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## HotShot 2300 cc Features:

- CMOS Sensor : 2304 X 1720 — 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

# HotShot 2300 cc

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



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 2300 cc records brilliant color images or crisp monochrome images at 500 fps with resolutions up to 2304 x 1720 pixels. The HotShot 2300 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 2300 cc
## Frame Rate/Resolution Table

| HotShot 2300 cc | | |
|---|---|---|
| Max Res (pixels) | 2304 X 1720 | |
| Optical Format | 20.12 mm | |
| fps @ Max Res | 500 | |
| Gpix/ sec @ Max Res | 1.98 | |
| | | |
| | Mono | Color |
| ISO Rating | 800 | 150 |
| Memory Options | 2GB, 4GB, 8GB, 16GB | |
| Max fps | 100,000 | |

| Imaging Formats | fps @ Format |
|---|---|
| 2304 x 1720 | 500 |
| 1920 x 1080 | 800 |
| 2304 x 864 | 1,000 |
| 1280 x 720 | 1,000 |
| 2304 x 572 | 1,500 |
| 2304 x 428 | 2,000 |
| 2304 x 340 | 2,500 |
| 2304 x 168 | 5,000 |
| 2304 x 140 | 6,000 |
| 2304 x 80 | 10,000 |
| 2304 x 28 | 25,000 |

*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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