

CADDXFPV

Ascent VRX



HD Decoding Pure Flow

Blur the line between reality and flight. With 1080p/60fps HD decoding and lightning-fast 720p/120fps, enjoy a staggering 35ms ultra-low latency. Smooth, stutter-free, and crystal clear—total control in every frame.



1080P / 60FPS

*Note: Fast Decoding requires a High Frame Rate compatible display. Unsupported devices may cause display errors. To reset to 720p/60fps, long press the Back button for 8 seconds.

*Only supports Ascent series VTX

Dual Antennas Rock-Solid Connection

Signal drops are a thing of the past. Equipped with Dual Circular Polarized Antennas ($\geq 97\%$ efficiency), the Ascent VRX delivers a stable, unwavering link can reach 6km away. Fly further, fly bolder, fly worry-free.



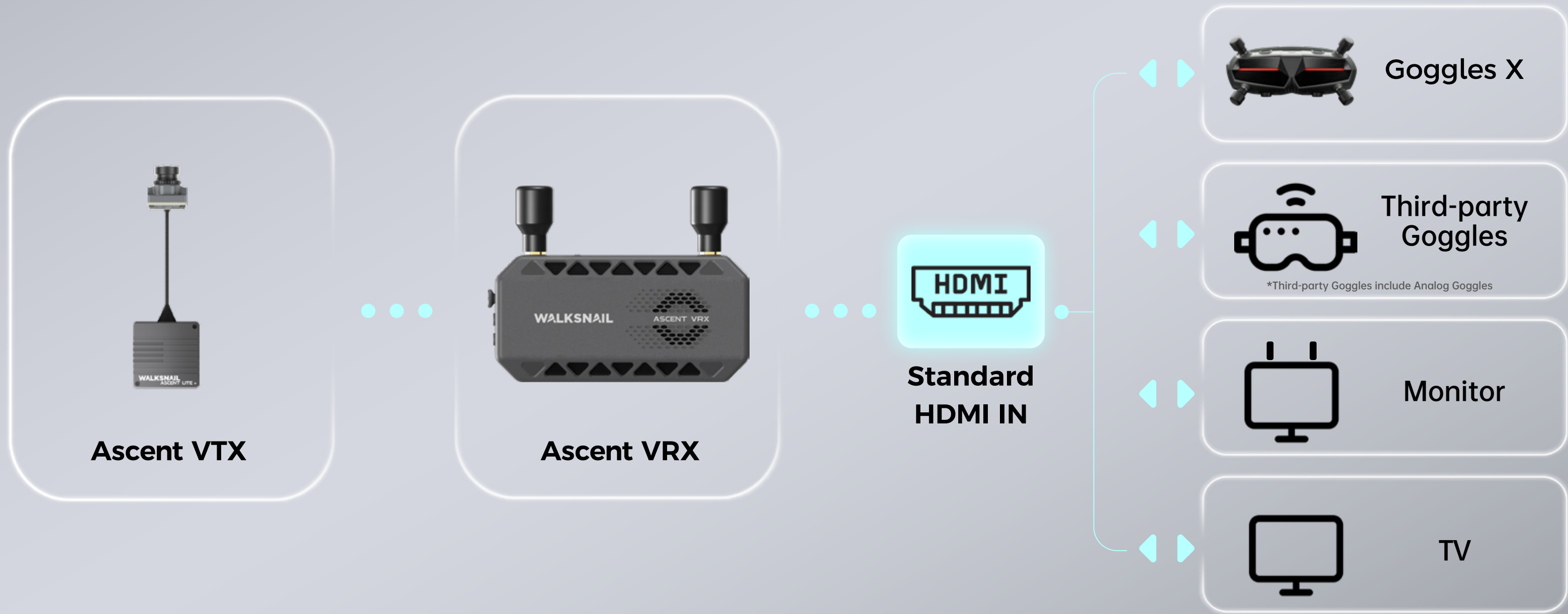
*Range and performance data are based on Caddx Lab testing under standard conditions. Actual results may vary depending on interference, environment, and device configuration.

*Only supports Ascent series VTX

Universal Compatibility

Plug and Play

Your gear, upgraded. Seamlessly connects to any FPV goggles, monitor, or TV via HDMI IN. From professional race broadcasts to backyard flight-sharing, it's instant, effortless, and ready for anything.



*Only supports Ascent series VTX

Full OSD Mastery Your World Customized

Deep integration meets total freedom. Canvas Mode brings your Betaflight/INAV OSD to life, allowing you to tune parameters via your radio in real-time.



*Only supports Ascent series VTX



Built-in Recording Relive the Rush

Capture the epic without the extra bulk. A dedicated SD slot supports up to 256GB of HD storage. Skip the external DVR—just hit record and preserve every high-speed chase in stunning detail.

*Only supports Ascent series VTX



Pocket-Sized Power Ready to Go

Pro-grade performance that fits in your palm. Weighing just 118g with a sleek, ultra-thin profile, the Ascent VRX is the ultimate travel companion for every pilot. Pack light, fly heavy.

