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HotShot 1280 cc

The Hotshot cc series from nit Americas incorporated:
The family of ruggedized, compact highspeed camera systems.

HotShot 1280 cc Features:

- **CMOS Sensor : 1280 X 1024 — all Active Pixels**
- **Reliable**
- **Easy-to-Use**
- **Bit Depth : 10-bit**
- **Electronic Shutter : OPEN to 2μsec**
- **Multiple Trigger Modes**
- **Synchronization: Internal and external sync recording**
- **Interface : Gigabit Ethernet**
- **Lens Mount : C-Mount, F-Mount with Adapter, AFG Mount avalable**
- **Compact Housing**
- **Ruggedized : Sealed camera core, uses no fans.**
- **Optional: LabView Driver**

The HotShot line of high-speed digital video cameras provides the user with rates, high resolutions and long record times... all in an extremely compact package!

The extremely reliable HotShot 1280 cc records brilliant color images or crisp monochrome images at 500 fps with resolutions up to 1280 x 1024 pixels.

The HotShot 1280 cc is a versatile, easy-to-use camera system, that provides affordably priced high-speed video solutions to a broad array of users. Camera applications include: biomechanics, general research and test, machine design, production line maintenance, packaging and many, many more!

When it comes to reliable, high-quality, high-speed camera systems, make the proven choice with nit Americas and you'll see the visible difference!

HotShot 1280 cc

Frame Rate/Resolution Table

HotShot 1280 cc		
Max Res (pixels)	1280 X 1024	
Optical Format	22.95 mm	
fps @ Max Res	500	
Gpix/ sec @ Max Res	.66	
	Mono	Color
ISO Rating	4,000	1,000
Memory Options	2GB, 4GB, 8GB, 16GB	
Max fps	100,000	

Imaging Formats	fps @ Format
1280 x 1024	500
1024 x 612	1,000
768 x 536	1,500
640 x 444	2,000
512 x 356	3,000
432 x 308	4,000
432 x 244	5,000
320 x 240	6,000
304 x 180	8,000
288 x 156	10,000
192 x 88	20,000

*Note: Recording Time Depends on Memory Configuation, Resolution, Frame and Image Bit Depth.

Recording Time (seconds) = [(Memory Configuration x 1024 x 1,000,000) / (Frames/Second)]

Resolution/Frame (Bytes) = (Horizontal pixels X Vertical Pixels X Bit Depth/8)

HotShot cc High Speed Camera Systems also Feature:

- Adjustable Frame Rates
- Fast Gig-E Interface
- Continuous Live Video Output
- Interface - Gigabit Ethernet
- Memory Segmentation
- Remote Control via PC
- Internal and External Sync Recording
- Trigger Switch - TTL, switch, open collector, rising or falling edge, on image content variation
- Lens Mount C-mount, F-Mount with adapter, AFG Mount available
- Optional -Lab View Driver
- Power 12 VDC/12 W
- Compact, Rugged Design - 1.1kg 145W x 95H x 78.5D(mm)
- Intuitive Capture and Control software
- Analysis Software for 2D tracking of velocity, acceleration and displacement.

Please Note: Specification described above are preliminary and subject to change.

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06.17.16