SPEEDCAM
MiniVis

High Speed Camera – revolutionary and innovative

*Compact in design and combined with unique features, the **SpeedCam MiniVis** high speed camera from Weinberger provides you with a synthesis of speed, size, weight and picture quality which has remained unmatched until now.*

*Created for demanding on-board applications, the features of the **SpeedCam MiniVis** provide a convincing argument which is unequalled in their combination. The features include a revolutionary video high-speed camera with a resolution of 1280 x 1024 pixels at 500 fps (frames per second), a total weight of just 1.1 kg (2.4 lbs), an integrated Gigabit Ethernet interface for high data transfer rates, as well as comprehensive Visart system software for simplicity of operation.*

A lightweight heavyweight

In the focus of events – thanks to the **SpeedCam MiniVis** – this is profitable reality for you today. Exceptional mechanical stability and an internal battery in the MiniVis camera head enables Hi-G, on-board operation of the highest standard. An integrated Gigabit Ethernet interface ensures fast transfer of high quality picture and picture sequence data. With the **SpeedCam MiniVis**, you will view events in a new light!

Software: Comfort and functionality

SpeedCam MiniVis supports all imaginable functions with the simple, user-friendly Visart system software.

To cater for every requirement, Visart software also allows different cameras from the SpeedCam family to be operated simultaneously, enabling the most suitable camera to be selected for each recording location. This form of seamless integration is unique and provides you with a valuable advantage.

Attractive features

With the **SpeedCam MiniVis** you can follow the fastest sequences – in highest quality

- Modern CMOS sensor with a frame format of 1280 x 1024 pixels at 500 fps (frames per second)
- Fast recording speed up to 32,000 fps
- Extremely compact dimensions (94 x 70 x 106 mm / 3.7" x 2.8" x 4.2") and lightweight (1.1 kg / 2.4 lbs)

- Electronic shutter as fast as 4 µsec
- Integrated battery for autonomous operation without an external power supply and for storage of the recorded frame sequences
- Comfortable network and system integration (incl. Gigabit Ethernet interface for rapid data transfer)
- Full synchronization with simultaneously operated cameras from the SpeedCam family
- Interchangeable Hi-G compatible lens (C-mount, etc.)
- MS-Windows 2000/XP™

WEINBERGER
empowers your vision

SPEED**CAM**
MiniVis convincing arguments

Video high-speed camera with CMOS sensor

Optical parameters

Sensor	• Fast APS-CMOS sensor
Sensitivity	• Color 200 ASA, monochrome 800 ASA
Frame format	• 1280 x 1024 pixel: ‹500 fps (frames per second)
	• 1280 x 512 pixel: ‹1,000 fps
	• At reduced resolution ‹32,000 fps
	• Free choice of resolution in x and y direction
Shutter	• Electronic shutter speeds as fast as 4 μsec.
Recording time	• Standard 3 sec. with full resolution and 500 fps
	• Optional 6 sec. with full resolution and 500 fps
	• Longer recording times possible with reduced resolution and /or speed
Further optical features	• No blooming
	• Bayer sensor
	• Noise optimized

System software and functionality

Operating system	• MS-Windows XP™
System configuration	• Intuitive, graphic operating software for easy control of all parameters, such as live-picture, recording and post-processing
Trigger	• Trigger input on the camera
Synchronization	• System synchronization on the camera as well as externally
Network integration	• 1000 / 100 /10 Ethernet interface (Gigabit Ethernet interface)

Electrical and mechanical properties

Lens	• C-mount
	• An adapter for various standard lenses is available as an optional accessory (e.g. F-mount)
System description	• Modular, expandable, network-compatible system concept which can be comfortably operated using a standard Windows PC (notebook)
	• Integration of several cameras possible (e.g. for on-board use)
Dimensions (WxHxD)	• Camera: 94 x 70 x 106 mm (3.7" x 2.8" x 4.2")
Weight	• 1.1 kg (2.4 lbs)
Power supply	• 8-24 V external supply, or from internal battery
Mechanical stability	• 100g/25 msec in all three axes
Approval standards	• Complies with CE and other international standards

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