

MEMRECAM **ACS-3** **M16**



1280 × 896 pixel 50,000 fps

1Mpixel Resolution at Ultra-Fast Framing Rates ※ In Boost4 mode

Ultra High Sensitivity

Color ISO 20,000

Mono ISO 100,000

500% brighter than conventional model ※ Compared with MEMRECAM GX-8F

HDR mode available

※ Only Monochrome

USB 3.0B Fast Download

400% faster data transfer ※ Compared with LAN connection

Compact housing (WHD)

128 × 128 × 206 mm

Features

Boost mode ^{※3}	For increased FPS or Vertical Resolution
Auto Black Balance	Mechanical Calibration Shutter
Memory Segment	Up to 64 Segments
Built-in SSD ^{※1}	Faster Auto Storage into Built-in SSD Backup image data while recording
Faster Download	Download via USB3.0B (to PC)
Download Rec	Recording to a memory segment in parallel with downloading to another memory segment
HDR ^{※3}	Allows more realistic depiction of brightness and darkness
Image Trigger	Triggered by intensity shifts detected in a minimum area of 42x32 pixel
Dual Framing Rate	1x and 1/2 ~ 1/100x
Cam Mode LED	Status LED : STOP-READY / VIEW / ARM / REC
SYNC Recording	Fully synchronized with GX-HUB
Frame straddling shooting	Record continuous image pairs for PIV analysis Support minimum 210ns laser pulse
Fan control	Pause control / auto fancontrol / forced cooling mode
Auto pilot	Read sequence and execute automatically
EST SYNC	Sync with an external signal

Specifications

Sensor	1.14M Pixel, CMOS
Active Pixel	1280x896
ISO (REI)	ISO 5,000 - 40,000 (color) ISO 25,000 - 200,000 (Mono)
Electric Shutter	1/10 ~ 1/1,666,666 sec. ^{※5} 1/10 ~ 1/909,090 sec. ^{※4}
Memory	16GB / 32GB / 64GB
Memory Segment	Up to 64 Segments
Bit Depth	8bit / 10bit / 12bit
Lens Mount ^{※1}	F Mount (Support to Iris ring-less Lens) C Mount , EF Mount
Video Output	DisplayPort / 3G-SDI (Level A)
Input Signal	Trigger(TTL/Contact) / EST / IRIG-B / ARM CMD / PWR CTL
Output Signal	Status(ARM/FAULT) / Exp. Pulse / EPO / Trigger OUT / VD OUT
Trigger Mode	NORMAL/ EVENT/ BURST/ MULTI/ LINEAR
Interface	1000BASE-T / USB3.0B / 3.0 / 2.0
Control ^{※1}	PC / V-PAD (11.6" Touch Panel Monitor)
Power	20-32V DC
Dimensions	Approx. 128Wx128Hx206D mm (without handle)
Weight	Approx. 4.5kg

※1 Option

※2 Recording Time is 32GB model at 12-bit recording

※3 Only monochrome

※4 Export Control Model

※5 Required Export License

Recording Time ^{※2}

fps	(Normal mode)			(Boost mode)			(Boost4 mode)		
	pixel (H) x (V)	Recording Time in sec.		pixel x (V)	Recording Time in sec.		pixel x (V)	Recording Time in sec.	
50 ~ 14,000	1280 x 896	1.35		—	—		—	—	
16,000	x 800	1.33		x 896	2.37		—	—	
17,000	x 720	1.39		x 896	2.23		—	—	
20,000	x 624	1.36		x 896	1.90		—	—	
25,000	x 496	1.37		x 896	1.52		—	—	
30,000	x 400	1.41		x 800	1.41		x 896	2.53	
40,000	x 288	1.47		x 576	1.47		x 896	1.90	
50,000	x 224	1.52		x 448	1.52		x 896	1.52	
65,000	x 160	1.63		x 320	1.63		x 640	1.63	
75,000	x 144	1.47		x 288	1.57		x 512	1.77	
100,000	x 96	1.77		x 192	1.77		x 384	1.77	
120,000	x 80	1.77		x 160	1.77		x 256	2.21	
150,000	x 48	2.36		x 96	2.36		x 192	2.36	
200,000	x 32	2.66		x 64	2.66		x 128	2.66	
※4 220,000	x 16	4.83		x 32	4.83		x 64	4.83	
※5 400,000	x 16	2.66		x 32	2.66		x 64	2.66	

Configurations

Standard

- ACS Camera
- Tripod Plate
- Standard Comm. Cable
- NAC Control Software MLink
- Operation Manual

Options

- AC Adapter(Power Supply)
- F-Mount Adapter
- C-Mount Adapter
- EF-Mount Adapter
- V-PAD
- Analog Wave Inserter
- Built-in SSD 1TB
- AUX Cable
- SYNC Cable
- Carrying Case



Visit our website at

Specifications described above are subject to change without notice.



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