Faster and Brighter

One thing was too often true in High Speed Video: 'There's never enough light.' Now, truth has changed.

Compared to its sister models the MotionBLITZ® Cube3 is using an image sensor with up to six times higher sensitivity. At the same time this sensor runs 5 times faster - at full resolution. Cube3 still produces helpful images where other cameras record nothing but darkness.

Your value:
- 4 times the frame rate with the same light
- Better depth of field through smaller aperture
- Sharper images through faster shutter times

With its resolution of 512 x 512 pixels the MotionBLITZ® Cube3 lends itself particularly towards recording of smaller details.

The MotionBLITZ® Family

MotionBLITZ®
Cube1
Cube2
Cube3

MotionBLITZ®
Compact XP

MotionBLITZ®

ImageBLITZ® Self-Trigger

- No trigger devices required
- No waiting for an event – the Cube will see it
- Capture up to 16 events – to compare like strobe
- Learn from event history

Know More – Faster

- Visual analysis of dynamic behaviour in engineering, manufacturing, production, maintenance and nature
- Load, motion and resonance analysis
- Material test, crash test, quality assurance
- Explosion and ballistic studies
- Preventive and reactive maintenance
- Fluid processes
  Empirical medicine, sports, ergonomy, biology

Important Features

- High frame rate and resolution
- ImageBLITZ® and external trigger
- Event History Function with adjustable length
- ½ Hour unwired operation in trigger stand-by
- Setup and control via standard Notebook-PC
- Image export in .BMP or video in .AVI format
- Easy to operate under MotionBLITZ® Director for Windows™ 2000/XP
- Shock-proof HiG Version (100G)

Special Electronics
Image Processing
Digital SlowMotion

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Faster and Brighter

High Speed Camcorder MotionBLITZ® Cube3
Available Models

512 x 512 Pixels at 2500 Frames per Second
up to 120,000 Frames/Sec. at Reduced Resolution

Model Name		Recording Times Full Resolution - 2500 fps	ImageBLITZ®	HiG Version*
MotionBLITZ® Cube3-3E	Monochrome	3 Sec.	Yes	Yes
MotionBLITZ® Cube3-6E		6 Sec.	Yes	Yes
MotionBLITZ® Cube3-3EC	Color	3 Sec.	Yes	Yes
MotionBLITZ® Cube3-6EC		6 Sec.	Yes	Yes

* for ordering add 'H' to Model name

Specification:	
Maximal Resolution	512 x 512 Pixel
Recording Speed adjustable	40-2,500 fps* at max. resolution, up to 120,000 fps at reduced resolution
Shutter	Electronic full frame shutter: min. 1/250,000 sec. / 4 µsec. up to max. 1/frame rate
Lens Mount	C-Mount thread, optional: Nikon F-Mount bayonet using adapter
Operating Software	MotionBLITZ® Director for Windows™ 2000/XP
Export formats	BMP images, AVI videos
Image footer	256 characters per recorded sequence, appears on each frame
Camera Connections:	
Camera to PC	Gigabit Ethernet (GigE), compatible with 100/10 MBit Ethernet
Trigger	External TTL/12V/24V signal
Sync	TTL/12V/24V Master or Slave modes selectable
Analog Input	0 - 2,5 V (8-Bit ADC), digitally displayed per image
Digital Input	4-Bit TTL, incl. trigger, binary status per image
Technical Data:	
Dimensions	94x70x110 mm /3.7"x2.75"x4.3" (WxHxL)
Weight	980 g incl. battery, without lens
Temperature Range	+ 5....45°C
Power Supply	Ext. power supply 10,5 - 24 V DC or internal battery
Battery Capacity	Recording mode: approx. 30 min. Stand by: approx. 1 hr
*fps:	frames per second

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