

MEMRECAM ACS-3

1280 x 800 @ 16,000 frames per second (fps)



Features	
Boost Mode <small>monochrome only</small>	Increases resolution in highest speed
Auto black Balance	Mechanical Shutter
Memory Segment	up to 64 Segments
Built in SSD <small>Option</small>	Fast Auto Storage to built in SSD
Faster Download	Download via USB3.0B to PC
Download Rec	Download a memory segment while recording another segment
Image Trigger	Triggered in a minimum area of 21 x 16 pixels
Dual Framing rate	1x and 1/2 - 1/100x
CAM Mode LED	Status LED READY/VIEW/ARM/REC
Frame Straddle mode	Record continuous image pairs for PIV Applications
Fan Control	Pause Control / auto control / forced cooling
EST Sync	Sync with an External Signal

Specifications	
Sensor	1.14M Pixel, CMOS 28.16mm x 19.71mm
Active Pixels	1280 x 896
Pixel Size	22µm square
ISO (REI)	100,000 (monochrome) 20,000 (colour)
Memory	16GB / 32GB / 64GB
Memory Segment	up to 64 segments
Bit Depth	8bit / 10bit / 12bit
Electronic Shutter	Open to 600ns
Video Output	DisplayPort / HDMI / 3G-SDI
Input Signal	Trigger / EST / IRIG-B
Output Signal	STATUS / Exp. Pulse / Trigger Out
Control	PC or V-PAD (11.6" Touch Panel - Option)
Power	20-32V DC
Dimensions	128w x 128h x 206d mm
Weight	4.5Kg

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High Speed Camera System

Resolution Chart / Recording time (32GB 12 bit)				
Frame Rate FPS	ACS-3			
	Normal Mode		Boost Mode {monochrome Only}	
	Pixel (H) x (V)	Time in sec	Pixel (H) x (V)	Time in sec
50 - 14,000	1280 x 896	1.36	-	-
16,000	1280 x 800	1.33	1280 x 896	2.38
17,000	1280 x 720	1.39	1280 x 896	2.24
20,000	1280 x 624	1.36	1280 x 896	1.90
25,000	1280 x 469	1.37	1280 x 896	1.52
30,000	1280 x 400	1.48	1280 x 800	1.42
40,000	1280 x 288	1.42	1280 x 576	1.48
50,000	1280 x 244	1.52	1280 x 448	1.52
65,000	1280 x 160	1.64	1280 x 320	1.64
75,000	1280 x 144	1.58	1280 x 288	1.58
100,000	1280 x 96	1.77	1280 x 192	1.77
120,000	1280 x 80	1.77	1280 x 160	1.77
150,000	1280 x 48	2.37	1280 x 96	2.37
200,000	1280 x 32	2.66	1280 x 64	2.66
220,000	1280 x 16	4.84	1280 x 32	4.84
400,000	1280 x 16	2.66	1280 x 32	2.66



Options
C-Mount Lens Adapter
Canon EF Lens Adapter
V-Pad (11.6" Touch Screen Controller)
Carry Case
Analogue Wave Inserter
Built in SSD
AUX Cable



VIEW



ARM



REC



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