

UP To 1000000 fps

- 1.3MP @13800 fps
- Support up to 64 memory partitions
- Support up to 24TB optional memory
- 10GigE data interface, compatible with GigE
- Automatic triggering of image changes

ISPEEDY136MT13M/C



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

Camera	iSpeedy136MT13M/C
Resolution [H*V]	1280×1024
Full Frame Rate	13800fps
Max Frame Rate	1000000fps
Min Exposure Time	100ns
Pixel Size	14.6um
Standard RAM	40G, 80G, 160G, 320G (Optional)
Extended Memory	4T, 12T, 24T (Optional)
Shutter	Global
Dynamic Range	60dB
Analog Gain	×2、×4、×8
Sensitivity	ISO67000(Mono); ISO23000(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 code signal Output: trigger (TTL/switch) signal, synchronization signal, ready signal, exposure signal, recording signal
Dimensions & Weight	217D×110W×110H (3.8kg)
Operating Temperature/Humidity	Standard -10~50 °C , below 95% (without condensation), customizable -40~65 °C wide temperature version
Power Supply	Dual power supply, DC24V@55W

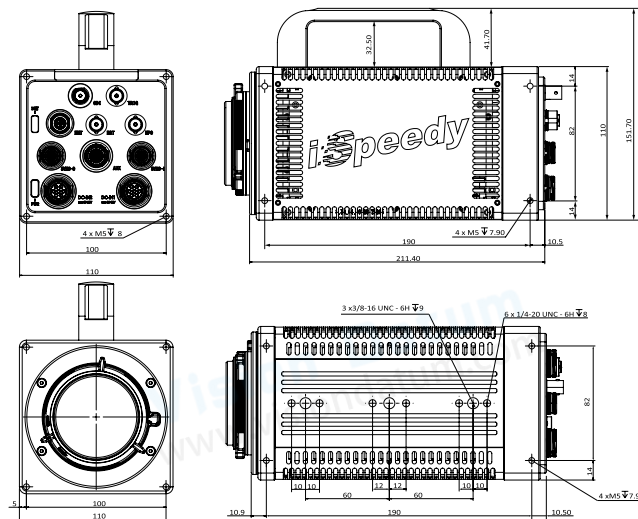
Performance

Resolution	Frame Rate	Record time (memory)			Record time (hard disk)		
		40GB	80GB	160GB	4TB	12TB	24TB
1280×1024	13800fps	2.3s	4.7s	9.5s	4min	12min	24min
1280×768	18300fps	2.3s	4.7s	9.5s	4min	12min	24min
1280×512	27400fps	2.3s	4.7s	9.5s	4min	12min	24min
1280×256	54000fps	2.4s	4.8s	9.7s	4min	12min	24min
1280×128	106000fps	2.6s	5.0s	10s	4min	12min	24min
1280×64	192000fps	2.7s	5.4s	10.9s	4.5min	13min	26min
1280×8	1000000fps	4.1s	8.2s	16.4s	7min	20min	40min

※Recording time with 8bit grayscale, the 320GB version records twice as long as 160GB.

※The hard disk version supports full resolution full frame rate real-time storage.

Dimensions



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