EDGE Smart Drive

EDGE Smart Eyes HD Transimitter

1080P 60FPS
H.265+ Super Codec

10 km+
60ms low latency

TYPE-C Output
Compatible various device

120 Mbps
Max Video Transmission Bitrate

Expanded Capabilities +

Full Protocol Compatibility
Mavlink/MSP

B O U N D L E S S V I S I O N

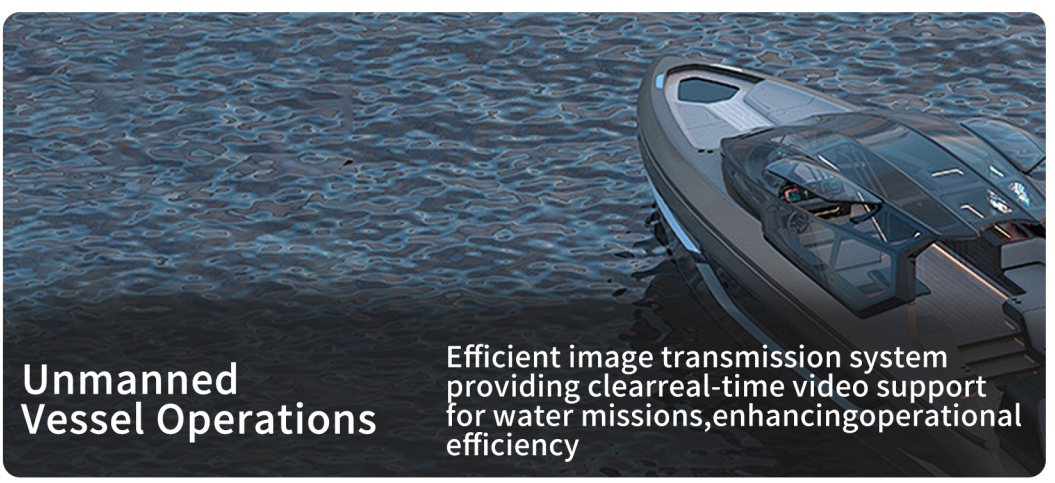
EDGE Smart Eyes (SE) Transmitter application **SE** is specifically designed for unmanned intelligent devices such as UAV drones, fixed-wing, unmanned boats, unmanned vehicles, robots, and robotic dogs. The **SE** integrates video transmission, data transmission, and remote control into a single multifunctional system. With full compatibility across various data transmission protocols, it eliminates the complexities of device networking, making it suitable for multiple of applications.

Far flying FPV

Far range FPV, ultra long transmission distance,high-definition resolution picture quality Low latency, excellent anti-interference performance, can adapt to various remote environmentsAerial drones.

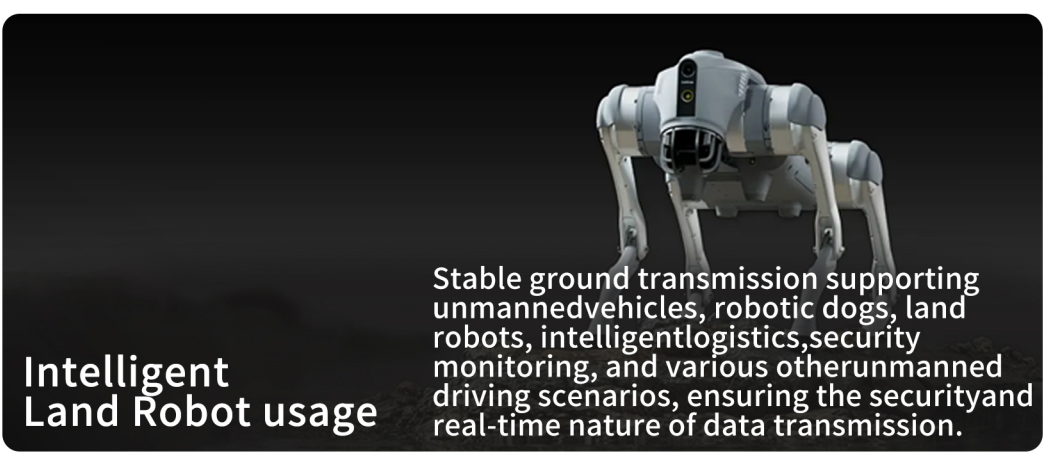
UAV application

Ensuring stability and high definition in videotransmission during flight, suitable for tourism,surveying and mapping, plant protection, logistics,reconnaissance,and environmental monitoring



