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Link do produktu: https://www.nobshop.pl/betafpv-p1-air-unit-hd-vtx-p-5253.html

BetaFPV P1 Air Unit HD VTX



Cena brutto	**229,99 zł**
Cena netto	**186,98 zł**
Dostępność	**Dostępny**
Czas wysyłki	**1 - 3 dni**
Kod producenta	**01060024_1**
Kod EAN	**795986631835**
Producent	**BetaFPV**

Opis produktu

BetaFPV P1 Air Unit HD VTX

The P1 Air Unit HD VTX, part of the ArtLynk protocol ecosystem, delivers a stunning 1080p@60fps live feed with approximately 60ms latency and an impressive transmission range of over 5km. Its 1/2.9” CMOS sensor and wide 170° field of view provide an incredibly immersive and detailed perspective, making every flight intuitive and responsive. Designed for reliability in diverse conditions, the system maintains a stable, interference-resistant connection—whether weaving through dense forests or navigating complex urban environments.

Bullet Points

- ArtLynk Protocol: A low-latency, long-range communication protocol for drones, offering superior stability and range over traditional analog VTX.
- Lightweight & Affordable HD: Weighs just 6.8g, offering a compact and affordable HD VTX solution.
- Reliable Video Transmission: Delivers smooth video with ~60ms latency and over 5km range.
- Wide-Angle 1080p Clarity: 1/2.9” CMOS sensor and 170° FOV for a crisp, immersive live view.
- Plug-and-Play Compatibility: Standard 6-pin port works seamlessly with Betaflight and BETAFPV flight controllers.

Specifications

Air Unit

Weight	Air Unit (Camera excluded): Approx. 3.61g Air Unit (Camera included): Approx. 6.5g Antenna: Approx. 0.44g
Mounting Hole Size	25.5*25.5mm
Mounting Hole Diameter	ø2.5mm

Dimensions (L*W*H)	Air Unit: 30*30*5.5mm Camera: 14*14*17mm
Ports	SH 1.0 6-pin (FC) SH 1.0 4-pin (USB)

VTX

Frequency	5.1-5.9 GHz
Effective Isotropic Radiated Power (EIRP)	200mW (FCC/SRRC) <25mW (CE)
Video Transmission Range	>5km
Video Transmission Latency	Approx. 60ms
Live View Quality	1080p@60fps
Bandwidth	10MHz
Antenna	Single antenna
Channels	3

Camera

Mounting Width	14mm
Mounting Hole	M2
Image Sensor	1/2.9'' CMOS
Lens	Field of View (FOV): 170°
Video Format	MP4
Max Video Transmission Bitrate	20Mbps

OSD	Canvas mode
Firmware	
Input Voltage	5V
Operating Temperature	-10℃ to 40℃
Compatibility	
Supported FC	Betaflight FC & BETAFPV FC

Diagram

Reliable Video Transmission

The P1 Air Unit delivers reliable, clear video transmission with a max power output of 200mW and over 5km range*. With approximately 60ms low latency, enjoy stable, static-free video that lets you fly farther and explore with confidence. Standby Mode automatically adjusts power based on the distance between your goggles and the drone, keeping your live view connected even in a crash.

* Our real-world testing in open areas at 200 mW output shows a transmission range of over 5km. Actual range may vary depending on environment and interference.

Wide-Angle 1080p Clarity

Equipped with a 1/2.9” CMOS sensor and a wide 170° field of view, the camera captures vibrant, detailed footage even in varied lighting. See more of your surroundings with clarity that matches the high-definition transmission—making every flight more immersive and responsive.

Lightweight & Affordable HD

At just 6.5g (antenna excluded), the P1 Air Unit delivers a compact and budget-friendly HD video solution—so you can build your perfect HD whoop without compromise.

Wide Compatibility

Featuring a standard SH1.0 6-pin port and MSP communication protocol for OSD, the P1 Air Unit seamlessly supports

Betaflight and BETAFPV flight controllers.

Know More About ArtLynk Protocol

P1 Air Unit HD VTX is a part of the ArtLynk protocol, which is a low-latency, long-range communication protocol for drones, offering superior stability and range over traditional analog VTX. ArtLynk protocol enables real-time HD video at about 60ms latency from glass to glass, which is crucial for smooth flight control and high-quality FPV (First Person View). Here are the key features you may want to know.

- **Artosyn Inside & KAP Supported:** ArtLynk protocol uses the Artosyn's latest AR803X chipset, with core technology support provided by KAP (KAP company provides core technology support or product solution to all FPV companies and ensures compatibility for various FPV products using Artosyn chipsets).
- **Collaborative and Open Community:** ArtLynk protocol is a collaborative FPV ecosystem not belonging to ONLY one company. Many FPV enterprises and teams would design and produce their own products based on the ArtLynk protocol, ensuring broad compatibility and fostering community.

The ArtLynk protocol supports the following devices, letting you customize your own build or simply bind and fly:

- BETAFPV VR04 HD goggles, Aquila20 P1, Meteor75 Pro P1
- HGLRC Draco
- More coming soon!

Firmware Compatibility Notes:

1. *To ensure seamless compatibility with third-party ArtLynk protocol equipments (such as HGLRC Draco), please verify that your BETAFPV devices are updated to firmware version V2.0.5 or later.*
2. *The air unit needs to be updated via the ground station. First make sure the ground station and air unit are on the same firmware version, then proceed to update the air unit. And firmware V2.0.5 is not compatible with any V1 versions (V1.0.36 / V1.0.44).*

Ground Station	Air Unit	Actions Required
V1	V1	Update both to V2
V1	V2	Update ground station to V2
V2	V1	Downgrade ground station to V1, then update both to V2
V2	V2	Ready to use

Click to see how to update the firmware.

How to Connect with FC

Use the included 6-pin cable to connect the P1 Air Unit to your flight controller. Refer to the diagram below for correct pin alignment and wiring sequence.

File

- User Manual for P1 Air Unit
- Firmware for P1 Air Unit

Recommended Parts

- Quadcopter: Meteor75 Pro P1, Aquila20 HD FPV Kit
- Goggles: VR04 HD FPV Goggles

Package

- 1 * P1 Air Unit HD VTX
- 1 * 6Pin Cable
- 1 * Accessories Package (4*Shock-absorbing Balls, 2*M2-4 Screws, 4*M2-6 Screws)
- 1 * User Manual