WiFiLink 2

Digital FPV Video Transmission System

The **WiFiLink 2** is a complete 5.8 GHz digital FPV video transmission system — transmitter, starlight camera module and dual antennas — built on the open **OpenIPC** platform. It delivers sharp **1080p** video at up to 90 fps with roughly **40 ms** end-to-end latency, in a compact FPV form factor with active cooling. Firmware, OSD and image tuning are open and customizable, making it well suited to UAV, robotics and OEM integration.



Key Features

- OpenIPC open-source platform — customizable firmware, OSD and tuning
- GC8613 starlight-grade CMOS, 160° wide-angle, sharp low-light 1080p
- 1080p @ 60/90 fps and 720p @ 120 fps, ~40 ms end-to-end latency
- 5.8 GHz band with dual 2 dBi I-PEX antennas for link diversity
- Aluminium heatsink + active fan for stable sustained operation
- Compact 19×19 mm FPV camera; 25.1×25.1 mm VTX mounting

Applications

Licensed UAV / drone FPV video links • robotics and ground-vehicle teleoperation • inspection and industrial camera platforms • OEM integration and system development.

Specifications

Parameter	Specification
Core platform	OpenIPC open-source platform (customizable firmware)
Image sensor	GC8613 starlight-grade CMOS
Field of view	160° wide-angle
Resolutions / frame rates	1080p @ 60 fps · 1080p @ 90 fps · 720p @ 120 fps
Input voltage	9–22 V DC (3S–5S Li-ion; officially 3S–4S)
Frequency band	5.8 GHz Wi-Fi band
Max transmit power	≤ 28 dBm (~630 mW) / ≤ 20 dBm (~100 mW)
Antennas	Dual 5 GHz, 2 dBi, I-PEX 1 connectors
Camera module	19 × 19 mm FPV size · M12 lens mount · 130 mm MIPI cable
VTX mounting	25.1 × 25.1 mm hole spacing
Cooling	Aluminium-alloy heatsink fins + active cooling fan
Interfaces	RJ45 (debug / firmware), MIPI camera, power, dual I-PEX antenna
Included cable	Power and signal cable

Ordering Information

Unit price	US$ 90 / unit (FOB; subject to confirmation on order)

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Minimum order (MOQ)	100 units
Lead time	Approx. 2 weeks
Shipping	Worldwide via DHL / FedEx, with export documentation
Contact	sales@ashwingrf.com · WhatsApp / Telegram +1 (346) 409-5578

Compliance notice. WiFiLink 2 transmits in the 5.8 GHz band. Operating a 5.8 GHz video transmitter — especially in high-power modes — may require an amateur-radio or other licence depending on the power level and country. The operator is solely responsible for operating within local radio regulations (e.g. FCC Part 15 / Part 97 in the United States, CE/ETSI in Europe). High-power modes are intended for licensed operation only.

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