



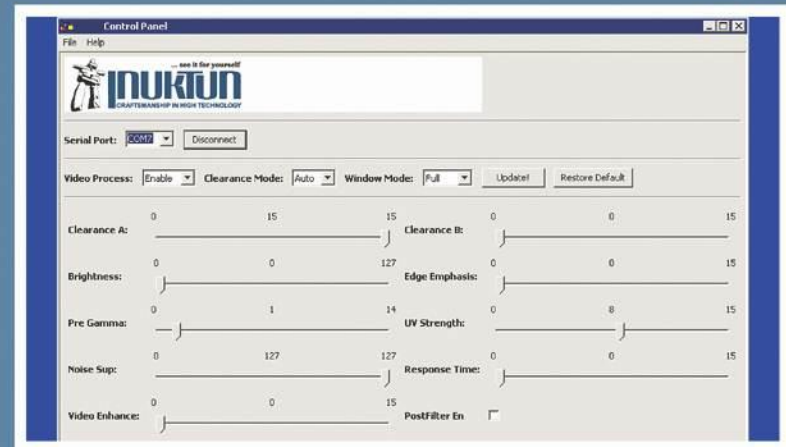
# INUKTUN

CRAFTSMANSHIP IN HIGH TECHNOLOGY

... see it for yourself

## Helios™ Real-time Video Image Enhancement System

U.S. Navy Diver (MDSU)  
Port Royal, Jamaica



# Helios™

High quality video can be difficult to capture due to adverse conditions such as low light, dust, rain, snow, fog, smoke and turbid water. Helios™, Inuktun's real-time video image enhancement system, automatically corrects these visibility issues and substantially improves image clarity, brightness and edge-emphasis. The Helios™ platform exposes new video image details that escape the naked eye.

Helios™ is a highly affordable hardware / software option that integrates with standard Inuktun controllers and cameras. This innovative solution from Inuktun is essential to the work flow of inspection professionals responsible for mission critical video. See it for yourself.

For information call 1.877.468.5886 or e-mail [sales@inuktun.com](mailto:sales@inuktun.com)

## KEY FEATURES

### Backwards Compatible

Integrates with new and existing controllers / cameras

### Owner Integration

User Guide designed for successful DIY integration

### USB 2.0 Device

Easily connects to your Windows based PC

### Optimize Multiple Video Sources

Enhance real-time video feeds or previously saved files

## APPLICATIONS

### Poor Visibility Conditions in Air and Underwater such as:

- Low Light
- Dust
- Rain
- Snow
- Fog
- Smoke
- Turbidity

## BENEFITS

Exposes hidden video image details

Produces real-time actionable results

Optimizes existing video files

Reduces need for costly third party video software

Reduces post production labour

Requires little operator training

Compatible with new or existing controllers

Designed for owner integration

## SPECIFICATIONS

### Hardware Connectors

1 x Serial port video input  
1 x Serial port video output  
1 x USB-B interface  
(for software based control)

### Supported Video Standards

Analog, PAL or NTSC

### Hardware Casing

High Density Plastic case w/ LED's and membrane buttons

### Accessories Included

5V power supply, PC software, USB cable and driver.

### Supported Operating System

Windows XP, Vista, 7 (32 or 64 bit)

## HARDWARE CONTROLS

### Clarity

Auto, On and Off

### Brightness Enhancement

Increase (+) / Decrease (-)

### Edge Emphasis

Increase (+) / Decrease (-)

### Window Mode

Apply enhancement to Full, Half or Middle of image window

## SOFTWARE CONTROLS

### Adjustment Sliders

Clearance A  
Clearance B  
Brightness  
Edge Emphasis  
Pre Gamma  
UV Strengths  
Noise Sup (Suppression)  
Response Time  
Video Enhance

### Port Selector (Connect/Discon.)

Video Process (Enable / Disable)

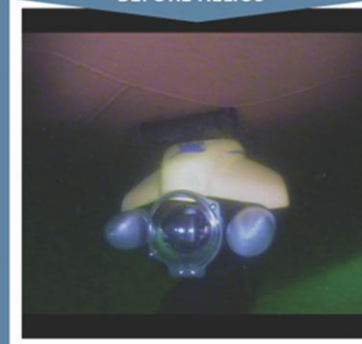
Clearance Mode (Auto / Manual)

Window Mode (Full, Half, Middle)

Update / Restore Default

Post Filter En

BEFORE HELIOS™



AFTER HELIOS™

