Deepstream SDK
	Utility/SDK	VisionHead Configuration Tool

Accessories

P/N	Item
Cable	VisionHead Configuration Tool
Mounting Bracket	Wall mount
Cobot Mount	Adapter cable
PoE Injector	80W

Mechanical Drawings



Compatible accessories



Wall Mount



Cobot Mount



5G Module