



## HotShot 1024 cc

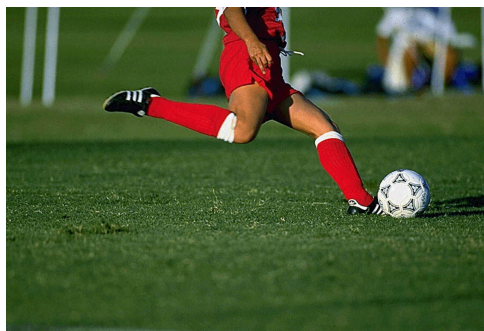
**The HotShot line of high-speed digital video cameras from Motion Imaging Corporation provides the user with affordably priced high-speed video featuring optimal light sensitivity and long record times... all in one extremely compact package!**

MIC's HotShot **1024 cc** is designed to be an easy-to-use, high-speed video solution for research, test and production customers. The HotShot **1024 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 **1024 cc** records brilliant color images or crisp monochrome images at resolutions up to 1024 x 1024 pixels @ 300 fps, and frame rates up to 10,000 fps at lower resolutions.



- **Resolution 1024 x 768 @ 500 fps**
- **Resolution 800 x 600 @ 1,000 fps**
- **Compact Camera Body ~ 1Kg**
- **Superior light sensitivity**
- **Gigabit Ethernet Interface**
- **Available in Monochrome or Color**
- **Up to 16 GB Internal Memory**
- **Intuitive Capture and Control Software**
- **Analysis Software for 2D Tracking of Velocity, Acceleration & Displacement**



## HotShot 1024 cc Features and Specifications

Resolution	1024 x 1024 Pixels
Frame Rate @ Maximum Resolution	300 fps
Onboard Memory	1GB / 2GB / 4GB / 8GB / 16GB
Recording Time	Up to 60 seconds
Image Sensor	Progressive Scan CMOS
Exposure Time	2 $\mu$ s—1/Framerate
Active Area	14.3 mm x 14.3 mm
Sensor Format	1.1"
Sensor Diagonal Dimension	20.2 mm
Pixel Size	14 $\mu$ m x 14 $\mu$ m
Storage Bit Depth	8 Bit
Sensor Bit Depth	10 Bit
Sensitivity	ISO 4000 Mono, ISO 1000 Color
Shutter	Global electronic, >2 $\mu$ s exposure time
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 or optional AFG mount
Weight	< 2.5 lbs.
Operating Temperature	32—104 degrees F
Humidity	< 80% relative, non-condensed
Dimensions	145mm x 95mm x 78.5mm
Conformity	CE, RoHS



**NAC Deutschland GmbH**  
 Hedelfingerstr. 54-70  
 70327 Stuttgart  
 Germany  
 Tel: +49 711 2201 885  
 Email: [rwestphal@nacinc.de](mailto:rwestphal@nacinc.de)  
 Website: [www.nacinc.de](http://www.nacinc.de)

## Resolution Chart HotShot 1024 cc

1000 ISO  
Color

Frame Rate	Maximum Resolution	
FPS	Hor.	Vert.
100	1024	1024
250	1024	1024
300	1024	1024
500	1024	768
<b>1,000</b>	<b>800</b>	<b>600</b>
1,500	600	400
2,000	600	400
3,000	400	256
5,000	320	200
10,000	160	100

Record Time sec				
1GB	2GB	4GB	8GB	16GB
10.05	20.10	40.21	80.41	160.83
4.02	8.04	16.08	32.17	64.33
3.35	6.70	13.40	26.80	53.61
2.68	5.36	10.72	21.44	42.89
2.20	4.39	8.78	17.57	35.13
2.93	5.86	11.71	23.42	46.84
2.20	4.39	8.78	17.57	35.13
3.43	6.86	13.72	27.45	54.90
3.29	6.59	13.18	26.35	52.70
6.59	13.18	26.35	52.70	105.40

subject to change  
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**NAC Deutschland GmbH**  
Hedelfingerstr. 54-70  
70327 Stuttgart  
Germany  
Tel: +49 711 2201 885  
Email: [rwestphal@nacinc.de](mailto:rwestphal@nacinc.de)  
Website: [www.nacinc.de](http://www.nacinc.de)