

# DHS™

## LONG DURATION HIGH SPEED DIGITAL IMAGE ACQUISITION



### Recording System Configurations:

Standalone ruggedized portable system 4TB capacity  
4U rack mounted server system 6TB capacity  
Distributed multiple unit large area recording managed  
over a fiber network with centralized single screen administration

### Image Capture Capacity : Sustained acquisition data rate 4.2 GB/s

Resolution	Max Frame Rate [Hz]	MB/s	Duration 6TB [min]	Duration/TB
4080 x 3072	187	2344	43	7.11 [min]
1696 x 1704	543	1569	64	10.62
1280 x 1024	1164	1525	66	10.92
1280 x 720	1652	1522	66	10.95
640 x 480	4397	1350	74	12.34
320 x 320	10630	1089		

### Camera Specification:

Image Sensor:	Global Shutter -CMOS
Exposure:	Time 2 $\mu$ s
Active Area	13.57 x 13.68 mm <sup>2</sup>
Pixel Size:	8 $\mu$ s square
A/D Converter:	8bit
SNR(E<VA 1288):	42dB
Dynamic Range:	49dB
Sensitivity:	3.8 V/lux.s (w/microlens)
Trigger Modes:	Start, Center, End, internal free - run
External Trigger:	TTL- 5V, 10mA, optically isolated
Software Trigger:	Programmable
Lens Mount:	F - mount, C - mount, M42 - mount, Custom
Power over CoaXpress:	24VDC/12W
Environmental:	0°C...+40°C ambient
Humidity:	<80% relative, non - condensed
Conformity:	CE, RoHS, DeniCam, UL
Dimensions:	85 x 85x 65 mm <sup>3</sup> Weight: 500g