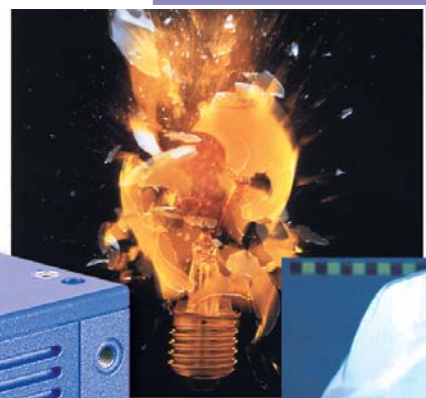


# SPEEDCAM visario LT400

## Image capture - speed it up

*The unique SpeedCam Visario LT 400 High-Speed Video Camera from Weinberger shows itself to be absolutely unique. Its intelligent system supports recording rates of up to 4,000 frames per second and accurately captures the fastest of occurrences at a resolution of 768 x 512 pixel. High-Speed-Insight for a clearer vision.*



### Thanks to the presence of:

- Ultra-modern CMOS technology, using an image format of 768 x 512 pixel
- High recording speed of up to 4'000 images/sec.
- High mechanical stability
- Smallest possible size and light weight
- Intuitive configuration and application software
- Exemplary modularity and expandability
- Easy upgrading for handling higher speeds and resolutions

The **SpeedCam Visario LT 400** presents a unique 'next generation' camera for high-resolution video recording of the fastest occurrences.

At the heart of this vision system ideally suited for high levels of acceleration, and vibration, lies the high resolution CMOS sensor, developed for the most demanding tasks. It sets new standards with regard to resolution, dynamics and noise reduction, and permits an absolutely true image reproduction.

Along with its optical and mechanical characteristics, the attractive **SpeedCam Visario LT 400** image acquisition system provides a convincing argument on the basis of its seamless integration with existing system environments.

The operating software VISART, developed for Windows 2000™, provides users with a very high degree of functionality and convenience.

### SpeedCam Visario LT 400 – revealing crucial moments.

- High resolution CMOS sensor with electronic shutter
- Intuitive software operation
- Exchangeable standard lenses (F-mount, C-mount etc.)
- Convenient network and software integration
- Windows 2000™
- Easy upgrading to the top-of-the-range model SpeedCam Visario 1500



**WEINBERGER**  
empowers your vision

# SPEEDCAM

## VISARIO LT400 – convincing arguments

### High-Speed Video Camera with CMOS Sensor

#### Optical parameters

- |                               |  |
|-------------------------------|--|
| <b>Sensor</b>                 | <ul style="list-style-type: none"><li>• High-speed APS CMOS sensor</li></ul>   |
| <b>Active sensor size</b>     | <ul style="list-style-type: none"><li>• 8.45 x 5.63 mm (W/H)</li></ul>   |
| <b>Active pixel size</b>      | <ul style="list-style-type: none"><li>• 11 µm square</li></ul>   |
| <b>Image format</b>           | <ul style="list-style-type: none"><li>• 768 x 512 pixel: up to 4'000 images/sec.</li></ul>   |
| <b>Shutter</b>                | <ul style="list-style-type: none"><li>• Electronic shutter down to 10 µsec.</li></ul>  |
| <b>Dynamic range</b>          | <ul style="list-style-type: none"><li>• Monochrome 10 bit, color depth up to 30 bit</li></ul>  |
| <b>Recording time</b>         | <ul style="list-style-type: none"><li>• Default 4 sec. with full resolution @ 1'000 images/sec.</li><li>• Optional 16 sec. with full resolution @ 1'000 images/sec.</li><li>• Longer recording time at lower resolution and/or speed</li></ul> |
| <b>Other optical features</b> | <ul style="list-style-type: none"><li>• No blooming</li><li>• No cross talk</li><li>• Optimized noise reduction on chip</li></ul>  |

#### System-Software and functionality

- |                             |   |
|-----------------------------|---|
| <b>Operating system</b>     | <ul style="list-style-type: none"><li>• Windows 2000™</li></ul>   |
| <b>System integration</b>   | <ul style="list-style-type: none"><li>• CORBA: open software interface for seamless integration into existing environments</li></ul>  |
| <b>System configuration</b> | <ul style="list-style-type: none"><li>• Easy to use graphical user interface</li><li>• Intuitive control of all parameters such as recording frequency, play back speed and archiving</li></ul> |
| <b>Trigger</b>              | <ul style="list-style-type: none"><li>• Various trigger options on camera, LinkBox and host PC</li></ul>  |
| <b>Synchronization</b>      | <ul style="list-style-type: none"><li>• System synchronization via host PC or external</li><li>• IRIG-B (optional)</li></ul>  |
| <b>Viewfinder</b>           | <ul style="list-style-type: none"><li>• Low light mode as a viewfinder function for setup purposes</li></ul>  |
| <b>Network integration</b>  | <ul style="list-style-type: none"><li>• 100 MB Ethernet interface standard</li></ul>  |

#### Electrical and mechanical features

- |                          |  |
|--------------------------|--|
| <b>Lenses</b>            | <ul style="list-style-type: none"><li>• Mounts for various standard lenses</li><li>• F-mount and C-mount are part of the scope of supply</li><li>• Other mounts on request</li></ul>   |
| <b>System design</b>     | <ul style="list-style-type: none"><li>• Modular and expandable concept consisting of camera, LinkBox and Win2000™ host PC</li><li>• LinkBox integration for multi-camera operation, extendable up to 115 meters between host and cameras</li></ul> |
| <b>Dimensions</b>        | <ul style="list-style-type: none"><li>• Camera: 80 x 102 x 170 mm (H/W/D) / 1.8 kg (3.1" x 4.1" x 6.7" / 4 lbs)</li></ul>  |
| <b>Temperature</b>       | <ul style="list-style-type: none"><li>• Operating temperature: -10 to 45 °C (15 to 110 °F)</li></ul>   |
| <b>Humidity</b>          | <ul style="list-style-type: none"><li>• 95% non condensing</li></ul>   |
| <b>Power supply</b>      | <ul style="list-style-type: none"><li>• Via LinkBox, LinkSplitter or host PC</li></ul>   |
| <b>Shock testing</b>     | <ul style="list-style-type: none"><li>• 100g / 25 msec. tested over 1000 cycles</li></ul>  |
| <b>Testing standards</b> | <ul style="list-style-type: none"><li>• Complies with CE as well as other international standards</li></ul>  |

All brand names are the sole property of the relevant proprietor

**Weinberger AG**  
Lerzenstrasse 8  
CH-8953 Dietikon  
Switzerland  
Tel. +41 (0)44 744 79 79  
Fax +41 (0)44 744 79 89  
sales@weinbergervision.com  
www.weinbergervision.com

**Weinberger Vision Technology Corp.**  
3210 Tri-Park Dr.  
Building #100, Suite 101  
Grand Blanc, MI 48439, USA  
Tel. +1 810 694 2793  
Fax +1 810 694 2795  
info@weinbergerusa.com  
www.weinbergerusa.com

**Weinberger Deutschland GmbH**  
Am Weichselgarten 3  
91058 Erlangen  
Germany  
Tel. +49 (0)9131-972 078-0  
Fax +49 (0)9131-972 078-10  
sales@weinbergervision.com  
www.weinbergervision.com

