





HELICOPTER APPROACH PATHINDICATOR (HAPI)

ISO 9001-2015 QMS | ISO 45001:2018 HSE

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The LED HAPI offers cutting-edge technology and is available in a variety of customizable configurations.





Visible and Infrared light

Solution Flexible Installation

Suitable for both portable and fixed setups StandardsAligned

Meets ICAO, FAA, and STANAG guidelines Versatile Power

Multiple power supply options available

Applications

Fixed or Mobile Helipads – Ideal for long-term or rapid-deployment use Hospital and Emergency Zones – Designed for critical response operations Remote Landing Sites – Reliable in isolated or hard-to-reach areas Military & Night Vision Operations – Compatible with tactical and NVG missions

Enhanced Optical Performance	The HAPI features innovative LED-based optical technology designed for optimal energy efficiency, high brightness, and a crisp green-to-red transition. It surpasses international aviation standards (ICAO / FAA / STANAG), ensuring a highly visible and reliable approach path for pilots.
Simple & Versatile Setup	Designed for both fixed and temporary installations, the HAPI is easy to deploy in any environment. Permanent setups use standard frangible mounts, while temporary use is supported by retractable legs and a lightweight, compact design. Features include a glove-friendly LED keypad, clear status indicators, and a removable, replaceable antenna for added convenience.
Flexible Power Options	 Thanks to its energy-efficient design, the HAPI system is compatible with a range of power sources, including: Solar Power Systems Generator-Based Solutions Battery Packs Standard AC Power
Multiple Control Options	Remote operation is available via optional wireless connectivity using 900 MHz or 2.4 GHz frequencies. Wired control is also supported, with 3-step and 5-step options, along with convenient local control for on-site adjustments.
Proven Reliability	With installations worldwide—from military bases to civilian airstrips, and from the Middle East to the Arctic—HAPI systems have demonstrated exceptional durability and performance in diverse environments.



LED Precision Approach Path Indicator

The LED Precision Approach Path Indicator (PAPI) is used to guide aircraft to approach the runway at an appropriate altitude. It is specially designed to accomodate the helicopter's steep angles of descent and deliberate speeds.

There are two Colors which to show two wide horizontal beams in different colored light. And it is projected in fan shaped array into the incoming flight pattern.

Solar power system is optional for PAPI.

TECHNICAL SPECIFICATIONS

Model No.	AR-HAPI-2501
Support Dimmer	Yes
Lifespan (hrs)	100000
Working Time (hrs)	100000
Product Weight (Kg)	18
Input Voltage (V)	AC220V, DC24V
Lamp Luminous Flux (Im)	100
Lamp Luminous	
Efficiency (Im/w)	100
CRI (Ra)	80
Color Temperature (CCT)	Other
Beam Angle (°)	8*
IP Rating	IP67
Emitting Color	Red/White
Lamp Body Material	Aluminum Alloy
Base Type	Other
Light Source	LED
Available Colors	Red / White
Azimuthr range (degree)	8*
Working mode	24hrs operation
Operating Voltage	AC220V, DC24V
Ambient Temperature (°C)	-35 - 80
Wind Speed	80m/s
Waterproof	IP65
Compliance	ICAO



GENERAL SPECIFICATIONS FAA AC150/5390-2C HAPI compliant Compliance ICAO Annex 14, Volume 2 HAPI compliant STANAG HAPI compliant High-powered LEDs with heat management ensure Optical consistent photometrics for life of product NVG-compatible infrared (IR) LEDs Solar kit: Solar panels and mounting, batteries and enclosures; air transportable container; AC input for backup Generator kit: Gas or diesel generator; AC input for **Power Options** backup Battery kit: Batteries & enclosures; AC input for backup AC only: 100-240 VAC 50/60 Hz; 3 and 5-step current input Ultra-low power consumption makes solar possible Non-wireless: AC input of 3 and 5-step current; local control **Control Options** Wireless: 900 MHz FHSS with encryption Wireless: 2.4 GHz DSSS with encryption Powder-coated aluminum chassis Aviation orange standard, yellow and other colors available

Construction	
	Stainless steel and anodized aluminum hardware
	Integrated digital level
	Optical glass lens
Temperature	-31 to 131 °F (-35 to 55 °C) ambient
Wind Loading	161 kph (100 mph)
Ingress	NEMA 4 & EN 60529 IP 55 (IP 66 available with marine upgrade kit)

CONFIGURATION Mounting Output Control Model Power Options: Handheld Controller, carrying Permanent Non-wireless HAPI Visible Solar Kit case, tactical battery pack, tilt switch (for Portable Visible/IR Generator Kit Wireless (900 MHz) FAA), low temperature arctic kit, marine Wireless (2.4 GHz) Battery Kit upgrade kit, custom chassis color AC



Optional Handheld Controller

3.4 GHz or 900 MHz with encrypted sig	ynal
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Ocontrol 8 groups of lights independently

DIMENSIONS



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