

# SVE40C2 Digital Low Light Full-Color Night Vision Binocular

## product overview

SVE40C2 full-color night vision device adopts large-target ultra-sensitive image sensor. Through AI ISP imaging engine, it can realize full-color imaging under  $1 \times 10^{-3}$  Lux illumination environment at night without infrared, laser and other illuminators. It can truly present color pictures without smear and low noise, and the imaging range is not limited by the distance of the illuminator. The imaging field is wide, and it has unique advantages in observing targets in the wild environment at night.

All-weather, all-time imaging with 940 nm fill light in extremely dark (moonless, starless) environments

## product feature

- AI algorithm support, in the image enhancement, brightness, clarity far ahead;
- Adopt "1/1.8 inch" large-target ultra-sensitive image sensor to realize 4 million pixels 2K ultra-high definition imaging;
- 720P HD screen, support 10x digital zoom, clear observation details;
- Full-color night vision imaging, night as day, remote imaging, recording reality;
- Equipped with AI ISP image engine architecture, achieve no smear, low noise, clearer full-color night vision effect;
- Low power consumption, strong endurance, continuous working time > 8 hours;
- Support white flash, constant light and other daily lighting requirements, support IR multi-gear fill light switching
- Support video, photo, and support various formats and resolution options
- Optional wireless WIFI transmission function, you can easily control the device and browse video images through APP



## technical parameters

lens parameters		
focal length	25 mm@F0.8	15 mm@F0.85
field angle	15.6°(H)×13.2°(V)	25.2(H)°×18°(V)
focusing methods	manual focusing	
Day/night mode	Built-in infrared filter	
performance parameter		
chip capability	Dual-core ARM Cortex A55@850MHz (3 DMIPS/MHz) 32KB I-Cache with built-in NPU processing engine	
image sensor	1/1.8 "Super Starlight CMOS	
minimum illumination	Color 1*10^-3lux (0.001 Lux)@F0.8, AGC ON	
screen quality	2.15 inch HD 1280*720resolution	
Video resolution	2K 2688*1520@25fps, 2K 2688*1520@12fps~25fps	
photo resolution	Max 36MP, Min 2MP	
electronic amplification	10X Digital Zoom	
video compression	H.264	
white balance	voluntarily	
gain control	voluntarily	
Wide Dynamic	120dB	
exposure mode	support automatic	
AI ISPImage Engine	AI night vision image enhancement, AI super sensitive noise reduction, AI Super HDR	
general parameters		
language	Simplified Chinese, Traditional Chinese, Português, English, Japanese, Korean, Français, Deutsch, italiano, España,pyccknn, عربي	
Charging mode Power consumption	Type-C 5V/3A, ≤2.5W	
charging protection	Support overshoot, short circuit protection, battery reverse connection protection	
duration of flight	Battery life 8H, Built-in Battery 2*2100mAh rechargeable	
Positioning/electronic compass	Reserved positioning/electronic compass data interface	
SD card interface	Built-in-256 G storage, support Type-C cable transmission	
Housing material	Metal Housing	
level of protection	Waterproof rating: IP65	
operating temperature and humidity	-20°C~60°C, humidity less than 95%(no condensation)	
Equipment size	111mm(L)*89mm(W)*49mm(T)	
weight	≤ 407g	

**SVE40C2 series**

**high-end mobile phone shooting**



**0.001 Lux Image Comparison (Moonlight)**