

# Rex

## 100 MINI MkII

2 AXES STABILIZED  
MULTISENSOR SYSTEM



### DATASHEET

SYSTEM SPECIFICATIONS	
Dimensions	Total height: 130-140 mm, Dome diameter: 100 mm, with separate electronic box
Weight	< 900g
Stabilization	2 axes mechanical + 2 axes electronic + software stabilization
Rotation limits	Pan: 360° continuous, PITCH: + 50° to - 150° (customizable)
Voltage input	9-24V
Power consumption	<20W
Slew rate	>180 °/s
IP protection	MIL-STD 810G Rainproof
EO CAMERA	
Sensor	FULL HD EO CAMERA
Type	1/3-type CMOS (Progressive Scan) + GYRO CAMERA SENSOR with EIS image stabilization system Effective number of pixels: 4,080,000
Lens (wide to tele)	10x optical zoom $f = 3.3$ to 33.0 mm F1.8 to 3.4. HFOV 59.2° to 6.7°
Resolution	1920 x 1080 pixel
Zoom	Zoom on FULL HD = Optical 10x + Digital 16x = Total 160x zoom
IR (low light operation)	Yes
Defog option	Yes
IR CAMERA	
Spectral range	Longwave infrared; 8 $\mu$ m - 14 $\mu$ m
Thermal Sensitivity (NETD)	<30 mK
Resolution	640 x 512 px
Zoom	4x digital (or more if applicable)
Frame rate	30 fps
Lens	FOV 18°H x 15°V
VIDEO FEATURES	
Video stabilization	Yes
Object tracking	Yes
Scene lock	Yes
H.264 Video codecs	Yes
H.265 Video codecs	Yes
Artificial intelligence	Yes - onboard Supercomputer (Tegra Xavier) for custom algorithms integration