

IFO

THE WORLD'S PREMIER PLATFORM FOR DRONE LIGHT SHOWS

POWERFUL. PRECISE. PROVEN.

PEERLESS PRECISION

Experience unmatched accuracy with IFO's state-of-the-art multi-constellation GNSS navigation system. Elevate your ideas to the skies with centimeter-level precision.

LUCID LIGHTING

Illuminate the skies with IFO's advanced lighting system. Its custom-designed heat dissipation ensures consistent light quality in any setting.

SUCCESSFUL SOLUTION

IFO stands out as the top choice for commercial swarm light show drones. Globally recognized, it's the preferred turnkey solution for the world's most rigorous productions.

POWERFUL PERFORMANCE

With its superior powertrain, IFO dominates the sky as the world's fastest light show drone, enabling seamless creative transitions. Its exceptional wind resistance and precise motion control ensure consistent, reliable performance—even under challenging conditions.

PRODIGIOUS PORTFOLIO

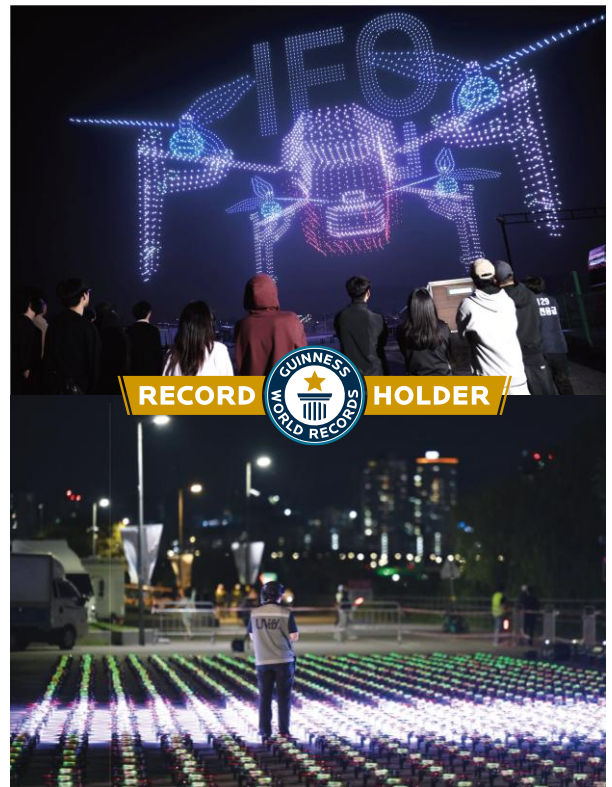
IFO shines in more AAA productions than any of its counterparts. When top-tier companies seek the best, they consistently choose IFO. In 2024, IFO broke the Guinness World Record for the most UAVs airborne simultaneously—5,293 IFO drones took flight in a breathtaking aerial display.

OUTSTANDING OPERATION

Transmit to an unlimited number of drones simultaneously with IFO's cutting-edge RF performance, a feat unmatched in the swarm light show drone industry.

PRECISELY PURPOSED

Engineered for resilience, IFO fleets thrive worldwide across diverse climates. Every night, all year round, IFO illuminates the globe with spectacular drone light shows.



UVIFY SEE. BELIEVE.

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SPECIFICATIONS

Meet IFO: The Identifiable Flying Object.

Born from UVify's ambition to redefine the sky, IFO has garnered accolades for its bespoke aerial display technologies. As we push boundaries, discerning organizations worldwide continually choose IFO for their landmark performances.



**Specifications are subject to change without notice.

AIRCRAFT	Weight (battery excluded)	603 g	
	Dimensions (without propellers)	H125mm x W275mm x L275mm	
	Max Speed	5 m/s (Ascent), 3 m/s (Descent) 10 m/s (Horizontal ¹)	
	Operating Frequency	(Primary) 2400 – 2483.5, 5150 – 5725 MHz (Secondary) 414 – 454 or 895 – 935 MHz (country specific)	
	Operational Temperature Range	-10° to 40°C (14° to 104°F)	
	Hovering Accuracy Range	Vertical ±0.1m (with RTK), ±0.5m (without RTK) Horizontal ±0.1m (with RTK) ±0.5m (without RTK)	
	Flight Time ²	15 minutes (Choreography Mode), 20 minutes (Hovering with Li-HV, no wind), 18 minutes (Hovering with Li-Po, no wind)	
	Max Wind Speed Resistance	12 m/s	
BATTERY	Capacity	4900 mAh (72.52Wh)	5800 mAh (88.16 Wh)
	Voltage	14.8 V	15.2 V
	Battery Type	Li-Po 4S	Li-HV 4S
	Weight	403 g	410 g
	Temperature Range	41° to 104° F (5° to 40°C) ³	
LIGHTING SYSTEM	LED	Three High Power RGB (active colling)	Three High Power RGBW (active cooling)
	Typical Luminous Flux (lm) of One LED with I = 700 mA	80 lm (R), 120 lm (G), 40 lm (B)	130 (R), 225 (G), 39 (B), 275 (W)
	LED diameter	8 mm (chip), 5.9 mm (lens)	8mm (chip), 5 mm (lens)
	Viewing Angle	120°	90°
	Dominant Wavelength (nm)	622.5 (R), 522.5 (G), 462.5 (B)	623 (R), 523 (G), 457 (B)
SATELLITE NAVIGATION SYSTEM	GNSS Technology	GPS (L1C/A, L2C) Beidou(B1I, B2I), Galileo(E1-B/C, E5b), GLONASS(L1OF, L2OF), QZSS (L1C/A, L2C)	GPS (L1C/A, L1PY, L2C, L2P, L5), GLONASS (L1CA, L2CA, L2P, L3 CDMA), Beidou (B1I, B1C, B2a, B2b, B2I, B3), Galileo (E1, E5a, E5b, E5 AltBoc, E6), QZSS (L1C/A, L1 C/B, L2C, L5), Navic (L5), SBAS (Egnos, WAAS, GAGAN, MSAS, SDCM (L1, L5)), On module L-band
RTK BASE	Interfaces	Ethernet TCP/IP (RJ45), USB 2.0 (Type B)	
	Power	PoE with Li-Ion battery (2900 mAh) backup as UPS	
	Operating Frequency	414 – 454 or 895 – 935 MHz	

¹ The horizontal speed limit is governed by its software, not by its thrust capacity.

² Assessed in a controlled test environment (100% charge down to 13.0 V). Actual results may vary based on conditions, usage, and firmware version.

³ Recommended for best performance. With proper handling, operation may extend beyond these limits.



IFO-P Pyrotechnic Add-on

PYRO ADD-ON	Firing System	Cobra Firing Systems 6M SPFX for UAS
	Safety Functions	Continuity check, arm/disarm
	Operating Frequency	2.4 GHz
	Number of cues	6-cues capable, 1-cue holder by default