

# ProHawk HD-SDI

## Quick Start Guide

This document provides essential instructions and advice for the set-up and operation of the ProHawk HD-SDI real-time video enhancement device.



# ProHawk

See what you're missing...

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## HD-SDI Quick Start Guide

### Document Scope

This document provides essential information and advice for the typical set-up configurations and the basic operation of the ProHawk HD-SDI real-time video enhancement device. It is intended to be used in conjunction with the ProHawk HD-SDI User Manual PD004 which contains full information.

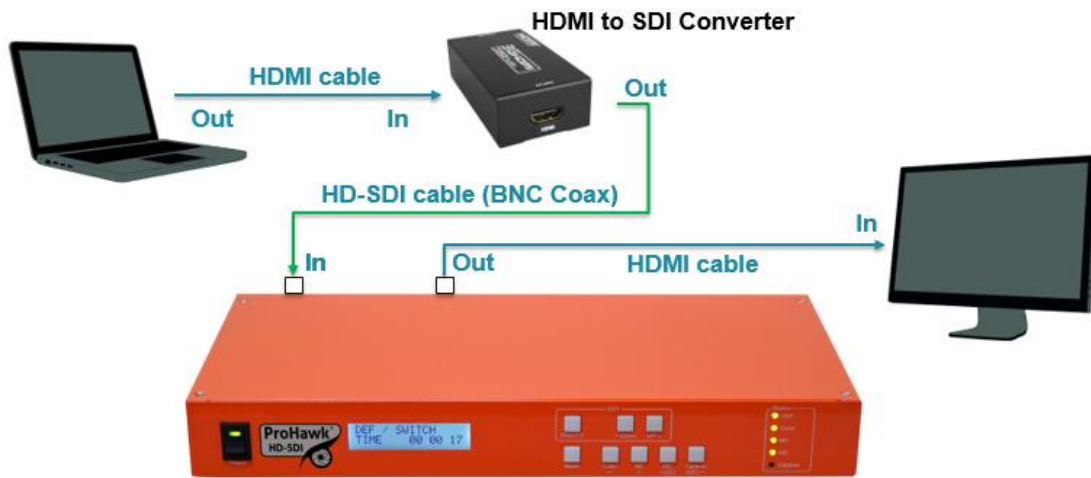


# 1. Typical Set-up Configurations for Video Screening

The ProHawk unit has an SDI BNC input connector for coaxial cable feed and is also provided with an HDMI to SDI adapter for use with Laptop, Desktop or Camera HDMI video feeds. Any other video connector type will require the user to source a suitable converter or adapter.

## 1.1. Laptop Configuration

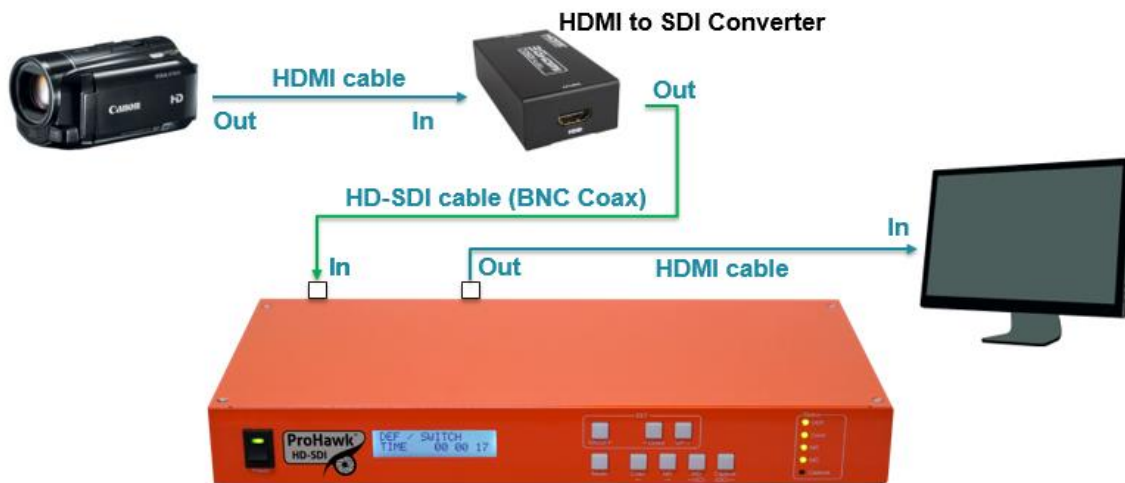
This is the most likely configuration for the using the ProHawk HD-SDI Unit.



Arrows indicate the direction of video signal

## 1.2. HD Camera Configuration

In this configuration the video feed comes directly from an HD camera.



