



DEEPTHINK



OTG OnTheGo Limited  
創動樂有限公司

# Born for the night

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Adapts to DJI M300 & M350 RTK

## S2 Plus

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AI Night Vision  
Drone Camera

# S2 Plus

## AI Night Vision Drone Camera

S2 Plus, launched by Deepthink, 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 0.0008LUX, 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.



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AI-powered ISP algorithm,  
full-color HD imaging in  
low light down to 0.0008Lux



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400W pixel zoom camera,  
with 80X  
integrated zoom



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Intelligent HDR/3A,  
high imaging quality, and  
1080P resolution HD picture



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



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IP44,  
fearless of rain  
and snow



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Operating range -20°C to  
60°C, 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**

30X optical zoom,  
80X integrated zoom,  
400W pixel

1/1.8" Super Starlight CMOS,  
0.0008 Lux Full Color HD Imaging

## Richly-defined color above 0.0008Lux

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(0.0008Lux). Meanwhile, S2 Pro has excellent field of view and ultra-long night visibility distance.



0.0008 Lux

1/1.8" Super Starlight CMOS

## 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

0.3 Lux



0.03 Lux



0.01 Lux

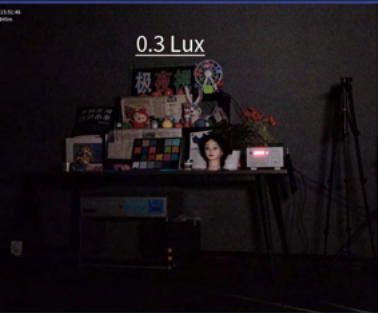


0.003 Lux



## Competitor

0.3 Lux



0.03 Lux



0.01 Lux



0.003 Lux





## AI Night Vision UAV Camera S Series

# AI Night Vision Drone Camera S2 Plus

### Spec

<b>Sensor</b>	1/1.8" Starlight CMOS
<b>Minimum Illumination</b>	Full color: 0.0008 Lux
<b>Image Resolution</b>	400M Pixel, Full color 2688*1520P
<b>Video Frame</b>	5fps ~ 30fps
<b>Video Compression</b>	H.264
<b>WB</b>	Auto
<b>Gain</b>	Auto
<b>No Fill-light</b>	Support
<b>OTA Upgrade</b>	Support
<b>Device Logs</b>	Support
<b>WDR</b>	120 dB
<b>SNR</b>	>48 dB
<b>Digital Noise</b>	Support
<b>AI HDR</b>	Support
<b>Exposure Mode</b>	Auto

## AI Night Vision UAV Camera S Series

# AI Night Vision Drone Camera S2 Plus

### Zoom

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

### Head

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

AI Night Vision UAV Camera S Series

# AI Night Vision Drone Camera S2 Plus

## Interface

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SD card	MicroSD (Max 128G)
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## General Spec

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Circuit Power	6 W
Protection Level	IP 44
Working Humidity	-20°C~+60°C, Humidity<95% (Condensation-free)
Size	L 175 mm × W 126.5 mm × H 152 mm
Weight	790g

# LET'S LIGHT UP THE WORLD

The world's most advanced AI-ISP night vision hub.

Founded in 2017, Deepthink is the world's first start-up that uses AI ISP to deliver true-color night vision hardware. Product lines consist of AI night vision cameras, uav cameras and monoculars. Global markets include the US, Australia, Japan, Korea, as well as China.

As the world's leading night vision hub, Deepthink is the only company with the ability to achieve richly-defined color even in the darkest moment, which is around 0.0001lux. It's committed to unlock night adventure to users all over the world.

Exclusive Distributor:



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