

# ALGE

TIMING



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THE SPORTS  
TIMING EXPERTS

Cross-Country Skiing



# TIMING DEVICES

## Photo Finish OPTIc3

The photo finish system OPTIc3 takes over the technical market leadership. It has a recording rate of up to 30,000 frames per second (fps) and up to 2,016 vertical pixels. This makes it the perfect timing device for any sport that relies on good photo finish images and accurate results.

Features such as 2-D images, autofocus, automatic iris adjustment, etc. make the system easy to use. The VoIP allows communication with the starter, and the timekeeper communicates without headset via microphone and speaker of the PC.



### Technical Facts:

vertical resolution:	up to 2,016 pixels
scan rate (fps):	up to 30,000 frames per second
recording time:	unlimited, depends on PC hardware
timing:	temperature compensated quartz oscillator TCXO, +/-0.06 ppm at 25 °C (0.0002 s/h)
power supply:	PoE+ or 9- 13.4 VDC
temperature range:	-20 °C to +50 °C

### Standard network

It is a simple way to connect almost every PC via Ethernet or WLAN.

### Automatic Iris Adjustment

With the motor zoom of ALGE-TIMING you can access functions such as autofocus and automatic iris adjustment.

### Live View

The camera image can be viewed via WiFi on a mobile phone or tablet. This allows to adjust the lens of an OPTIc3 camera that is

placed far away from a PC and has no motor zoom in an easy, fast and precise way.

### 2-D Image Adjustment

With the new 2-D image adjustment (maximum 2,016 x 360 pixels), you can accurately align the camera on the finish line in a very short time.

### High-Speed Camera with 2-D Images

With 2-D mode with 100 Hz (100 fps) and full-screen mode, the OPTIc3-PRO is ideal for sports such as swimming and rowing.

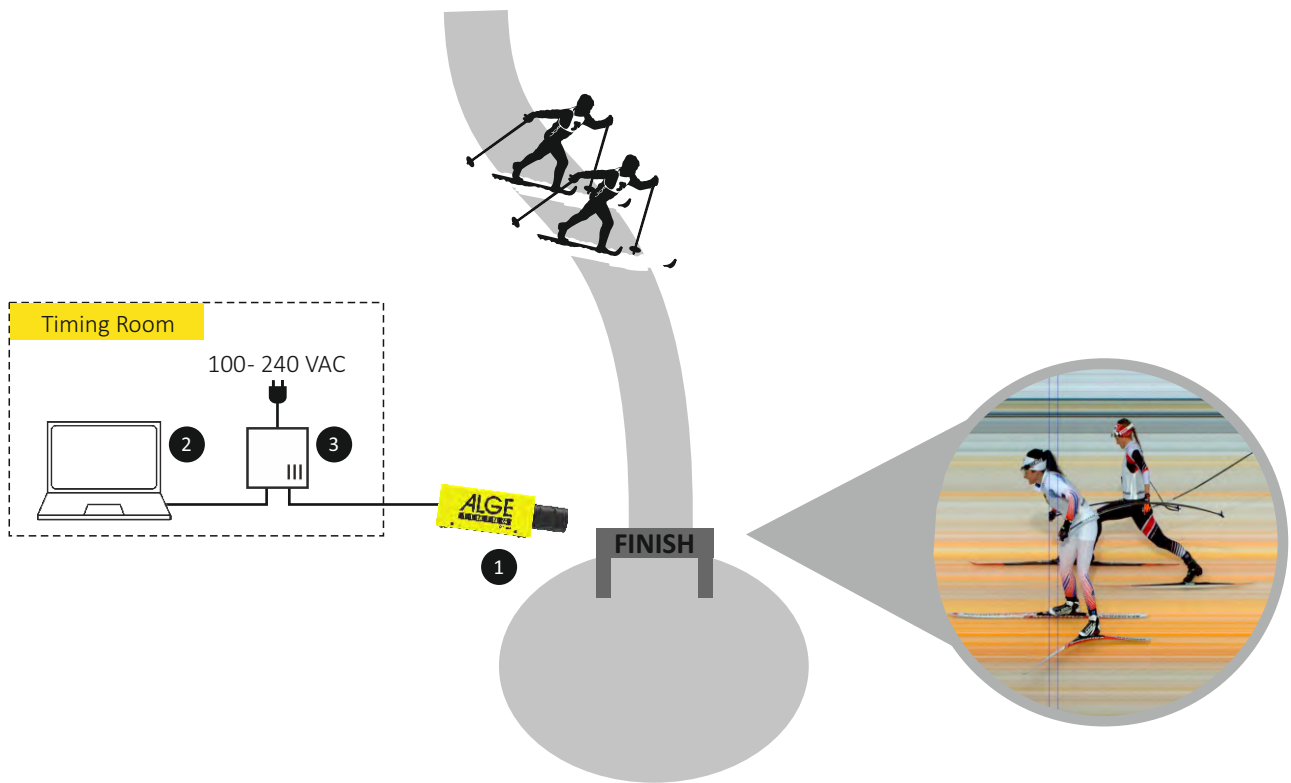
Since the OPTIc3 has a built-in timing device, exactly synchronized 100 frames per second can be guaranteed.