Unmanned Vessel Operations

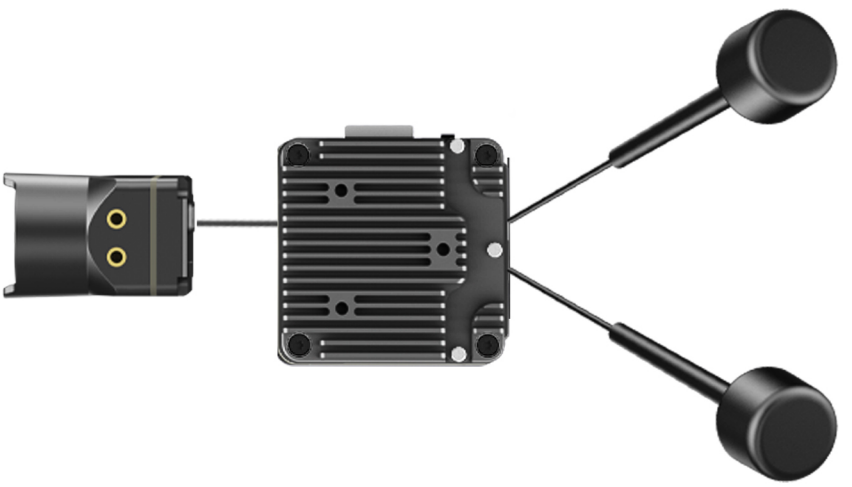
Efficient image transmission system providing clearreal-time video support for water missions,enhancingoperational efficiency



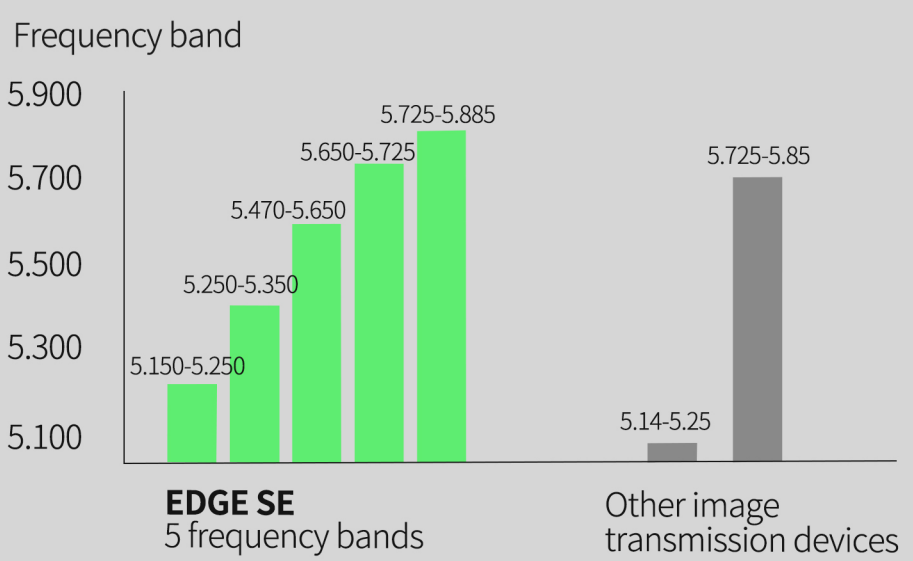
Intelligent Land Robot usage

Stable ground transmission supporting unmannedvehicles, robotic dogs, land robots, intelligentlogistics,security monitoring, and various otherunmanned driving scenarios, ensuring the securityand real-time nature of data transmission.

EDGE Smart Eyes VTX



5G full frequency band cover:

