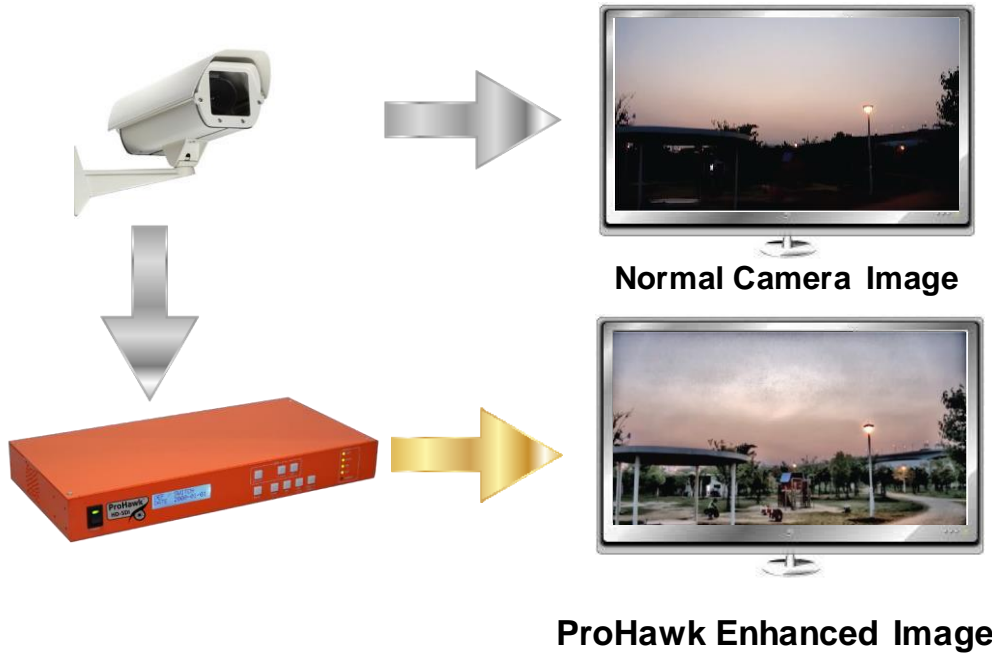




Powerful Real-Time Video Enhancement

What is ProHawk™?

ProHawk is an innovative, patented next generation real-time video enhancement technology. ProHawk utilizes powerful processors and sophisticated software algorithms to enhance video images captured under challenging conditions - in **real-time**.



ProHawk Key Benefits

- Plug and Play
- Powerful Enhancement
- Works with Existing Systems
- Real-Time
- Performance Simple to Operate
- High ROI

What can ProHawk enhance?

The ProHawk solutions enhance many types of imagery including conventional video, high definition video, infrared, thermal and even medical images.

ProHawk is effective for enhancing images impaired by:

- Low Light/Back Light/Glare
- Rain/Snow/Drizzle
- Sand Storm
- Fog/Mist/Haze/Dust
- Underwater
- Smog/Smoke

Where can ProHawk be used?

The ProHawk solutions are plug and play meaning they can be quickly and simply integrated into existing camera and imaging systems.

ProHawk has been utilized for:

- Intelligence Security & Surveillance
- Critical National Infrastructure
- Transport & Traffic Management
- Maritime & Sub-Sea



ProHawk outperforms all competition!

Three reasons to choose ProHawk:

1. We support the highest levels of high definition video resolution
HD, HD-SDI, 3G-SDI
2. Our sophisticated algorithms have widespread applications
Support for all types of environmental conditions
3. ProHawk™ solutions use very powerful hardware
Field Programmable Gate Arrays are 50 - 100 times more powerful than the CPU typically used by our competitors

ProHawk™ High Definition, HDMI/HD-SDI/3G-SDI

Input / Output	Video Signal	HD-SDI / 3G-SDI	HDMI
	Input / Output	1 input 2 outputs 1 through	1 input via HDMI to HD-SDI adaptor 1 output
	Signal format	SMPTE259M/292M/424M	HDMI 1.4 HDMI
	Connector	BNC	HDMI
	Resolution	1920x 1080 — 60p/59.94p/50p/30p/25p 1920x 1080— 60i/59.94i/50i 1280 x 720 — 60p/50p 720 x 480— 60i/59.94i 720 x 576 — 50i	1920x 1080 — 60p/59.94p/50p/30p/25p 1920x 1080— 60i/59.94i/50i 1280 x 720 — 60p/50p 720 x 480— 60i/59.94i 720 x 576 — 50i
Control	External control	RS232C RS422 Ethernet	RS232C RS422 Ethernet
	Connector Type	Dsub9p(F) Dsub9p(M) RJ-45	Dsub9p(F) Dsub9p(M) RJ-45
Panel	Push Button	DEF ON/OFF Color ON/OFF NR ON/OFF Image Capture Motion Capture ON/OFF	DEF ON/OFF Color ON/OFF NR ON/OFF Image Capture Motion Capture ON/OFF
Video Processing	Throughput	1/60sec for 1 frame on real-time	1/60sec for 1 frame on real-time
	Delay time	20[1 sec	20[1 sec
Capture	Media	SD Card SDHC (Max 32GB)	SD Card SDHC (Max 32GB)
	Record	Simultaneous frame capture of original and processed image, JPEG format	Simultaneous frame capture of original and processed image, JPEG format
Environment	Operating / Storage Temperature	Operating: 0°C to 55°C Storage: -20°C to 65°C	Operating: 0°C to 55°C Storage: -20°C to 65°C
	Operating / Storage Humidity	Operating: 10% to 80%RH, non- condensing Storage: 5% to 95%RH, non-condensing	Operating: 10% to 80%RH, non-condensing Storage: 5% to 95%RH, non-condensing
Power	Voltage / Current AC adapter	DC12V±10% 2A (24W) 1100 to 240VAC 50/60Hz DC12V 40W	DC12V±10% 2A (24W) 1100 to 240VAC 50/60Hz DC12V 40W
Specifications	Dimensions and Weight	W: 350mm x D: 175mm x H: 43.7mm, 1 U Rack Mountable, 2.2 kg	W: 350mm x D: 175mm x H: 43.7mm, 1 U Rack Mountable, 2.2 kg

Want to find out more?

To find out more about what ProHawk could do for you, please visit our website:

barnettandassoc.com or contact us at:

Phone: +1.224.325.5060

Email: prohawk@barnettandassoc.com



PH_HD_DSI_DS_1.1



ProHawk™
See what you're missing...

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