



Born for the night

Adapts to DJI M300 & M350 RTK

SZWL-S2 PLUS

AUTHORIZED PRODUCT MATERIAL · AI FULL-COLOR NIGHT VISION

S2 Plus

AI Night Vision Drone Camera

S2 Plus, launched by Deenthink, a smart AI Night Vision UAV Camera, adapts DJI M300 & M350 RTK.

Based on the AI-powered ISP algorithm, S2 Plus can realize HD full-color night vision imaging in extremely low light environments as low as 0.005 lux, and achieve daytime-like visual effects at night. The product is equipped with 20X optical zoom lens and 80X integrated zoom, which can realize long-distance and wide-range real-time shooting.

Meanwhile, the built-in algorithm with the functions of noise reduction, anti-shake, and de-fogging, is convenient to operate and applicable to many industry scenes such as public security, water conservancy, forestry, petroleum, electric power, scientific research and so on.



AI-powered ISP algorithm,
full-color HD imaging in
low light down to 0.005 lux



4MP zoom camera,
with 80X
integrated zoom



Intelligent HDR/3A,
high imaging quality, and
2K resolution HD picture



Real-time image transmission,
real-time view of the scene
screen, abnormalities at a glance



IP44,
fearless of rain
and snow



Operating range -20°C to
60°C (-4°F~140°F), no worries
in extreme scenarios



Low wind resistance design

high-density aluminum alloy shell heat dissipation. Overcome the extreme operating environment of the drone

Night vision zoom camera

20X optical zoom,
80X integrated zoom,
4MP

1/1.8" Super Starlight CMOS,
0.005 Lux Full Color HD Imaging

Richly-defined color above 0.005 lux

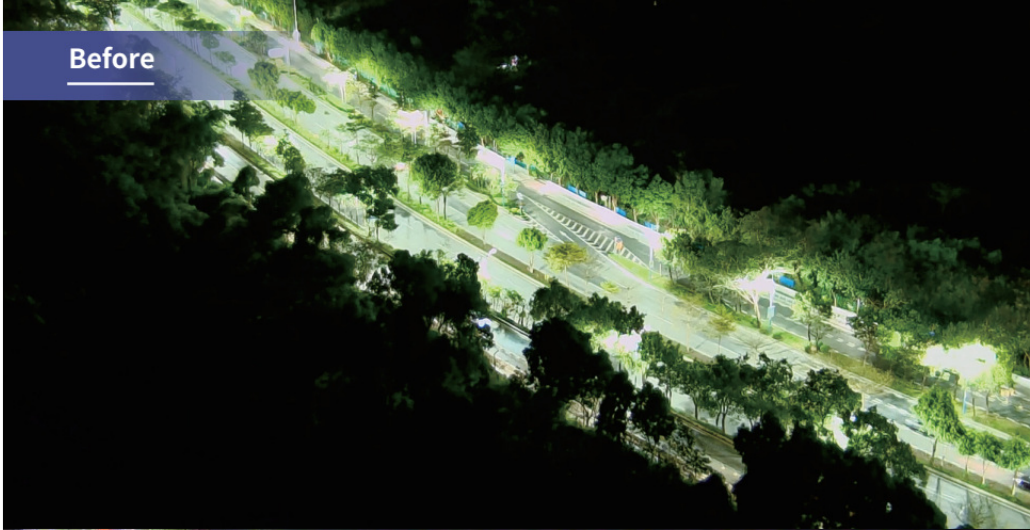
Generating images based on AI-powered ISP algorithm, this new technology enables users to see crisp, true-color images and take photos/videos in nearly complete darkness(0.005 lux). Meanwhile, S2 Plus has excellent field of view and ultra-long night visibility distance.



HDR Imaging in all conditions

In complex lighting scenes such as nighttime and city traffic, imaging is easily affected by light intensity, resulting in the loss of imaging details. The full-color zoom night vision camera has a built-in HDR function that boosts the high dynamic range to 120dB, restores true colors, and ensures that image details are not lost.

Before



After



Lift one's head above the fog

In rain, fog, snow, and other environments, light is affected by the occurrence of different degrees of attenuation, which in turn leads to blurred imaging. De-fog kinetic energy automatically analyzes each pixel in the picture, calculates the degree of attenuation of light through the obstacles, through the algorithm to compensate for the imaging, and ultimately realizes the de-fogging, presenting high-definition imaging.

Before



After



Before



After



IR-Cut founction

Due to the influence of different wavelengths of light, the final image of the color is prone to deviation from the color seen by the naked eye, especially in the night environment. The light is extremely weak and difficult to image, and color deviation is more serious. Turning on the IR-CUT function can capture invisible light sources, thus ensuring that the target is prioritized in extremely dark scenes.

S2 Plus Night Vision



Competitor



AI Night Vision UAV Camera S Series

AI Night Vision Drone Camera S2 Plus

Spec

Sensor	1/1.8" Starlight CMOS
Minimum Illumination	Full color: 0.005 Lux
Image Resolution	4MP, Full color 2688*1520P
Video Frame	5fps ~ 30fps
Video Compression	H.264
WB	Auto
Gain	Auto
No Fill-light	Support
OTA Upgrade	Support
Device Logs	Support
WDR	120 dB
SNR	>48 dB
Digital Noise	Support
AI HDR	Support
Exposure Mode	Auto

AI Night Vision UAV Camera S Series

AI Night Vision Drone Camera S2 Plus

Zoom

Focal	f=6.3~125mm, 20X optical zoom、80X max zoom Equivalent 30.2-600mm
Aperture	F 1.6 - F 4
Field of View	D:59.6° WIDE; 3.5° TELE H:35.7° WIDE; 2.0° TELE V:66.6° WIDE; 4.0° TELE
Day-night Mode	Electric IR-CUT

PTZ

Angular Jitter	$\pm 0.008^{\circ}$
Control Rotation Range	P: -120° ~ +30°, Y: $\pm 320^{\circ}$
Interface	DGC 2.0
Power	13.6 V / 2 A

AI Night Vision UAV Camera S Series

AI Night Vision Drone Camera S2 Plus

Interface

SD card

Micro SD (Max 128G)

General Spec

Circuit Power

6 W

Protection Level

IP 44

Working
Humidity

-20°C~60°C (-4°F~140°F),
Humidity<95% (Condensation-free)

Size

L 175 mm × W 126.5 mm × H 152 mm

Weight

790g ± 5