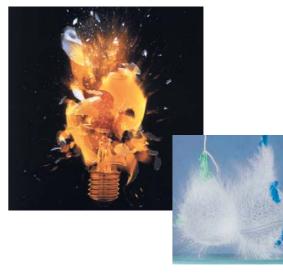# SPEED*CAM*
MiniVis ECO

GIGABIT
ETHERNET

High-Speed Video - as fast as easy

Based on the SpeedCam MiniVis, the versions MiniVis ECO-1 and ECO-2 offer a maximum of flexibility in resolution and speed. The sophisticated systems convince users with a maximum resolution of up to 1.280 x 1.024 pixels* and recording speeds of up to 32.000 frames per second*, with reduced resolution (*ECO-2): Really clever alternatives for all applications in the Non-Hi-G range.

Maximum performance - minimum effort

Light, compact, fast, self-contained, high-resolution: These are just a few of the attributes with which the **SpeedCam MiniVis ECO-1 and ECO-2** – the pioneering high-speed cameras from Weinberger – can be summed up. The **SpeedCam MiniVis ECO-1/ECO-2** combines several high performance features in an impressively small package. With the combination of pioneering technologies, unique system architecture, precision and the highest quality standards during production the **MiniVis ECO's** represent two new high-speed cameras that are unmatched!

Masterly Innovative

With **SpeedCam MiniVis ECO-1 / ECO-2** you obtain realistic insights into the fastest effects, explosive processes and unique events.

Recordings with the utmost reliability, high resolution and unequalled detail fidelity are assured in all fields of application, such as:

- Automotive crash testing (off-board)
- Analysis of moving machinery components
- Analysis of the fastest physical processes
- Ballistic analysis

Attractive performance features

With **SpeedCam MiniVis ECO-1/ECO-2** you can keep track of the fastest events — with the utmost of quality.

High-resolution
APS-CMOS sensor with up to 1.280 x 1.024 pixels at 500 frames/second (ECO-2); or 640 x 512 pixels at 1.000 frames/second (ECO-1)

Fast
Frame rate up to 32.000 frames/second (ECO-2)

Powerful memory
Recording times up to 6 seconds. Longer recording times at lower resolution or speed

Self-contained and flexible
Integrated batteries for autonomous operation without external power supply as well for storage of image sequences

Comfort and efficiency
Comfortable, intuitive operation by means of Visart control software

Lightweight
Smallest dimensions (3.7" x 2.8" x 4.2"/ 94 x 70 x 106 mm) and lowest weight (2 lbs./0.9 kg)

WEINBERGER
empowers your vision

SPEEDCAM
MiniVis ECO

convincing arguments

High-Speed Video Camera with CMOS Sensor

Model Types MiniVis ECO-1

Image format	• 640 x 512 pixels
Frame rates	• Up to 1.000 frames/second at full resolution • Adjustable frame rate and resolution
Recording time	• Standard 3 seconds • Optional 6 seconds • Longer recording times at lower resolution and/or speed
Sensor	• RGB color with BAYER filter • 8-bit monochrome

Model Types MiniVis ECO-2

Image formats	• 1.280 x 1.024 pixels
Frame rates	• 500 frames/second at full resolution • Up to 32.000 frames/second at reduced resolution • Adjustable frame rate and resolution
Recording time	• Standard 3 seconds • Optional 6 seconds • Longer recording times at lower resolution and/or speed
Sensor	• RGB color with BAYER filter • 8-bit monochrome

Technical Data

Sensor architecture	• Fast APS-CMOS Sensor
Shutter speed	• Global electronic shutter from 4µsec. to 1/frame
Lens mount	• Standard C-Mount, optional Nikon F-Mount with Adapter
Battery capacity	• Standby 1 hour, record mode 30 minutes
Power supply	• 8-24 V external supply, or from internal battery
Output formats supported	• AVI*, Quicktime, BMP, GIF, PNG, TIFF, JPEG, JPEG 2000
Dimensions (WxHxD)	• 94 x 70 x 106 mm / 3.7" x 2.8" x 4.2"
Weight	• 0,9 kg / 2 lbs. (incl. battery, excl. lens)
Temperature range	• +5 to +45 °C / 41 to 113 °F
Approval standards	• Complies with CE and other international standards

Interfaces and Network Integration

Network integration	• 1000/100/10BT Ethernet Interface (Gigabit Ethernet)
Trigger	• Trigger and Sync. input on camera
Sync.-Output	• TTL-Sync. output
Analog Input	• 0 - 2,5 V (8-Bit) (optional)
Digital Input	• 4-Bit (TTL) (optional)
Operating system	• Windows 2000/XP™
System configuration	• Network-compatible system concept which can be comfortably operated using a standard Windows PC (Notebook)

Weinberger maintains a policy of continual improvement and reserves the right to alter specifications without prior notice. *Basic version Visart for MiniVis supports only AVI format.

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