Optronis

HIGH-SPEED VIDEO CAMERA

CamRecord 450

High speed camera

for many industrial

applications like

quality control and

engineering

▷ **1000 fps at full resolution**

▷ **High resolution 800 x 600**

▷ **Gigabit Ethernet interface**

▷ **Monochrome and color**

▷ **Up to 4 GB internal memory**

▷ **Easy to use software control**

HIGH-SPEED VIDEO CAMERA

Performance

Speed	Resolution (H x V)	Video Memory: /2GB Recording Time at max. Speed	Video Memory: /4GB Recording Time at max. Speed
1000 fps	800 x 600	4.4 sec	8.8 sec
2000 fps	400 x 300	8.8 sec	17.6 sec

Software Options

/SDK	Software development kit
/LAB	Labview driver

Specifications

Image Sensor	CMOS monochrome or color (Bayer Pattern)
Resolution	800 x 600 Pixel @ full resolution
Active Area / Pixel Size	9.6 mm x 7.2 mm / 12μm x 12μm
A/D Conversion / Dynamic	8 Bit (monochrome), 24 Bit (color) / 48 dB (typ.)
Trigger Signal	TTL, switch, open collector, rising or falling edge, on image content variation
Shutter / Efficiency	global electronic shutter, min. 1us exposure time / >99.9%
Software	CamControl for Windows 2000, XP and Vista
Output Format	BMP, TIFF, RAW, AVI (uncompressed and compressed), DivX, MPEG etc.
Synchronization	internal, external
Interface	Gigabit Ethernet (max. cable length 100 m)
Power	110 .. 240 V / 50..60 Hz (external AC/DC converter)
Lens Mount	C-mount, Nikon-F (optional)
Weight	1,7 kg (typ. without lens)
Environmental Conditons	Operating temperature 0 .. 40°C; humidity < 80% relative, non-condensed
Dimensions	221 mm (L) x 100 mm (W) x 131,5 mm (H) (without lens)

Included in product	User Software, Manual, Suitcase, Gigabit Ethernet Cable, Power Supply

CamRecord 450

221,3
31,5
97,3
100,0
90,0
62,5
10,0
All Maße
in mm
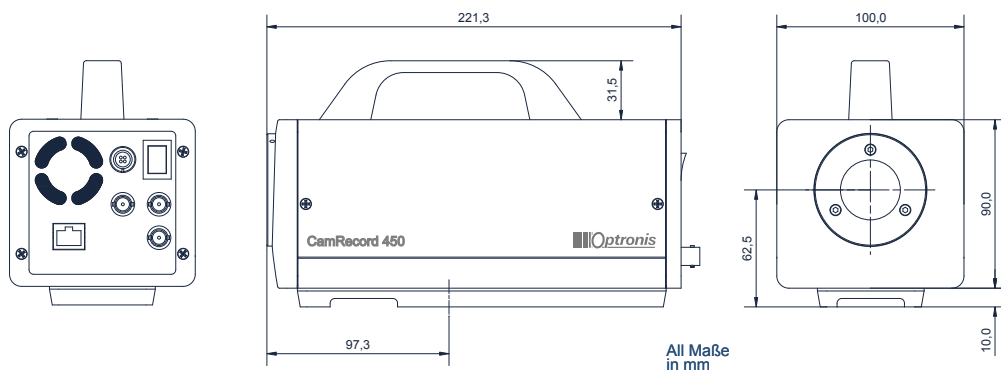
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