DHS™ for CoaXPress® High Speed Vision

Long Duration High Speed Digital Image Acquisition

Recording System Configurations

- Single or multiple synchronized Coaxpress cameras
- Standalone ruggedized portable system 8TB capacity
- 4U rack mounted server system up to 28TB capacity
- Distributed multiple unit large area recording managed over a fiber optics network with centralized single screen administration.
- CXP12 (12.5Gbps) or CXP6 (6.25 Gbps)
- Long cables over 35m 12.5 Gps and 60m 6.25 Gps
- Real Time image processing

System Specifications

Software	Windows 7/10, Linux	
Format	CoaXpress	
Acquisition	Bank A	2.2 Gpix/s
	Banks AB	4.4 Gpix/s
	Banks ABCD	8.85 Gpix/s
Export	RAW, mpg, mp4, AVI, Image sequence	
Timecode	Native or IRIG-B	
Auto Exposure	Gradual adjustment to predefined setting and image zoning	
	<5ms latency to predefined setting	
Imaging	Dynamic access to all sensor registers during image acquisition.	
Trigger Modes	Pre, mid and post trigger	
External Trigger	TTL	
Peripheral	8 channels of analog or digital data	
ROI	Available	
Remote control and/or monitoring	TCP, UDP	
Scripting	Yes	
Image Stitching	Yes, where applicable	

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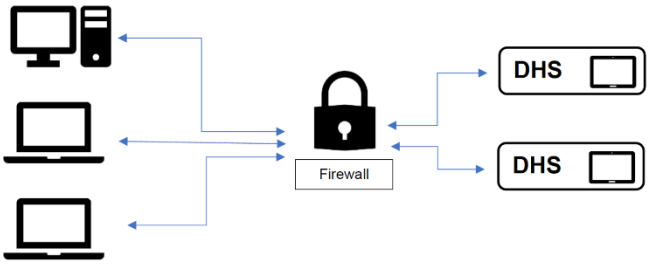
DHS Remote Control

DHS can be controlled remotely over TCP/IP with proprietary ASCII text protocol. Each command receives a response message to report status of message execution.

DHS can also broadcast a status message over the network as a UDP/IP packet. This is useful for attached hardware identification and real-time asynchronous status.



Video Streaming

DHS can stream entire frames at a configured size and frequency on a dedicated TCP/IP socket. Images can be configured in RAW CINE format, MPG,MP4,AVI, Raster RGB or G, and JPEG,TIFF or PNG image sequence.

Security

DHS relies on security over firewall, additional security options are:

1) **Table of IP addresses** with individually authorized command sets, i.e. recording and data management or limited to previsualization and status.

2) **AES-256** encryption.

Challenge us with your requirements™

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