

	NDAA	STANDARD
Feature	Night Vision	
	AI Object Tracking & Detection	
Application	Drone as First Responder (DFR)	
	Public Safety	
	Inspection/ Surveillance	
EO	1/2.3-type CMOS Sensor – Approx. 12.3M pixels	
	1x to 10x digital HFOV: 60° WFOV – 6° DFOV	
	Video 3840 x 2160 (4K@30fps)	
IR	POWERED BY FLIR BOSON 640	POWERED BY GST-IR THERMAL
	RADIOMETRIC640 RADIOMETRIC	COIN612 RADIOMETRIC
	Photo: 640 x 512	Photo: 640 x 512
	Video: 640 x 512 @ 60Hz	Video: 640 x 512 @ 60Hz
	Fixed Focus, 32° (HFOV) 14 mm (EFL)	Fixed Focus, 32° (HFOV) 14 mm (EFL)
	Digital Zoom: 8x Zoom	Digital Zoom: 8x Zoom
	Sensor: Uncooled VOx Microbolometer	Sensor: Uncooled VOx Microbolometer
Total Setup Weight	190 Grams	235 Grams
IP Rating	54	54
Supported Drone Platforms	Pixhawk/CubePilot/Skynode	Pixhawk/CubePilot/Skynode
Communications	UART Ethernet UDP	UART Ethernet UDP
	Streaming resolution: 1080p @60fps	Streaming resolution: 1080p @60fps
HDMI Video Stream	HDMI (HDMI cables should be kept under	HDMI (HDMI cables should be kept under
	50cm for best performance)	50cm for best performance)
Operating Temperature	-20 ~ 50°C	-20 ~ 50°C



Note: Some of these specifications and features may change before the product release



LYNX

GREMSY SMALLEST ISR PAYLOAD



LYNX

Gremsy introduces its unique, ultra-lightweight ISR payload, the smallest in its payload ecosystem. It features night vision and high resolution EO sensor with 10x zoom, an integrated FLIR Boson Plus thermal core, and a newly upgraded, high-performance mainboard solution, with total setup weights of 190g for the NDAA-compliant model and 235g for the standard version.



TYPICAL APPLICATIONS



PUBLIC
SAFETY



DRONE AS
FIRST RESPONDER

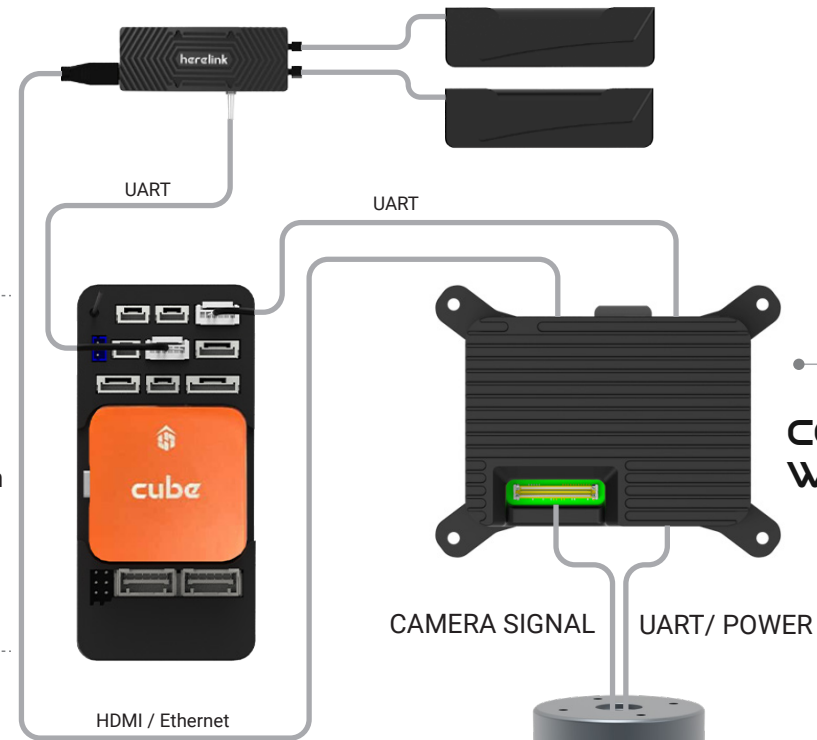


INSPECTION
SURVEILLANCE



HereLink
Remote Unit

LYNX MAINBOARD SOLUTION



CONNECTION DIAGRAM
WITH GREMSY MAINBOARD

MAINBOARD KEY FEATURES

- PIP Streaming over HDMI/Ethernet.
- Control Camera and Gimbal via MAVLink.
- AI Object Detection and Tracking.
- Equipped with built-in internal storage (memory) and external SD card support for payload data.