Arrows indicate the direction of video signal

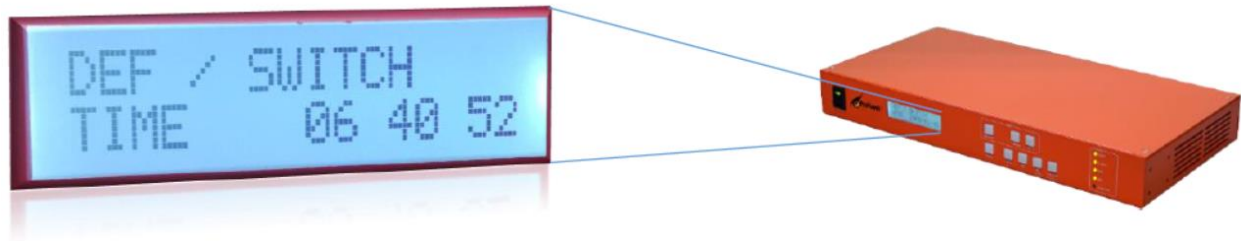
## 2. Basic Operation

### 2.1. Backlit Display

The backlit display provides some detailed information about the ProHawk HD-SDI and the current enhancement parameters.

The functions of the front panel buttons will be described below, and the corresponding parameter will typically appear in the lower right corner of the backlit display.






This is the home menu, displaying the time.

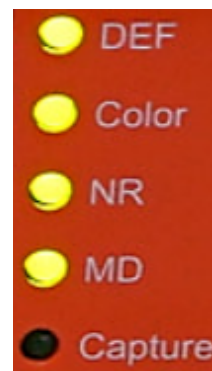


### 2.2. Status LEDs

These Status LEDs provide a more simplified view about whether a particular feature is enabled on the ProHawk HD-SDI.

If the LED is lit, then it means that feature is currently in use.

 DEF	Detail Enhancement Filter
 Color	Color Enhancement
 NR	Noise Reduction
 MD	Motion Detection
 Capture	Video Capture



Note: Do not remove your SD card from the back of the ProHawk device until the Capture Light is no longer illuminated, in order to prevent possible damage to the card.

## 2.3 External Controls

### a. DEF ON/OFF Button

The main feature to learn to use with your ProHawk HD-SDI is the DEF ON/OFF button. This instantly applies or removes the detail enhancement algorithm to the video signal being received by the unit.

- When pressed On, the device will change the LED status as well as list in the Backlit display "DEF ON/OFF ON"
- By pressing the UP or Down buttons, you can increase or decrease the intensity of the DEF algorithm by 32 out of 255.
- 8 unique enhancement intensities are available:

DEF Parameter	Intensity	Description
0	0%	No Detail Enhancement.
32	12.5%	Minimum Detail Enhancement
64	25%	
96	37.5%	
128	50%	
160	62.5%	
192	75%	
224	87.5%	
255	100%	Maximum Detail Enhancement

Note: If the DEF setting is on but turned down to 0, the LED will remain lit but no enhancement will be rendered until the intensity is turned back up.

## b. Mode Button

This control governs the following features when pressed.

First, it cycles through the "home display", Color/Contrast and Range/Motion.

Press the Color or NR button to toggle Left or Right from the Main Menu.

Press Mode at any time to go back to the home display mode.

Main Menu: (Press Capture to select an option)

- Video Edit  
*Another way to enable or disable DEF*
- Video Store (requires SD card inserted in ProHawk HD-SDI)  
*Sure? Yes/No*
- Video Restore  
*Select YES to restore the video parameter saved in the main memory*
- Video Reset  
*Select YES to reset the video parameters to their default settings*
- Network  
*Adjust network settings between Static or DHCP*
- DATETIME  
*Set the local date/time for the device.*
- Backlight  
*Turn the Backlit display on or off. (still shows info)*
- RESET (Factory Settings)
- Initialize STATUS  
*Version Information*

c. Color Button

This control governs the Color Enhancement parameter. Pressing it to turn it on will illuminate the Color LED and show on the backlit screen:

"COLOR ON/OFF      ON"

d. NR Button

This control governs the Noise Reduction parameter. Pressing it to turn it on will illuminate to the NR LED and show the following on the backlit screen:

"NR ON/OFF          ON"

e. MD Button

This control governs the Motion Detection parameter. Pressing it to turn it on will illuminate the MD LED and show the following on the backlit screen:

"MD ON/OFF          ON"

f. Capture Button

This control governs the Capture functionality of the device. It will provide an error on the backlit screen if no SD card is inserted into the back of the ProHawk HD-SDI unit.

Note: For full information please refer to the ProHawk HD-SDI User Manual PD004.