



SZWL-S8

AUTHORIZED PRODUCT MATERIAL · AI FULL-COLOR NIGHT VISION

SZWL-S8

Compact AI full-color night-vision gimbal camera for DJI Mavic 3E/3T. AI-ISP processing supports crisp color imaging in extremely low light for public safety, fire response, search and rescue, patrol, inspection, and mapping missions.



AI-ISP Powered

AI Denoise/AI Defog/AI HDR



True-Color Image

0.0001Lux



Image Sensor

1/1.8"



Resolution

2K



Maximum Detecable Distance

1000m



Dimensions

94.2mm X 71.1mm X 90mm

Key Features

• World-Leading Night Vision Performance

Integrated with 1/1.8" sensor and world-leading proprietary AI ISP algorithm, *Deenthink* S8 delivers true color camera shooting under ultra-low light, nearly 0.0001 lux.

• Keep Long Endurance

As a payload, *Deenthink* S8 has an energy consumption of around 3w which still supports DJI Mavic 3E/3T max flight.

• Steady More Than Usual

Smooth and stable flight is ensured by a 3-axis tilt angle stabilization range $\leq \pm 0.005^\circ$

• Easy To Connect

Deenthink S8 could be mounted to DJI Mavic3E/3T via e-port. It is easy to connect with DJI remote through PSDK.

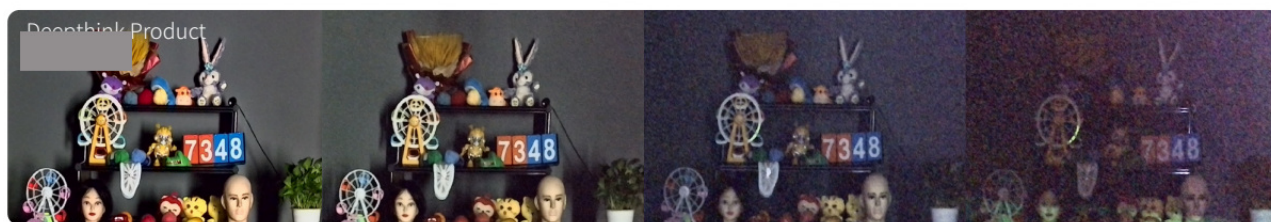
Image Comparison

0.3LUX

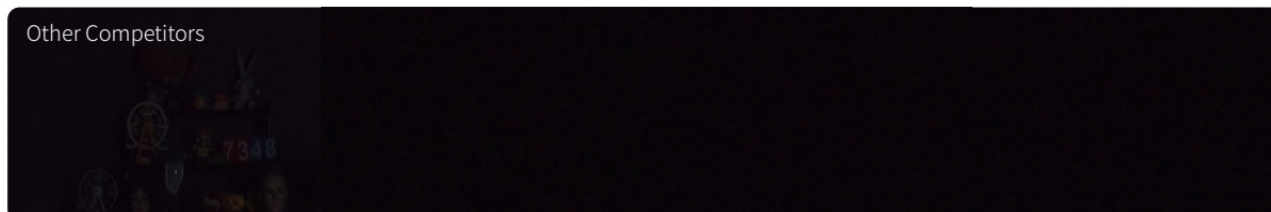
0.03LUX

0.003LUX

0.0003LUX



Other Competitors



Spec

Image Sensor	1/1.8"CMOS
True Color	0.0001 Lux
Max Resolution	4MP
Frame Rate	5fps~30fps
Wide Dynamic Range	120dB
Signal-to-Noise Rate	> 48dB
AI Denoise	Endorsed
AI HDR	Endorsed
AI Defog	Endorsed
Focal Length	$f=15.40\pm5\%$ mm, equal 74.07mm
Aperture	F1.6
FOV(D×H×V)	33.4° (D) *29° (H) *16.4° (V)
Temperature range	-20°C~60°C(-4°F~140°F)

Application

