



HotShot 2300 cc

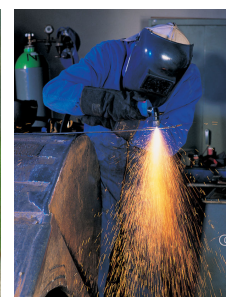
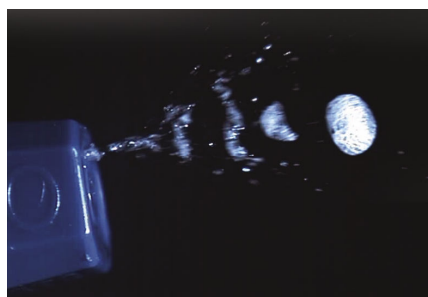
The HotShot line of high-speed digital video cameras from Motion Imaging Corporation provides the user with affordably priced high-speed video featuring Mega Pixel resolution and fast frame rates... all in one extremely compact package!

MIC's HotShot **2300 cc** is designed to be an easy-to-use, high-speed video solution for research, test and production customers. The HotShot **2300 cc** camera and recording system provides the user with an affordably priced versatile and reliable high-speed video system including: biomechanics, research, test, design, production, packaging and many more!

The HotShot **2300 cc** records brilliant color images or crisp monochrome images at resolutions up to 2304 x 1720 pixels and frame rates up to 60,000 fps at reduced resolutions.



- **500 fps at full resolution**
- **800 fps with full HD resolution**
- **Very compact housing**
- **4 Mega Pixel sensor resolution**
- **Gigabit Ethernet Interface**
- **Available in Monochrome or Color**
- **Intuitive Capture and Control Software**
- **Analysis Software for 2D Tracking of Velocity, Acceleration & Displacement**



HotShot 2300 cc Features and Specifications

Resolution	2304 x 1720 Pixels
Frame Rate @ Maximum Resolution	500 fps
Onboard Memory	2GB / 4GB / 8GB
Maximum frame rate	60,000
Image Sensor	Progressive Scan CMOS 1.3"
Exposure Time	2 μ s—1/Framerate
Active Area	16.13 mm x 12.04mm
Sensor Diagonal Dimension	20.12 mm
Pixel Size	7 μ m
Storage Bit Depth	8 Bit
Sensor Bit Depth	10 Bit
Sensitivity	ISO 800 Mono, ISO 150 Color
Shutter	Global electronic, min 2 μ 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
Weight	~ 1 Kg
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 2300cc

150 ISO Color

Frame Rate	Maximum Resolution	
	Hor.	Vert.
FPS		
100	2304	1720
250	2304	1720
500	2304	1720
800	1920	1080
1,000	2304	864
1,000	1280	720
1,500	2304	572
2,000	2304	428
2,500	2304	340
3,000	2304	284
4,000	2304	212
5,000	2304	168
6,000	2304	140
8,000	2304	104
10,000	2304	80
15,000	2304	52
20,000	2304	40
25,000	2304	28
30,000	2304	24
40,000	2304	16
50,000	2304	12
75,000	2304	8
100,000	2304	4

Record Time sec			
2GB	4GB	8GB	16GB
5.30	10.60	21.20	42.39
2.12	4.24	8.48	16.96
1.06	2.12	4.24	8.48
1.27	2.53	5.06	10.13
1.05	2.11	4.22	8.44
2.28	4.56	9.11	18.23
1.06	2.12	4.25	8.50
1.06	2.13	4.26	8.52
1.07	2.14	4.29	8.58
1.07	2.14	4.28	8.56
1.07	2.15	4.30	8.60
1.09	2.17	4.34	8.68
1.09	2.17	4.34	8.68
1.10	2.19	4.38	8.76
1.14	2.28	4.56	9.11
1.17	2.34	4.67	9.35
1.14	2.28	4.56	9.11
1.30	2.60	5.21	10.42
1.27	2.53	5.06	10.13
1.42	2.85	5.70	11.39
1.52	3.04	6.08	12.15
1.52	3.04	6.08	12.15
2.28	4.56	9.11	18.23

Reducing Vertical resolution increases speed

subject to change
7/10



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