

UP To 10000 fps

- 2MP @1000 fps
- Support up to 64 memory partitions
- Support up to 24TB optional memory
- 10GigE data interface, compatible with GigE
- Automatic triggering of image changes

ISPEEDY10MT20M/C



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

Camera	iSpeedy10MT20M/C
Resolution [H*V]	2048×1024
Full Frame Rate	1000fps
Max Frame Rate	10000fps
Min Exposure Time	1us
Pixel Size	9um
Standard RAM	40G, 80G, 160G, 320G (Optional)
Extended Memory	4T, 12T, 24T (Optional)
Shutter	Global
Dynamic Range	64dB
Analog Gain	×2、×4、×8
Sensitivity	ISO10000(Mono); ISO3000(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, IIRGB 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

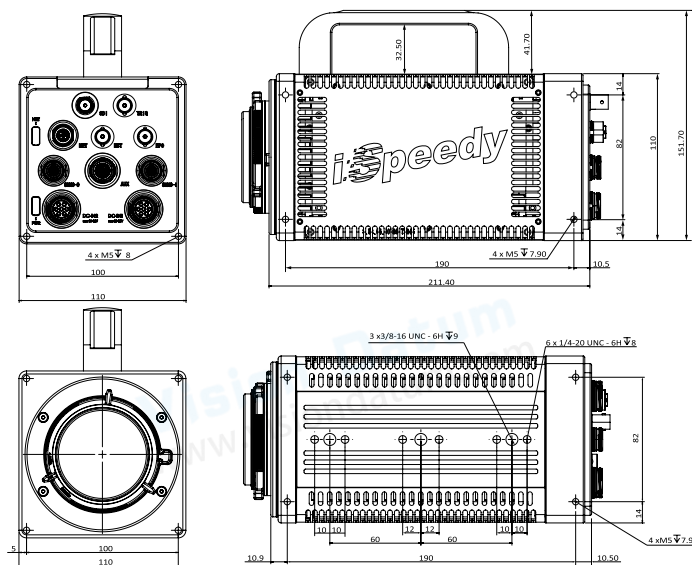
Performance

Resolution	Frame Rate	Record time (memory)			Record time (hard disk)		
		40GB	80GB	160GB	4TB	12TB	24TB
2048×1024	1000fps	20.4s	40.8s	81.6s	32min	102min	204min
2048×768	1600fps	17s	34s	68s	28min	85min	170min
2048×512	2000fps	20.4s	40.8s	81.6s	32min	102min	204min
2048×256	4000fps	20.4s	40.8s	81.6s	32min	102min	204min
2048×128	5000fps	32s	64s	128s	54min	163min	327min
2048×64	8000fps	41s	82s	164s	68min	204min	408min
2048×32	10000fps	65.5s	131s	262s	109min	327min	655min

*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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