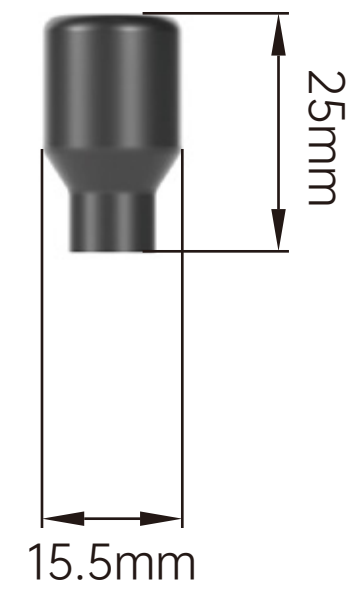
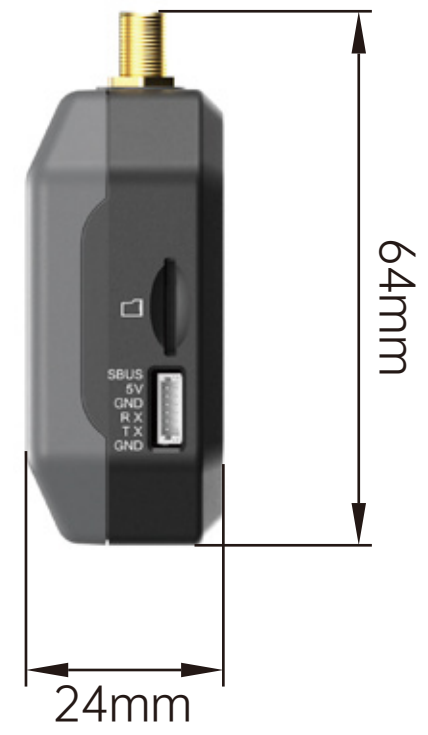
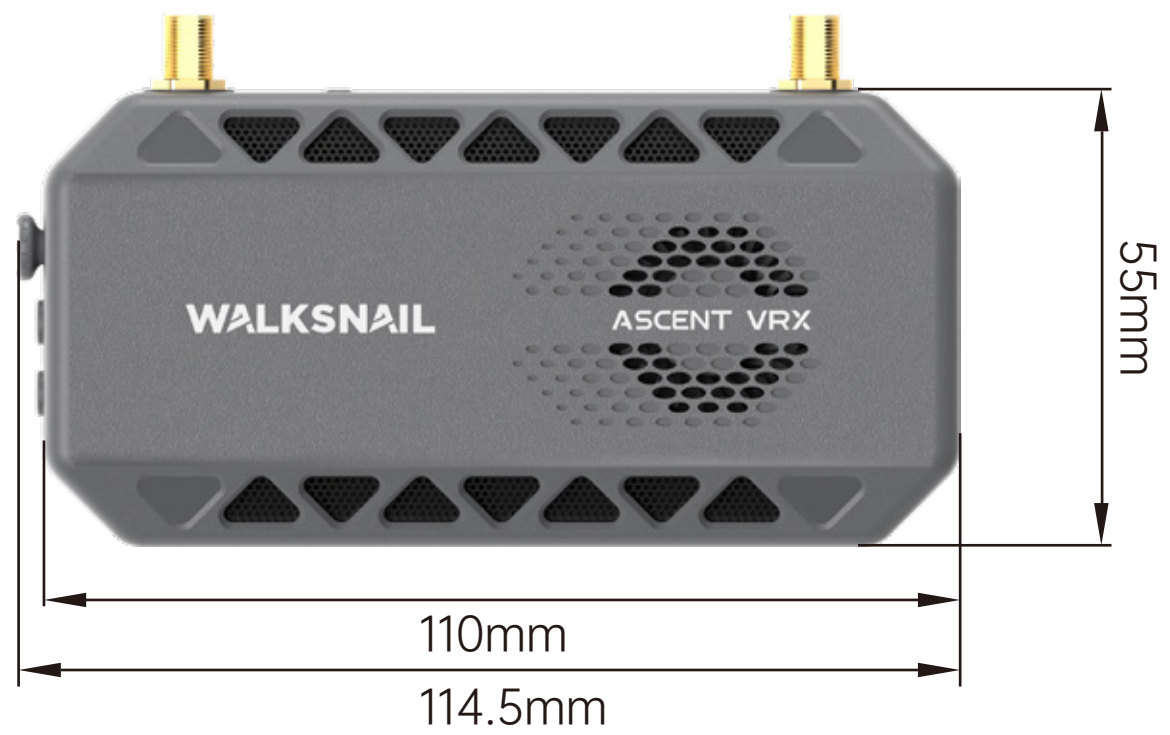
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Beyond Drones One Device Every Adventure

The ultimate FPV powerhouse for Drones, Fixed-wings, and RC cars. Whether you're racing for the podium, filming a cinematic masterpiece, or teaching the next generation, the Ascent VRX dominates every scene.



*Only supports Ascent series VTX



Specification

Ascent VRX

Model	WN02-FP018
Communication Frequency	5.725-5.829 GHz
Transmitter Power(EIRP)	FCC/SRRC:<30dBm, CE:<14dBm
I/O Interface	HDMI, Micro SD Card, DC5.5*2.1mm SH1.0*6PIN, Type-C
HDMI Out	1080p50fps, 1080p60fps, 720p50fps, 720p60fps, 720p100fps, 720p120fps
Power Input	7.4~25.2V
SD Card	Support Micro SD 256G
System	Ascent HD system
Bandwidth	5Mhz/10Mhz/20Mhz
Recording File System	exFAT
Recording Format	MP4 (H.264)
Weight	118g
Dimension	114.5*64*24mm

Red bird Antenna

Polarization	LHCP
Bandwidth	5.725-5.829 GHz
Average Gain	2dBi
Radiation Efficiency	≥97%
VSWR	≤1.3
Cross-Polar Rejection	-15to-30dB
Connector	RP - SMAx2
Dimension	25*15.5mm
Weight	4.3g