

UP To 585000 fps

- 1.3MP @8000 fps
- Support up to 64 memory partitions
- Support up to 4TB optional memory
- 10GigE data interface, compatible with GigE
- Automatic triggering of image changes

ISPEEDY80MT13M/C-SE



Applied range • Sports Technology • Digital Referee • Vehicle Crash Test • Flame Image Analysis • Blast Research • Fluid Analysis

Camera	iSpeedy80MT13M/C-SE
Resolution [H*V]	1280×1024
Full Frame Rate	8000fps
Max Frame Rate	585000fps
Min Exposure Time	100ns
Pixel Size	14.6um
Standard RAM	16G、32G、64G、128G (Optional)
Extended Memory	1.2T、2T、4T (Optional)
Shutter	Global
Dynamic Range	60dB
Analog Gain	×2、×4、×8
Sensitivity	ISO56000(Mono); ISO21000(Color)
Bit Depth	8bit / 10bit / 12bit
Color	Mono / Color
Data Interface	10 Gigabit Ethernet, Adaptive Gigabit Ethernet
Lens Mount	E interface, can be connected to F/C/EF interface
Trigger Mode	Manual, IO, Image
External Signal	Input: trigger (TTL/switch) signal, synchronization signal, ready signal, event signal, IRIGB signal Output: trigger signal, synchronization signal, ready signal
Dimensions & Weight	90D×110W×110H (<1.8kg)
Operating Temperature/ Humidity	Standard -10~50 °C , below 95% (without condensation), customizable -40~65 °C wide temperature version
Power Supply	DC24V@<30W

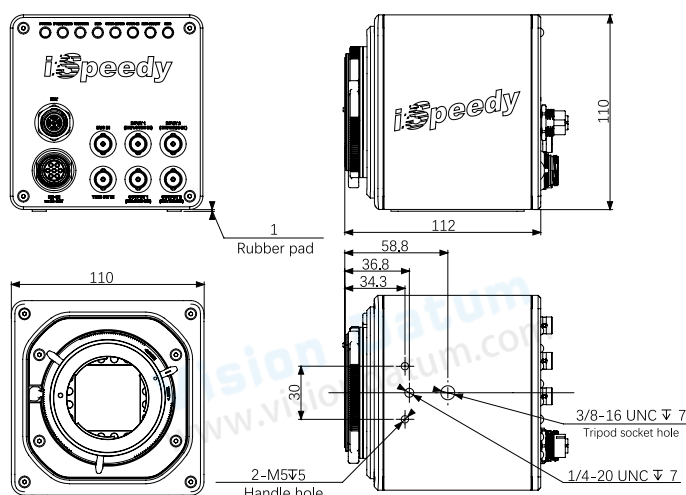
Performance

Resolution	Frame Rate	Record time (memory)			Record time (hard disk)		
		16GB	32GB	64GB	1.2TB	2TB	4TB
1280×1024	8000fps	1.6s	3.2s	6.4s	2min	3.4min	6.9min
1280×768	10700fps	1.6s	3.2s	6.4s	2min	3.4min	6.9min
1280×512	16000fps	1.6s	3.2s	6.4s	2min	3.4min	6.9min
1280×256	31700fps	1.6s	3.2s	6.4s	2min	3.4min	6.9min
1280×128	61500fps	1.7s	3.4s	6.8s	2.1min	3.6min	7.2min
1280×8	585000fps	2.8s	5.7s	11.4s	3.6min	6.1min	12.2min

*Recording time with 8bit grayscale, the 128GB version records twice as long as 64GB.

*The hard disk version supports real-time writing with limited parameters and supports real-time write speeds of up to 31 Gbps.

Dimensions



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