



## HotShot Mega X3 cc

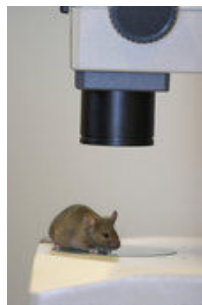
The HotShot line of high-speed digital video cameras from Motion Imaging Corporation provides the user with affordably priced high-speed video featuring high frame rates, high resolutions and long record times... all in one extremely compact package!

MIC's HotShot **Mega X3 cc** is designed to be an easy-to-use, high-speed video solution for research, test and production customers. The HotShot **Mega X3 cc** camera and recording system provides the user with an affordably priced versatile and reliable high-speed video system for a variety of applications including: biomechanics, research, test, design, production, packaging and many more!

The HotShot **Mega X3 cc** records brilliant color images or crisp monochrome images at resolutions up to 1280 x 1024 pixels standard at 1000 frame per second - with frame rates up to 20,000 fps at reduced resolutions and recording times up to two (2) minutes!



- **1000 fps at full resolution**
- **1280 x 720 resolution @ 1500 fps**
- **Compact Camera Body ~ 1Kg**
- **Gigabit Ethernet Interface**
- **Available in Monochrome or Color**
- **Up to 16 GB Internal Memory for longer record times**
- **Intuitive Capture and Control Software**
- **Analysis Software for 2D Tracking of Velocity, Acceleration & Displacement**



## HotShot Mega X3 cc Features and Specifications

Resolution	1280 x 1024 Pixels
Frame Rate @ Maximum Resolution	1000 fps
Onboard Memory	2GB / 4GB / 8GB / 16GB
Maximum frame rate	20,000
Image Sensor	Progressive Scan CMOS .8"
Exposure Time	2 $\mu$ s—1/Framerate
Active Area	10.24mm x 8.19mm
Sensor Diagonal Dimension	13.11 mm
Pixel Size	8 $\mu$ m
Storage Bit Depth	8 Bit
Sensor Bit Depth	8 Bit
Sensitivity	ISO 2000 Mono, ISO 500 Color
Shutter	Global electronic, 2 $\mu$ s
Trigger Signal	TTL, switch, open collector, rising or falling edge, on image content variation
Synchronization	Internal, external
Interface	Gigabit Ethernet
Video Output	VGA
Power	12 VDC / 12 W
Lens Mount	C-Mount, F-Mount with Adapter, AFG Mount available
Weight	~ 1Kg
Operating Temperature	0—40 degrees C
Humidity	< 80% relative, non-condensed
Dimensions	145mm x 95mm x 78.5mm
Conformity	CE, RoHS
Optional	LabView Driver



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# Resolution Chart HotShot MegaX3 cc

500 ISO Color

Frame Rate	Maximum Resolution	
	Hor.	Vert.
FPS		
100	1280	1024
250	1280	1024
500	1280	1024
<b>1,000</b>	<b>1280</b>	<b>1024</b>
1,500	1280	720
<b>2,000</b>	<b>800</b>	<b>600</b>
4,000	600	400
<b>6,000</b>	<b>400</b>	<b>300</b>
8,000	384	256
10,000	320	200
20,000	160	100

Record Time sec			
2GB	4GB	8GB	16GB
16.02	32.04	64.09	128.17
6.41	12.82	25.63	51.27
3.20	6.41	12.82	25.63
1.60	3.20	6.41	12.82
1.52	3.04	6.08	12.15
2.19	4.38	8.75	17.50
2.19	4.38	8.75	17.50
2.92	5.83	11.67	23.33
2.67	5.34	10.68	21.36
3.28	6.56	13.13	26.25
6.56	13.13	26.25	52.50

subject to change 2/12



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