### PC Software

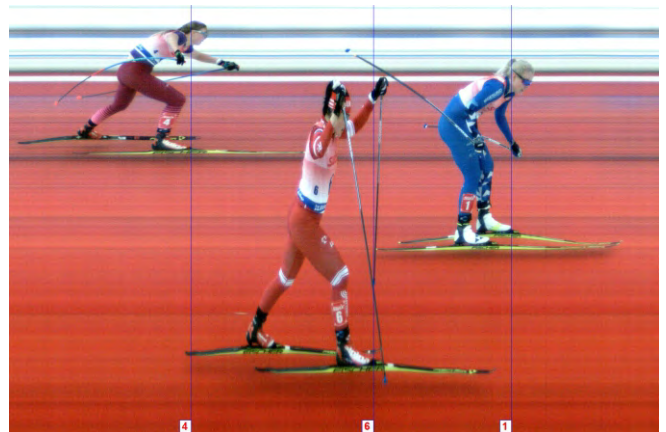
The modern, powerful evaluation software for the OPTIc3 enables quick and easy results. It is also possible to record on one PC and execute the evaluation on another. Following operating systems are supported: Windows 7, Windows 8.x, Windows 10, Windows 11 (x86 and x64).

# TIMING DEVICES

## Photo Finish OPTIc3



- 1 Photo Finish OPTIc3
- 2 PC for Photo Finish
- 3 PoE (Power over Ethernet)







### Technical Data

Range:	0.5 to over 25 meters (with reflector) 0 to over 150 meters (transmitter and receiver)
Impulse length:	20 to 2,000 ms can be set
Output:	NPN transistor, open collector, active low
Dimensions:	approx. 118 x 87 x 44mm
Weight:	approx. 0.3 kg
Operating time:	approx. 77 hours (PR1a) approx. 38 hours (PR1aW)



### Photocell Sets

#### Reflection Photocell PR1a-R

Reflection photocell with mounting bracket BBG and 10 m photocell cable 001-10  
Scope of delivery: 1 x PR1a, 1 x PR1a-REF, 2 x BBG, 1 x 001-10



#### Radio Reflection Photocell PR1aW-R as PR1a-R but with radio)

Scope of delivery: 1 x PR1a, 1 x PR1a-REF, 2 x BBG

#### Through-Beam Photocell PR1a-d

Consists of separate transmitter and receiver. The photocell beam is directed from transmitter direct to receiver (distance over 100 m possible);  
Scope of delivery: 2 x PR1a, 2 x BBG, 1 x 001-30 (30 m)



### Photocell Accessory:



#### Mounting Bracket BBG

chain holder for fixing the photocell or reflector to posts



#### Case KS-PR1

for photocells PR1a and PR1aW



#### Mounting Bracket B-S1

screw-on mounting bracket for mounting the photocell or the reflector



#### Case KL-PR1a

for the photocell and reflector including tripods TRI128



#### Mounting Bracket B-P40

Mounting bracket that can be mounted on poles with a diameter of up to 40 mm using screws, in order to mount the photocell or the reflector.



#### Reflector PR1a-REF

standard reflector for photocells PR1a and PR1aW