

SKYPATRIOT INSIGHT

ARTIFICIAL INTELLIGENCE DRONE CLASSIFICATION



SkyPatriot InSight

Artificial Intelligence Drone Classification

- ❖ Operates Autonomously
- ❖ Easy Integration
- ❖ Provides Video Evidence
- ❖ AI-Based Drone Classification
- ❖ 98% Classification Accuracy
- ❖ Proprietary Artificial Intelligence



SkyPatriot InSight is a powerful AI-based classification module that can easily be integrated into existing CCTV infrastructure. InSight delivers real-time HD video frame-by-frame classification of drones.

InSight allows you to easily add our world-class AI to your existing camera infrastructure whether that be CCTV cameras or powerful PTZ's deployed as part of your drone detection solution.

Simply plug your camera directly in or through a network and InSight will continuously monitor the video and send alerts whenever a drone is spotted. InSight requires no human interaction and can operation 24 hours a day, 7 days a week totally autonomously.

SkyPatriot InSight is equipped with Rinicom's extensive library of optical drone signatures. These signatures are used by InSight to identify the type, make, and model of the drone and any potentially harmful payload being carried.

Datasheet

SkyPatriot InSight

Physical

Operating Temperature	-25°C to + 80°
Power	30W
Weight	1550g
Dimensions (HxWxD)	223(L) x 209(W) x 134(H)mm as a module option or 19" rack mounted option

Classification Performance

Classification Range 30° FOV	HD Video, 200m for Phantom
Classification Range 1° FOV	HD Video, 1km for Phantom
Pixels Needed for Classification	10 pixels
Classification Time	<2s
Classification Accuracy	98%, Base on False +ve
Analytics AI Engine	InSight Proprietary
UAS Classification Library	Multi-rotor
Non-UAS Classification Library	TBA

Classification I/OS

Technology	AI InSight Machine Learning
Network	Gigabit Ethernet
Camera Connector	(16x) CSI-2 Lanes
M.2 Key M	NVMe
M.2 Key E	PCIe x1+USB 2.0+UART/I2S/PCM
40-Pin Header	UART + SPI + CAN + I2C + I2S + DMIC
HD Audio Header	High-Definition Audio
eSATAp + USB3.0 Type A	SATA Through PCIe x1 Bridge
HDMI Type A	HDMI 2.0

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