



HotShot 1280 cc

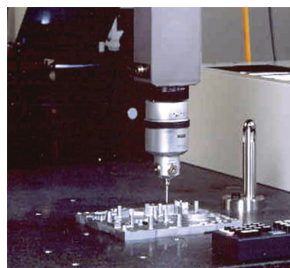
The HotShot line of high-speed digital video cameras from Motion Imaging Corporation provides the user with affordably priced high-speed video featuring high frame rates, high resolutions and long record times... all in one extremely compact package!

MIC's HotShot 1280 cc is designed to be an easy-to-use, high-speed video solution for research, test and production customers. The HotShot 1280 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 1280 cc records brilliant color images or crisp monochrome images at resolutions up to 1280 x 1024 pixels standard - frame rates up to 100,000 fps at reduced resolutions and recording times up to 60 seconds!



- **500 fps at full resolution**
- **Compact Camera Body ~ 1Kg**
- **Extremely Light Sensitive**
- **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**



Features and Specifications HotShot 1280 cc

Resolution	1280 x 1024 Pixels
Frame Rate @ Maximum Resolution	500 fps
Onboard Memory	2GB / 4GB / 8GB / 16GB
Maximum frame rate	100,000
Image Sensor	Progressive Scan CMOS 1.4"
Exposure Time	2 μ s—1/Framerate
Active Area	19.92mm x 14.34mm
Sensor Diagonal Dimension	22.95 mm
Pixel Size	14 μ m
Storage Bit Depth	8 Bit
Sensor Bit Depth	10 Bit
Sensitivity	ISO 4000 Mono, ISO 1000 Color
Shutter	Global electronic, > 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	< 2.5 lbs.
Operating Temperature	32—104 degrees F
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 1280 cc

Frame Rate	Maximum Resolution		Record Time sec			
	FPS	Hor.	Vert.	2GB	4GB	8GB
100	1280	1024	16.02	32.04	64.09	128.17
250	1280	1024	6.41	12.82	25.63	51.27
500	1280	1024	3.20	6.41	12.82	25.63
1,000	1024	612	3.35	6.70	13.40	26.81
1,500	768	536	3.40	6.80	13.60	27.21
2,000	640	444	3.70	7.39	14.78	29.56
2,500	528	432	3.68	7.37	14.73	29.46
3,000	512	356	3.84	7.68	15.36	30.72
4,000	432	308	3.95	7.89	15.78	31.57
5,000	432	244	3.98	7.97	15.94	31.88
6,000	320	240	4.56	9.11	18.23	36.46
8,000	304	180	4.80	9.59	19.19	38.38
10,000	768	72	3.80	7.60	15.19	30.38
10,000	288	156	4.67	9.35	18.70	37.39
15,000	288	96	5.06	10.13	20.25	40.51
20,000	192	88	6.21	12.43	24.86	49.72
25,000	576	32	4.56	9.11	18.23	36.46
30,000	128	64	8.54	17.09	34.18	68.36
40,000	96	48	11.39	22.79	45.57	91.15
50,000	64	36	18.23	36.46	72.92	145.83
60,000	48	32	22.79	45.57	91.15	182.29
80,000	48	16	34.18	68.36	136.72	273.44
100,000	144	4	36.46	72.92	145.83	291.67

Adjustable 16 x 4 increments

subject to change 7/10



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