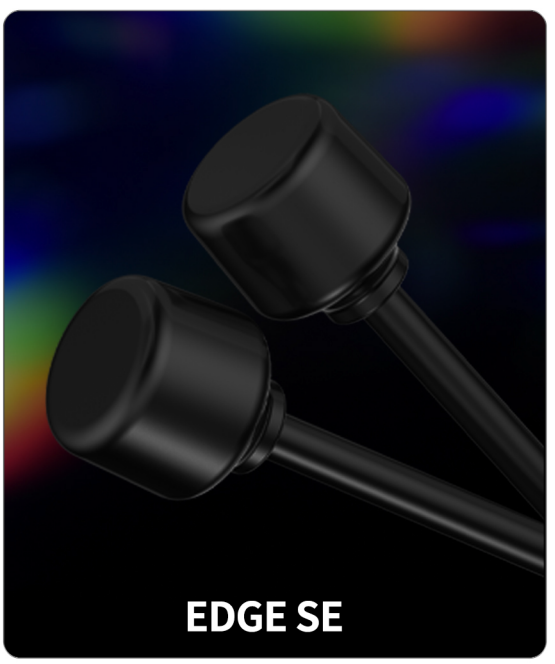


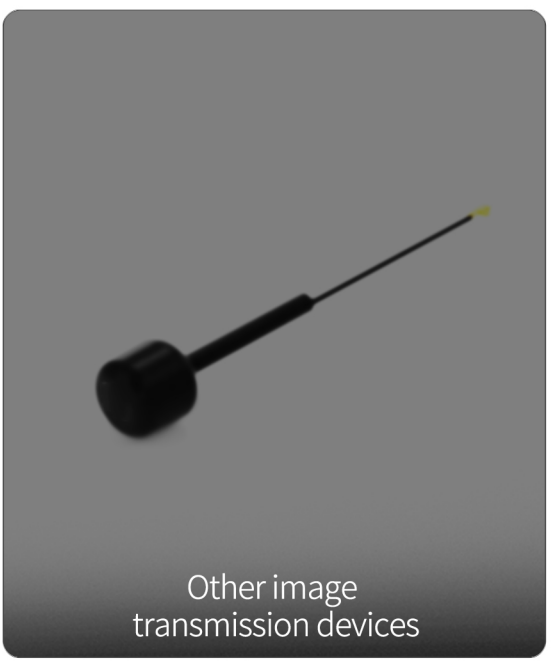
*The operating frequency bands supported in different countries/regions vary, and their corresponding usable ranges differ. Please refer to local laws and regulations for details.

Dual Antenna Design 2T2R

(Dual Transmit Dual Receive)

Supports manual frequency band selection, automatic frequency hopping, and channel interference scanning without out-of-band interference. The video transmission ensures no interference with GPS and utilizes a super H.265 encoding algorithm. While other video transmission signals may occasionally experience screen glitches and mosaic effects under full signal conditions, the **SE** achieves "0" mosaic and "0" glitches under the same operating conditions. When the signal is lost and reconnected, the SE can restore the image in milliseconds.





14dBm-32dBm
Transmission Power

15km(FCC)
Transmission Distance

5-120 Mbps
AI Adaptive Transmission Bandwidth

60ms
Transmission Latency

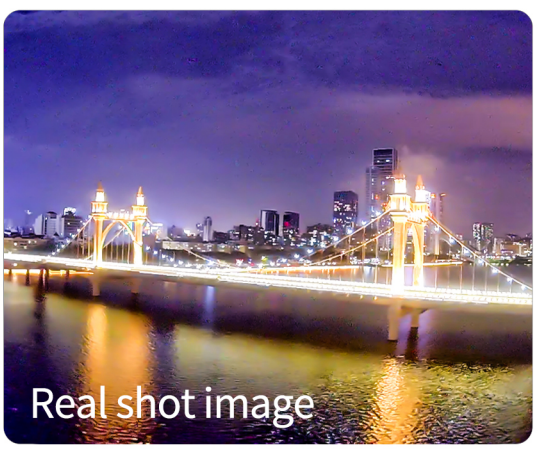
Professional Color Calibration for Outstanding Performance in All Weather Conditions

True-to-Life Color Reproduction;
Accurately Representing Real-World Scenes

EDGE SE

Other products

High Dynamic Range: Delivers Clear Colors and Details in Low-Light Conditions, with Visible Shadows and Highlights, Ideal for Complex Lighting.



EDGE SE

Other products

Compatible with External 32-256GB TF Cards (Includes a 32GB Card).
Supported Formats: FAT32, exFAT with No Single File Size Limit.
Automatically Starts Recording When Powered On and Saves Videos Automatically When Power Is Lost. Default Recording Specification is 1080p at 60fps.

Two Camera Versions Available

Standard Configuration Includes FOA 125° HD Camera, with an Optional FOA 155° HD Camera.
Supports Third-Party Cameras and is Compatible with RTSP Cameras. Combined with a Unique Super Encoding Protocol and Low-Latency Communication, it Offers Superior Performance and Results Compared to Traditional Communication Modules.
Additionally, It Supports One-Button Switching Between on board camera and External Cameras.

