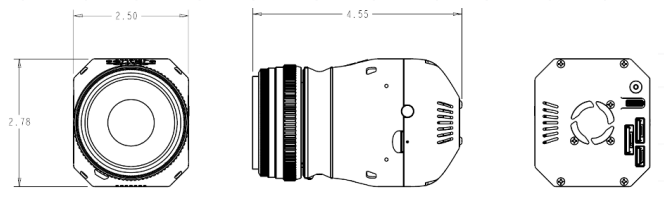




65R Sensor

Capture More in Less Time with an Ultra-High-Resolution Aerial Sensor

Maximize unmanned aerial vehicle (UAV) success while capturing the sharpest aerial imagery with a sensor built for endurance. The 65R accelerates productivity and improves efficiency with the ability to fly longer while capturing more pixels per image – resulting in more precision, accurate aerial data you can trust.



Optimize Drone Operations

Seamless integration into small drones (including RTK systems)

Key Specifications for the 65R Sensor

Image Sensor

Gpixel GMAX3265
Resolution: 9344 x 7000

Pixel Size: 3.2 um

Lens

Pentax HD FA 43mm
Focal Length: 43mm
FOV: 38.3 x 29.2

GSD @ 125ft - 0.3cm
GSD @ 400ft - 0.9cm

Shutter: Global

Size: 2.50" x 2.78" x 4.55"

Weight: 405 grams (including lens)

Power: 9-26V Input, 12W Typical

Frame Rate: 3 FPS

Image Format: JPEG

Storage: 512 GB Internal PCIe NVMe

Interfaces

- USB-C
- Gigabit Ethernet
- UART
- Digital I/O

- Input Pulse/PWM for Image Capture
- Input Pulse Per Second (PPS) for Time/Position Sync
- Output Pulse for Image Exposure Sync

Features:

- Integrated IMU
- Pushbutton Trigger Option