



M-101

1280 x1024 up to 1000fps

M-105

1280 x 1024 up to 5000fps

M-103

1280 x 1024 up to 3000fps

M-108

1280 x 1024 up to 8000fps

BALANCE BETWEEN COST AND PERFORMANCE

YUKI M-Series strikes balance between cost and performance. Industry leading light sensitivity high speed camera with ISO56000(M) and ISO21000 (C), YUKI M series provides unparallel image quality. Recording 8000fps at full resolution of 1280x1024 packed with full features make this camera ideal for almost all field application in research, ballistic, automotive, industrial and semiconductor.

Model:	M-101	M-103	M-105	M-108
Max. Resolution	1280 X 1024			
Max. Resolution Speed	1000fps	3000fps	5000fps	8000fps
Max. Recording Speed	70000fps	200000fps	350000fps	550000fps
Sensor Pixel Size	14.6µm			
Min. Exposure Time	1µs (option up to 100ns)			
Shutter	Global Shutter			
Dynamic Range	60dB			
Bit Depth	8 / 10 / 12 bit			
Sensitivity	ISO 56000 (Monochrome) ISO 21000 (Color)			
Analog Gain	2x 4x 8x			
Recording Memory	16GB / 32GB / 64GB			
Data Interface	10GigE , Adaptive Gigabit Ethernet			
Video Signal Output	Ethernet			
Trigger Mode	Software / IO / IAC (Image Auto Capture)			
I/O Signal	INPUT : Trigger (TTL/Switch), RS422, SYNC, Ready, Event, IRIG OUTPUT : Trigger, SYNC, Ready, Event			
Operating Temperature	-10 to 50 degree Celsius -40 to 65 degree Celsius (customizable)			
Humidity	<95% (without condensation)			
Dimension	L90 x W110 x H110 mm (exclude lens) , Weight <1.6Kg			
Power	DC 24V , <30W			
Shock Resistance	150g / 11ms all axis, spikes up to 200g			

Specifications subject to change without prior notice

HI-TECH
Electronics Pte Ltd

(65) 8855 3883

sls@hitech.com.sg

HI-TECH Resources
(Thailand) Co., Ltd

(66) 094-1155-699

info@hitec.co.th



M-101

Resolution	Recording Speed	Recording Time			
		16GB	32GB	64GB	1TB
1280 x 1024	1000 fps	13s	26s	52s	13min
1280 x 800	1280 fps	13s	26s	52s	13min
1280 x 512	2000 fps	13s	26s	52s	13min
1280 x 256	4000 fps	13s	26s	52s	13min
1280 x 128	8000 fps	13s	26s	52s	13min
1920 x 8	70000 fps	23s	46s	92s	24min

M-103

Resolution	Recording Speed	Recording Time			
		16GB	32GB	64GB	1TB
1280 x 1024	3000 fps	4.3s	8.6s	17.2s	3.7min
1280 x 800	3800 fps	4.3s	8.6s	17.2s	3.7min
1280 x 512	6000 fps	4.3s	8.6s	17.2s	3.7min
1280 x 256	12000 fps	4.3s	8.6s	17.2s	3.7min
1280 x 128	24000 fps	4.3s	8.6s	17.2s	3.7min
1920 x 8	200000 fps	8.3s	16.6s	33.2s	8.8min

M-105

Resolution	Recording Speed	Recording Time			
		16GB	32GB	64GB	1TB
1280 x 1024	5000 fps	2.6s	5.2s	10.4s	166s
1280 x 800	6400 fps	2.6s	5.2s	10.4s	166s
1280 x 512	10000 fps	2.6s	5.2s	10.4s	166s
1280 x 256	20000 fps	2.6s	5.2s	10.4s	166s
1280 x 128	40000 fps	2.6s	5.2s	10.4s	166s
1920 x 8	350000 fps	4.7s	9.4s	18.8s	5min

M-108

Resolution	Recording Speed	Recording Time			
		16GB	32GB	64GB	1TB
1280 x 1024	8000 fps	1.6s	3.2s	6.4s	102s
1280 x 800	10000 fps	1.6s	3.2s	6.4s	102s
1280 x 512	16000 fps	1.6s	3.2s	6.4s	102s
1280 x 256	32000 fps	1.6s	3.2s	6.4s	102s
1280 x 128	64000 fps	1.6s	3.2s	6.4s	102s
1920 x 8	550000 fps	3s	6s	12s	192s

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