

ALGE OPTIC DIGITAL PHOTOFINISH



The PC-based **OPTIC** represents the next generation in photofinish technology ---
no more messy film & chemicals!

OVERVIEW

The **Alge OPTIC** is a PC-based color photofinish system that employs integrated evaluation software for image analysis & results processing. The full-color Line Scan Camera scans every movement on the finish lane in true color (24 bit, 16.7 million colors) and with a resolution of 1356 pixels. It stores the data on the hard disk of the computer. The stored image sequence becomes your "hardcopy" record of the entire competition. Integrated results software allows you to quickly print interim or final results, as well as maintaining a complete photographic record of all finish-line activity.

DESCRIPTION

- High picture quality in all light conditions due to state-of-the-art line scan sensor
- Onboard Temperature Compensated Crystal Oscillator (TCXO)
- Compatible with Windows 2000 and Windows XP
- Works with desktop & notebook PCs equipped with IEEE-1394A-OHCI compatible interface (Firewire)
- Unlimited recording time with suitable PC hardware
- High resolution, 2000 lines per second, up to 1356 pixel resolution
- Results evaluation is possible during capture
- Multiple open-race capability
- Automatic results appending for each evaluated competitor
- Adjustable recording speed between 100 and 2000 lines per second
- Adjustable precision (1/10 sec, 1/100 sec, 1/1000 sec, or 1/10.000 sec)
- Automatic Gain / Iris Control for varying light conditions
- Integrated results evaluation software
- Evaluation by lane, start number or manual control
- Prints start list, ranking list, and image
- Built-in speech amplifier circuit
- Automatic capturing via photocell-based trigger
- Use up to 100 m (325 ft) cable length between PC and camera
- Camera power supplied via the same Firewire cable as the data transfer
- Built-in connection for a display board
- RS232 interface for video output

SYSTEM INCLUDES:

- OPTI Distribution Box OCD1
- OPTIc line scan camera OCC1 with integrated telescopic sight
- Zoom lens (12.5-75 mm, f1:1.2)
- IEEE-1394 cable

MINIMUM PC REQUIREMENTS:

- Intel Pentium III, Athlon or faster
- 128 MB RAM or more
- X VGA Graphic Card, min. 8 MB RAM
- Monitor with min. 1024 x 768 resolution and True Color (24 bit)
- Min. 20 GB hard disk (recommend min. 60 GB, 7200 rpm)
- IEEE 1394-OHCI compatible interface (Firewire)
- Windows 2000 or Windows XP

ACCESSORIES & ADD-ONS

The OPTIc is available with the following options:

- **Through the lens (TTL) Viewer**
- **PC-controlled power zoom**
- **Hardshell weatherproof case**
- **Start microphone SM8**
- **Speech amplifier SV4**
- **Headset Q34 or HS-1D**
- **Photocell RLS1c or RLS3c**
- **PST Display Boards**
- **Windspeed Anemometer WS1 (Athletics)**
- **Display board for anemometer**
- **False Start System - Start Judge SJ**

MODELS AVAILABLE

The OPTIc is available in one model format only

COMPATIBILITY STATEMENT

This product is fully compatible with all existing **Alge & PST** products, including all PST displays.