

HySpex Baldur

Designed to be fast, flexible, robust and repeatable, HySpex offers the Baldur line of industrial cameras.

All Baldur cameras are Nyquist cameras giving a spectral resolution of 2 spectral bands while capturing 4 times as much light as the classic systems. To ensure that the most information per framerate is provided, the spectral resolution is kept very close to 2 bands. Additionally, the spatial resolution better than 1.7 pixels for all Baldur cameras, yielding very sharp cameras.



	V-1024 N	S-640i N	S-384 N
Spectral Range [nm]	400-800/430-820/485-960/400-1000	950-1730	960-1920/1100-2200/1250-2500
Spectral bands	72/72/88	232	178/204/231
Max speed*	1000/1000/800	500	650/564/500 fps
Spectral sampling [nm]	5.5	3.36	5.45
Spectral FWHM	<2 bands	<2 bands	<2 bands
Spatial FWHM	< 1.7 pixels	<1.5 pixels	< 1.3 pixels
Spatial pixels	1024	640	384
Keystone	<15% of a pixel	<20% of a pixel	<15% of a pixel
Smile	<15% of band	<20% of band	<15% of band
FOV	16° / 40°	16° / 40°	16° / 40°
Bit resolution	12	12	16
Noise floor [e-]	11	HG:8.5/MG:32/LG:270	150
Peak SNR	>286	HG:150/MG:275/LG:800	7500
Dynamic range	2560	HG:2650/MG:2360/LG:2360	2560
ROI*	8 independent ROIs	All bands can be selected/deselected individually	All bands can be selected/deselected individually
External trigger options		LVDS, 5V/12V/24V TTL	LVDS, 5V/12V/24V TTL
Dimensions (l-w-h) [mm]	316 - 105 - 153	364 - 105 - 153	368 - 131 - 175
Camera Interface	CameraLink	GigE	CameraLink

* Reducing the number of spectral channels with ROI will proportionally increase the max framerate