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.

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)
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

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Recording Times</th>
<th>ImageBLITZ®</th>
<th>Hig Version*</th>
</tr>
</thead>
<tbody>
<tr>
<td>MotionBLITZ® Cube3-3E</td>
<td>Monochrome</td>
<td>3 Sec.</td>
<td>Yes</td>
</tr>
<tr>
<td>MotionBLITZ® Cube3-6E</td>
<td>Monochrome</td>
<td>6 Sec.</td>
<td>Yes</td>
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</tbody>
</table>

* 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