Image Technology

Providing quality and reliability since 1958

HotShot 1280cc

1280 x 1024 up to 500 frames per second (fps)

HotShot 1280 CC Features

CMOS Sensor
1280 X 1024 @ 500fps
all Active Pixels

Bit Depth
10 - bit

Adjustable Electronic Shutter
down to 2us

GigaBit Ethernet Interface

Lens Mount
C-Mount OR F-Mount supporting “G type“

Compact Housing
145 x 95 x 78mm

Synchronisation
Internal and external sync recording

Simple Intuative Control Software
Including Auto Tracking Function to measure, Acceleration, Velocity and Displacement

Light Sensitivity
ISO 4000 Mono
ISO 1000 Colour

Power
12VDC / 12W

Image Technology
The visible difference

NAC Deutschland GmbH
Hedelfingerstr. 54-70
70327 Stuttgart
Germany
Tel: +49 (0)711 2201 885
E-mail: rwestphal@nacinc.de
www.nacinc.eu

NAC Image Technology
1 Beach Street
Dawlish, Devon
EX7 9PN, UK
Tel: +44 (0)71626 867777
E-mail: jimmy.robinson@nacinc.com
www.nacinc.co.uk

HotShot 1280 CC

High Speed Camera System

Frame Rate	Available Resolution (examples)		Record Time Sec (8 bit)		
FPS	Hor.	Vert.		8GB	16GB
100	1280	1024		64.09	128.17
250	1280	1024		25.63	51.27
500	1280	1024		12.82	25.63
1,000	1024	612		13.40	26.81
1,500	768	536		13.60	27.21
2,000	640	444		14.78	29.56
2,500	528	432		14.73	29.46
3,000	512	356		15.36	30.72
4,000	432	308		15.78	31.57
5,000	432	244		15.94	31.88
6,000	320	240		18.23	36.46
8,000	304	180		19.19	38.38
10,000	768	72		15.19	30.38
10,000	288	156		18.70	37.39
15,000	288	96		20.25	40.51
20,000	192	88		24.86	49.72
25,000	576	32		18.23	36.46
30,000	128	64		34.18	68.36
40,000	96	48		45.57	91.15
50,000	64	36		72.92	145.83
60,000	48	32		91.15	182.29
80,000	48	16		136.72	273.44
100,000	144	4		145.83	291.67

The above are some common format examples
* Note: Recording Time Depends on Memory Configuration, Resolution, Frame Rate and Image Bit Depth.

Recording Time (seconds) = [(Memory Configuration X 1024 X 1,000,000) / (Bytes/Frame)] / (Frames/Second)
Bytes/Frame= (Horizontal pixels X Vertical Pixels X Bit Depth/8)

Image Technology
The visible difference

NAC Deutschland GmbH
Hedelfingerstr. 54-70
70327 Stuttgart
Germany
Tel: +49 (0)711 2201 885
E-mail: rwestphal@nacinc.de
www.nacinc.eu