

## accreditation

The **EtherLynx 2000™** range of Digital Photofinish products meets all the requirements of a Fully Automatic Timing System (F.A.T.) as defined by the IAAF, ISU, FISA, NCAA, TAC as well as many other national and international sporting organizations.

It is the system of choice at horse and dog racing venues around the world. In addition, since 1995 FinishLynx has been the official timing system of the **International Skating Union**.



## basic features

All **EtherLynx 2000** systems contain at least three components:

- ◆ **Computer**  
The computer displays the digitized image of the finish on a monitor.
- ◆ **Software.**  
FinishLynx32 Software.
- ◆ **Camera.**  
At least one EtherLynx 2000 Camera. When Non Timing cameras are networked with a Timing camera, all images will be time indexed. When Non Timing cameras are used as stand-alone cameras, the images produced will not be time indexed. There are 10 models of camera currently available:

Color Cameras (32k colors)	Timing Standard Resolution (1000 lines/sec @ 500 pixels)	Timing High Resolution (2000 lines/sec @ 1000 pixels)	Non Timing Standard Resolution (1000 lines/sec @ 500 pixels)	Non Timing High Resolution (2000 lines/sec @ 1000 pixels)	Timing Extended High Resolution (2000 lines/sec @ 1764 pixels)
Monochrome Cameras (256 grays)	Timing Standard Resolution (1000 lines/sec @ 500 pixels)	Timing High Resolution (2000 lines/sec @ 1000 pixels)	Non Timing Standard Resolution (1000 lines/sec @ 500 pixels)	Non Timing High Resolution (2000 lines/sec @ 1000 pixels)	Non Timing Extended High Resolution (2000 lines/sec @ 1764 pixels)

## advanced features

Depending on the system in use, and the events being timed, systems may also contain other items; these may include:

- ◆ Start Sensor
- ◆ Photoeye(s)
- ◆ Wind Gauge
- ◆ Internet connection
- ◆ Running Time Scoreboard Display(s)
- ◆ Results Scoreboard Display(s)
- ◆ Video Converter for TV broadcast (PAL/SECAM/NTSC)
- ◆ Uninterruptible Power Supply (U.P.S.)



## computer requirements

- Windows O.S.
- 96mb RAM (minimum)
- Ethernet card installed and TCP-IP Networking running.
- 16 BIT video mode (800x600 minimum).

## etherlynx software

- ~ Secure File System with enhanced file sharing permissions
- ~ Control up to 64 cameras simultaneously, mixing B/W and Color
- ~ Multiple Simultaneous Camera Views on-screen with TimeTrack
- ~ Native Virtual Memory for Continuous Imaging (unlimited maximum capture time)
- ~ User-configurable Pari-mutuel Specific Interface with Automatic Beaten Lengths Calculation
- ~ Real-Time Serial User Specified Scoreboard Interface for Running Time and Results
- ~ Generic Database Interface (Network, File or Serial based)
- ~ Manual or Automatic Lane Identification
- ~ Image/Results Printing with Automatic Start Indication
- ~ Intelligent Continuous Image Zoom and Rolling Scrolling
- ~ Live Video Mode for Accurate Camera Alignment
- ~ Contrast Post-Processing and Gamma Control
- ~ Start Logging Capability
- ~ Object Finder and Automatic Dead-Space Elimination
- ~ Available in most languages, including character-based languages.

## technical specifications

<b>Specification</b>	<b>EtherLynx</b>
<b>Acquired Image Height</b>	200 to 1764 pixels
<b>Line-Scan Rate</b>	100 to 2000 lines/sec.
<b>Maximum Time Resolution</b>	5/10000th of a second at any Image Height
<b>Maximum Pixel Rate</b>	2+M pixels/sec
<b>Image Type</b>	256 grays or 32K colors (optional)
<b>Exposure Control</b>	Manual or Automatic
<b>Standard Lens Mount</b>	C-mount
<b>Optional Lens Mounts</b>	F-mount with optional reflex viewer and optional remote iris control
<b>Standard Filter</b>	Infrared Cut (user removable)
<b>Minimum Lighting</b>	150lux at 1000 lines/sec
<b>Computer Interface</b>	Ethernet
<b>Connection to Computer</b>	Cat6 (10BaseT), RG-59 (10Base2), Thick Coax (10Base5), Fiber (10Base-FL)
<b>Max. Distance from Computer</b>	6500 ft. max. (2000m) using Fiber Optic Transceiver
<b>Remote Control Options</b>	Zoom, Focus, Iris, Pan, Tilt, Swivel
<b>Time Base Accuracy</b>	±1ppm from 0 - 50° C
<b>External Power Source</b>	90-264 VAC, 47-63Hz
<b>Dimensions (w/o lens)</b>	6.5"Wx4"Hx8"L (16.5x10x20cm)
<b>Weight (w/o lens)</b>	5 pounds (2.3kg)
<b>Cooling</b>	Forced Air
<b>Operating Temperature</b>	0 to 50° C
<b>Storage Temperature</b>	-25 to 80° C
<b>Approvals</b>	FCC, CE