Helicopter Approach Path Indicator (HAPI)

General Description

Our LED HAPI (Helicopter Approach Path Indicator) systems provide pilots with a precise and reliable visual glide slope during final approach. Using distinct red and green light combinations, pilots can instantly determine whether they are above, below, or on the correct glide path.

Available in both portable and permanent configurations, our LED HAPI offers flexible options to meet ICAO, FAA, and STANAG requirements.

Configuration Options

- Portable and permanent models
- Visible and IR output
- ICAO / FAA / STANAG compliance
- Multiple power options

Applications

- Permanent and temporary helipads
- Hospital and emergency response helipads
- Remote and austere locations
- Military and NVG operations

Advanced Optics

The HAPI utilizes patented LED-based optics to deliver low power consumption, high intensity, and a sharp, precise red/green transition. It exceeds ICAO, FAA, and STANAG requirements, ensuring clear and reliable visual guidance for pilots.

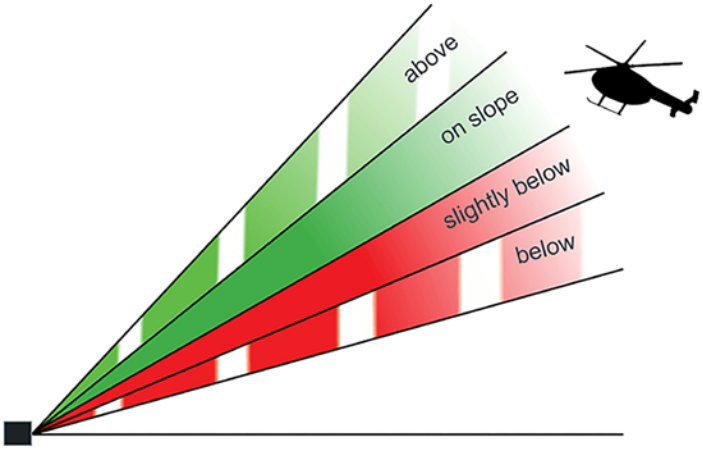
Easy Installation

Designed for both permanent and temporary deployment, the HAPI installs quickly and efficiently in any environment. Permanent installations use standard frangible mounting, while portable units feature retractable legs and a lightweight, compact design for rapid setup. An LED keypad and indicators allow for easy operation, even while wearing gloves. The antenna is removable and field-replaceable.

Power Supply Versatility

Low power consumption allows the HAPI to operate with a wide range of power solutions, including:

- Solar kit
- Generator kit
- Battery kit
- AC only



Control Options

Optional wireless control enables remote operation via 900 MHz or 2.4 GHz communication. The system also supports 3-step and 5-step wired control, along with local control at the unit.

Proven Reliability

Deployed worldwide, from military installations to civilian airfields, and from the Middle East to the Arctic, the HAPI has demonstrated exceptional durability and performance in the most demanding environments.

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HAPI

SPECIFICATIONS

Compliance	FAA AC150/5390-2C HAPI compliant
	ICAO Annex 14, Volume 2 HAPI compliant
	STANAG HAPI compliant
Optical	High-powered LEDs with heat management ensure consistent photometrics for life of product
	NVG-compatible infrared (IR) LEDs
Power Options	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 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
Control Options	Non-wireless: AC input of 3 and 5-step current; local control
	Wireless: 900 MHz FHSS with encryption
	Wireless: 2.4 GHz DSSS with encryption
Construction	Powder-coated aluminum chassis
	Aviation orange standard, yellow and other colors available
	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

Model	Mounting	Output	Power	Control
HAPI	Permanent Portable	Visible Visible/IR	Solar Kit Generator Kit Battery Kit AC	Non-wireless Wireless (900 MHz) Wireless (2.4 GHz)

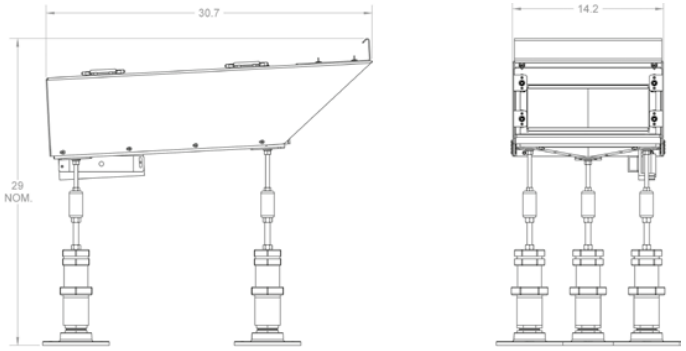
Options: Handheld Controller, carrying case, tactical battery pack, tilt switch (for FAA), low temperature arctic kit, marine upgrade kit, custom chassis color

Optional Handheld Controller

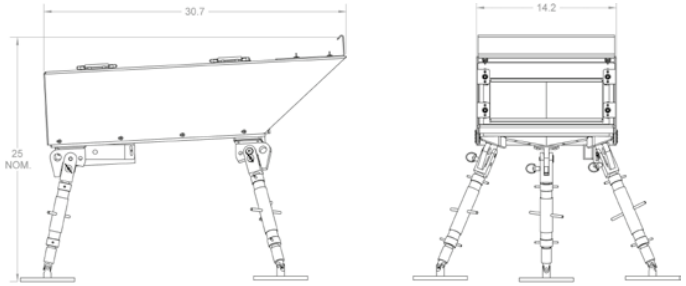
- 2.4 GHz or 900 MHz with encrypted signal
- Control 8 groups of lights independently

DIMENSIONS

Permanent



Portable



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