

H-SERIES HIGHSPEED CAMERA



H-204

2048 x 1024 up to 4,000 fps

H-207

2048 x 1024 up to 6,600 fps

HIGH RESOLUTION and HIGH SPEED

Packed with advanced features, the H-2xx series pushes the performance of highspeed camera sensor resolution of 2048 x 1024 to new height; a recording speed of 6,600 fps at sensor resolution.

Specifications

Model:	H-204	H-207
Max. Resolution	2048 x 1024	
Max. Resolution Speed	4,000 fps	6,600 fps
Max. Recording Speed	25,000 fps	50,000 fps
Sensor Pixel Size	9μm	
Min. Exposure Time	1μs	
Dynamic Range	64dB	
Bit Depth	8 bit	
Sensitivity	ISO 10000 (Monochrome) ISO 3000 (Color)	
Analog Gain	2x 4x 8x	
Standard Memory	40GB / 80GB / 160GB	
Extended Memory	4TB / 12TB / 24TB	
Data Interface	10GigE , Adaptive Gigabit Ethernet	
Video Signal Output	Ethernet / SDI	
Trigger Mode	Software / IO / Image	
I/O Signal	INPUT : Trigger (TTL/Switch), SYNC, Ready, Event, IRIG OUTPUT : Trigger (TTL/Switch), SYNC, Ready, Expose, Event	
Operating Temperature	-10 to 50 degree Celcius -40 to 65 degree Celcius (customizable)	
Humidity	<95% (without condensation)	
Dimension	L217 x W110 x H110 mm (exclude lens) Weight: 3.8Kg	
Power	DC 24V , 55W	

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H-204

Resolution	Recording Speed	Recording Time (memory)			Recording Time (hard disk)		
		40GB	80GB	160GB	4TB	12TB	24TB
2048 x 1024	4000 fps	4.8s	9.6s	19.2s	8min	25min	50min
2048 x 768	5000 fps	5.4s	10.8s	21.6s	8min	25min	50min
2048 x 512	5600 fps	7.3s	18.2s	36.4s	15min	45min	90min
2048 x 256	9000 fps	9.1s	18.2s	36.4s	15min	45min	90min
2048 x 128	12000 fps	13.7s	27.4s	54.8s	22min	67min	134min
2048 x 64	20000 fps	16.4s	32.8s	65.6s	27min	81min	162min
2048 x 32	25000 fps	26.3s	52.6s	105.2s	43min	130min	260min

H-207

Resolution	Recording Speed	Recording Time (memory)			Recording Time (hard disk)		
		40GB	80GB	160GB	4TB	12TB	24TB
2048 x 1024	6600 fps	3.1s	6.2s	12.4s	5min	15min	30min
2048 x 768	8500 fps	3.1s	6.2s	12.4s	5min	15min	30min
2048 x 512	11000 fps	3.7s	7.4s	14.8s	6min	18min	36min
2048 x 256	17000 fps	4.8s	9.6s	19.2s	8min	24min	48min
2048 x 128	23000 fps	7.1s	14.2s	28.4s	11min	34min	68min
2048 x 64	28000 fps	11.7s	23.4s	46.8s	19min	57min	114min
2048 x 32	50000 fps	13.1s	26.2s	54.4s	21min	64min	128min

Notes:

1. When recording time is based on the grayscale 8 bits, the 160GB version has twice the recording time as 80GB memory
2. Hard disk version supports real-time writing with full sensor resolution and full frame rate.

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