

# ATLASNEST

AtlasPRO Docking Station

FOR AUTOMATED OPERATIONS



A L W A Y S R E A D Y



# SPECIFICATIONS

## ATLASNEST | ATLASPRO DOCKING STATION

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### PERFORMANCE

<b>Takeoff:</b>	Automated, typ. response 90sec
<b>Landing:</b>	Automated
<b>Drone Interaction:</b>	Battery replacement & Launch typ. 180sec
<b>Launch Type:</b>	Vertical Takeoff & Landing
<b>Battery Charge Time:</b>	90% in 1HR
<b>Battery Number:</b>	4X Max charging inside

### ENVIRONMENTAL

<b>Temp. Range:</b>	-40°C to +55°C [-40°F to 131°F] Thermal Management System required for extreme cases
<b>IP Rating:</b>	IP53 designed
<b>Internal Systems:</b>	Humidity/Temperature monitoring & regulation

### COMMUNICATIONS & DATA

<b>AtlasPRO C2 Methods:</b>	2.4GHz [20 Channels]
<b>AtlasPRO C2 Range:</b>	up to 8KM [5MILE] with 2.4GHz
<b>AtlasNEST C2 Methods:</b>	Local WIFI // Ethernet 100MBIT [min] // LTE Module

### MESHING CAPABILITIES

<b>Systems Equipped:</b>	All 2.4GHz systems
<b>Mesh Options:</b>	Available

### DATA SECURITY

<b>Transmitted:</b>	128/256BIT AES Encryption of all transmitted data [2.4GHz]
<b>Onboard:</b>	256BIT AES Encryption of all transmitted data [2.2GHz] 256BIT AES Encryption, custom encryption key for images/video

### DIMENSIONS

<b>Weight:</b>	<75KG [200lbs], Two-Man Carry
<b>System Dimensions:</b>	160x96x42cm [63x38x17in]
<b>Deployed Dimensions:</b>	250x110x50cm [98x43x20in]

### OPERATIONAL REQUIREMENTS

<b>Power Source:</b>	220V / 50Hz
<b>Setup Pad Dimensions:</b>	200x50cm [79x20in]
<b>Internet Connection:</b>	Required for remote access options, 100Mbit connection min.
<b>Maintenance Schedule:</b>	10K Cycles // 3 month maintenance check
<b>Additional Configurations</b>	
<b>Standalone Options</b>	Auxiliary Power Supply