Open telemetry Functionality Transmission

10MS Latency

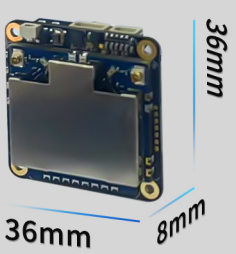
Built-in SBUS Signal Output

PWM Signal

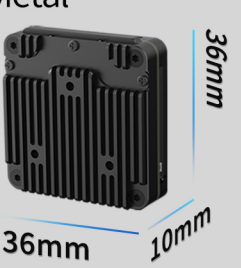
The 8-pin connector supports dual-head tracking systems.

Compact design for easy compatibility

Light version



Standard Metal Shell version



(Excluding camera)
18.8g
Lightweight version Sky End weight

+

13.2g
Shell weight

=

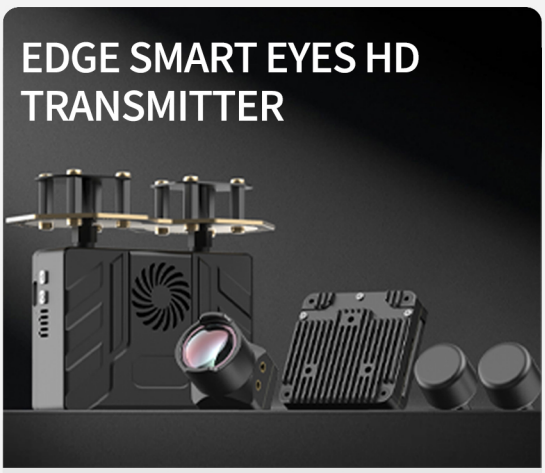
(Excluding camera)
32g
Sky end weight

≈11 g
Weight of Sky Camera

2.1 g/unit
Weight of Sky End Antenna

36x36x8
Light version

36x36x10
Standard MetalShell version



Total Power	7W
Operating Temperature	150C°
Under room temperature conditions for long time operation.	24H

*Under the condition of no heat dissipation at room temperature, our image transmission is long-termMaintain at 125-130 degrees

Telemtry support	MSP V1/V2 Mavlink V1/V2 Transparent data
Communication rate	115200/ 57600 bps self-identifying and adaptive

OTHER IMAGE TRANSMISSION

Total Power	10W
Operating Temperature	135C°
Under room temperature conditions for long time operation.	<25min
Telemtry support	MSP OSD
Communication rate	115200BPS

The actual size and weight may vary due to configuration, manufacturing process, and measurement methods There may be slight differences, please refer to the actual product.

EDGE Smart Eyes VTX

The best customizable OSD

- Comprehensive Support for Font Styles
- Customizable Icons and Font Sizes
- Adjustable Icon Positions
- Customizable Display/Hide Items
- Custom Icon Options
- Storage for 9 Custom
- Dynamic Tracking of Home Point Display
- Storage for 9 Custom Templates
- Online Firmware Upgrade Capability
- 36 OSD Display Information Options

Comprehensive Expansion Features

Supports almost all VR/AR glasses on the market.
Compatible with all HDMI input displays and TVs.
TYPE-C (single cable connection) / HDMI, standard Ethernet output interface, supports laptops and RTSP network multi-user viewing.
Supports Wi-Fi and Bluetooth communication.
Supports PWM signal output.
Data transmission serial port, supports SBUS input.

15km

Farthest image transmission distance

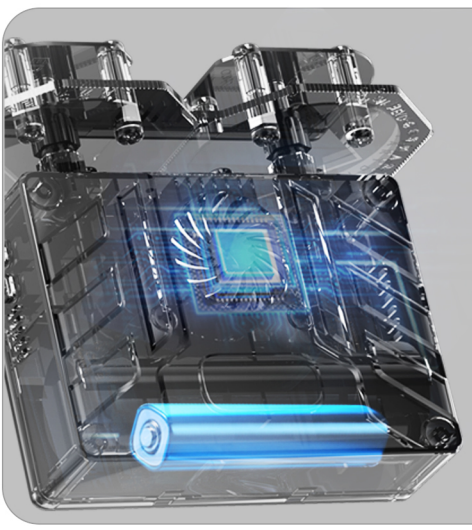
[Replacing antenna supports 35 kilometers+]

60ms

Minimum image transmission delay

*The above data is measured in an open, interference-free environment. The actual transmission bitrate may vary depending on the usage environment. The recommended rack dimensions are for reference only; please refer to the rack design structure and actual dimensions for specifics.

Built-in 5000mAh battery



Supports PD fast charging, with a maximum runtime of over 100 minutes. Features an independent TYPE-C power input, allowing for use while charging, ensuring worry-free operation.

(Supports power bank charging and can discharge to external devices.)

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