

## TECHNICAL DATA

<b>Laser Classification</b>	Syron PAT High Performance
<b>Camera</b>	2/5/6 MP-AI-12x Optical Zoom-3 in 1 Super WDR Pro 1/1.8" Starlight Sensor-0.001LUX Ultra Low-light - 100 fps IP 67-1K10-Smart IR IL-250 m IR Distance
<b>AI</b>	Video analytics / Bird Detection
<b>Lifespan of laser source</b>	5,000 hours
<b>Horizontal projection range</b>	360° (continuous)
<b>Vertical Projection Range</b>	50° to -30°
<b>Resistance</b>	IP66 (Suitable for indoor and outdoor use)
<b>Power Source</b>	Electricity adapter (VAC 100-277) or an independent solar system
<b>Activation Current</b>	12 VDC (maximum 4 A)
<b>Activation Temperature</b>	-15°C to +50°C (5°F to 122°F)
<b>Power Consumption</b>	100 W (at peak activation current)
<b>Safety Features</b>	LED symbol for activating the laser and switch with a key lock (Pursuant to Standard EN 60825-12014 – Emergency stop button – Activation according to a password – identification of humans, motorcars, aircraft, sector borders – WIFI – auto off/on trigger – Line lock parameter - PIR connection on demand
<b>Authorizations</b>	CE, FCC, 2014/35/EU (LVD Directive) 2014/30/EU (EMC Directive), IEC 60825 – 1.2014 (Laser Safety Directive) FDA certification
<b>Weight</b>	11 kg (24 pounds)
<b>Dimensions</b>	Length 50 cm (127") / Width 21 cm (8.3") Height 40 cm (15.8")
<b>Connectivity</b>	Wi-Fi / Wired / OSM 4/50 / Syron Remote Status
<b>Status and Remote-Control Module</b>	Wireless activated on/off switch - Application for mobile Automatic status in real time - Global reception range (Access to solar grid cover is required: OSM/20 and higher). Requires the installation of a Syron Control Module

## AIDS & FITTINGS

### Installation and Fixing Accessories

Vertical Mounting Bracket

Horizontal Mounting Frame

Adjustable Frame Extender

Power Extension Cable (5m)

Pole Top Mounting Bracket

Horizontal Mounting Bracket

### Solar Accessories

Solar Pole Kit

Solar Frame Kit

Solar power extension cable (5m)

Solar panel frame brackets

Battery for charging system (12V)

Solar panel

### Electrical Accessories

Battery Box Kit (24V)

Power Extension Cable (5m)

Remote Control (RF)

Wireless ON/OFF switch



**INTELLIGENT AUTOMATED AI POWERED  
BIRD REPELLENT SYSTEM**

# SYRON HAWK

## ELITE BIRD CONTROL

**The Syron Hawk Autonomic system is the newest generation of automated intelligent laser bird repellents. It is an effective solution to repel birds in an animal-friendly way.**

Syron Hawk covers the area that needs protection from birds continuously. Birds perceive the approaching laser as a physical danger and avoid the area. The laser bird repellent has proven to be effective over time without habituation. Our technology is used in 90 countries around the world

### SMART AI SYSTEM

Syron Hawk's integrated technologies include camera-based scanning coverage, precise AI-based bird identification, and active laser deterrence. The system's AI components are customized to fit specific industry requirements, and its capabilities are constantly updated and enhanced via a dedicated app.

### MODULAR DESIGN

With the Syron Hawk system we provide a flexible solution. The system can be adapted to any kind of environment. It can be installed on a pole, the (extended) frame, or it can be mounted to a wall. These are only a few examples of the many ways the Syron Hawk can be installed.

### REMOTE MONITORING

It is possible to view the system status via the Status & Control app by SYRON CONNECT and switch it ON/OFF remotely. A user can also receive push notifications on their phones or by email if the unit is disconnected from power. Through the advanced SYRON CONNECT tool, it is possible to track the system's operating hours using a Bluetooth connection. This allows the user to check if the laser is performing the way it should without visiting the customer's location. This way, errors are tracked down quickly from any location, reducing downtime to a minimum.

## INDUSTRY BENEFITS

The Syron Hawk system is an ideal bird deterrence solution for a wide range of industries, preventing costly damages to crops, products and valuable equipment. From farms and fish ponds to airports, factories and solar panel fields, Syron Hawk protects designated areas from unwanted visitors.

 Livestock

 Agricultural

 Industry

 Factories

 Airports

 Fish pools & Aquaculture

 Solar Farms & Roofs

## MAIN ADVANTAGES

Over 90% decrease in birds nuisance

Smart AI operated system

Fully automatic system

Successfully installed in over 90 countries

