

MEMRECAM ACS-3 M16



1280×896 pixel @ 25,000 fps

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

Ultra High Sensitivity

Color ISO 20,000

Mono ISO 100,000

500% brighter than conventional models ※ Compare to MEMRECAM GX-8F

USB 3.0B Fast download

400% faster data transfer ※ vs 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
Image Trigger	Triggered by intensity shifts detected in a minimum area of 21x16 pixel
Dual Framing Rate	1x and 1/2 ~ 1/100x
CAM MODE LED	Status LED : READY / VIEW / ARM / REC
SYNC Recording	Fully synchronized with GX-HUB
Frame straddling shooting	Record continuous image pairs for PIV analysis Support minimum 500ns 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

fps	(Normal mode) ^{※2}			(Boost mode) ^{※2}		
	pixel (H)	pixel (V)	Recording Time in sec.	pixel (H)	pixel (V)	Recording Time in sec.
50~14,000	1280	896	1.36	—	—	—
16,000	1280	800	1.33	1280	896	2.38
17,000	1280	720	1.39	1280	896	2.24
20,000	1280	624	1.36	1280	896	1.90
25,000	1280	496	1.37	1280	896	1.52
30,000	1280	400	1.42	1280	800	1.42
40,000	1280	288	1.48	1280	576	1.48
50,000	1280	224	1.52	1280	448	1.52
65,000	1280	160	1.64	1280	320	1.64
75,000	1280	144	1.58	1280	288	1.58
100,000	1280	96	1.77	1280	192	1.77
120,000	1280	80	1.77	1280	160	1.77
150,000	1280	48	2.37	1280	96	2.37
200,000	1280	32	2.66	1280	64	2.66
220,000	1280	16	4.84	1280	32	4.84
400,000 ^{※5}	1280	16	2.66	1280	32	2.66

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	1/100 ~ 1/1,666,666 sec. 1/100 ~ 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) ^{※1} C Mount ^{※1} EF Mount ^{※1}
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 Expert Control Model
 ※5 Required Export License

- | Configurations | Options |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard
• ACS Camera
• Tripod Plate
• Standard Comm. Cable
• NAC Control Software MLink
• Operation Manual | • 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 www.nacinc.com

Please Note: Specifications described above are preliminary and subject to change.



Contact Us in Americas:
nac Americas Inc.
 193 Jefferson Ave, Suite 102
 Salem, MA 01970 U.S.A.
 Tel: 833-600-0280
 Email: sales@nacinc.com