

# LYYN HAWK PORTABLE™

The portable and easy to use LYYN® solution for real-time analog video



*LYYN Hawk Portable™ is the real-time lynnification™ solution for desktop as well as in the field applications*

### Real-time video enhancement anywhere

Use the LYYN Hawk Portable to enhance the live feed from a camera in any existing analog color video system. Or enhance a video tape brought back to office after some fieldwork. Or wherever you need to see more with video in situations with less than optimal visibility conditions, for instance subsea or outdoor surveillance video.

### Portable

LYYN Hawk Portable is designed for real portability. It has a solid aluminum casing, large control knobs and runs on 12V DC.

### Plug and play

Connect the LYYN Hawk Portable between the camera and a monitor or VCR and you are up and running. No complicated installation. No advanced configuration. No onscreen menu trees. Just plug in, turn on and see more.

### Easy to use

Large knobs for control of enhancement level and size and position of a rectangular selection of the scene. With this simple manual interface you can focus on your tasks with the best possible visibility in you video system.

#### User controls

- on/off
- lynnification:
  - level
  - window size
  - window position

### Software remote control

Besides being a manual enhancement tool it is possible to control the LYYN Hawk Portable remotely over a standard RS232 serial interface. A simple standard communications program, like "HyperTerminal" in Windows or "QuickTerm" in Mac OS X, can be used to send ASCII text-based commands. You can also write scripts and software on your own control platform for a more integrated solution.

Communication	Lynnification™	Video
D-sub connector RS232 serial protocol ASCII text-based commands	level window position window size	saturation hue brightness contrast sharpness

### Physical connectors



Connectors on the back panel. Serial RS232 interface, BNC connectors for video in and out and 12V DC.

### Video standards

PAL 625-line 25 fps or NTSC 525-line 30 fps, autosensing of format.

### Power

Nominal input voltage: 12 V DC, 0.2 A.  
External power adapter: 220 / 110 V Ac

### Operating conditions

Temperature: 0 — 50 °C (32 — 122 °F)  
Humidity: 0 — 80% RH (non-condensing)

### Dimensions and weight

Dimensions: 54x172x184 (HxWxD in mm)  
Weight: 925g, excl. power supply

### Approvals

CE

### More information

For more detailed information please visit our web site:  
[www.lyyn.com](http://www.lyyn.com)

US Patent No. 8,023,730 and equivalent patents and patent applications in other countries.



# Want to see what **we** see?

## Enhancing Visibility in Real-time!



### The technology

It is called LYYN (V.E.T) Visibility Enhancement Technology. Visibility is enhanced in **real-time** in fog, dust, lowlight, snow, smoke, subsea, etc.

LYYN works on images and video from normal color cameras, but can also be used in processing saved material.

### Imagine the possibilities.

The pictures below are just still pictures that we have enhanced. The true power of LYYN is that this can be done in **real-time** in a live video stream, digital or analogue. This could have been the feed from a surveillance camera in a video security system. Air traffic control, for instance, would have a better view of the airfield.

They might even see that a plane is going down the wrong way in the fog...

### It is not magic.

It is mathematics, based on the knowledge of how the human brain interpret information from the eyes.

### Low cost.

As LYYN can be integrated into existing systems as a "turbo charger", no expensive upgrade of complete systems is required.



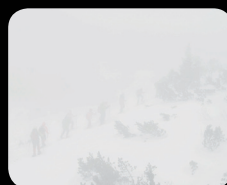
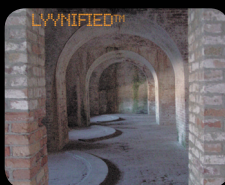
FOG & HAZE – LYYN gives you a clearer vision



DUST – LYYN gives you a clearer vision



LOW LIGHT – LYYN gives you a clearer vision



SNOW – LYYN gives you a clearer vision



SMOKE – LYYN gives you a clearer vision



SUB SEA – LYYN gives you a clearer vision



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**LYYN**<sup>®</sup>  
we give you a clearer vision