

## Accreditation

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

It is the system of choice at sporting venues in over 150 countries around the world.



Camera shown with optional Remote Control Zoom lens and remote camera positioning platform

## Basic Features

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

- ◆ **Computer, FinishLynx Software, EtherLynx Camera**

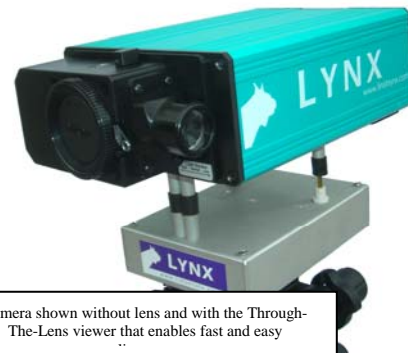
Note: When Non Timing cameras are networked with a Timing camera, all images will be time indexed. When Non Timing cameras are used as stand-alone cameras, the images produced will not be time indexed. There are 8 models of EtherLynx 2000+ camera currently available:

Color Cameras (2 million colors)	Timing Standard Resolution (1000 lines/sec @ 500 pixels)	Timing High Resolution (2000 lines/sec @ 1000 pixels) <i>*See EtherLynx Fusion Specs</i>	Non Timing Standard Resolution (1000 lines/sec @ 500 pixels)	Non Timing High Resolution (2000 lines/sec @ 1000 pixels) <i>*See EtherLynx Fusion Specs</i>
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)

## Advanced Features

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

- "C" or "F (Nikon)" lens mount options
- Optional remote lens and camera positioning hardware
- Start Sensor
- Photoeye(s)
- Wind Gauge
- Optional Wireless connectivity to FinishLynx Computer
- Optional Ability to accept Wireless start signals
- Running Time and Results Scoreboard Display(s)
- Scan Converter for TV broadcast (PAL/SECAM/NTSC)



Camera shown without lens and with the Through-The-Lens viewer that enables fast and easy ..

## FinishLynx Software

- Available in most languages, including character-based languages
- Native Virtual Memory for Continuous Imaging (unlimited maximum capture time)
- Simultaneous image Capture and Evaluation on same computer, or over a network.
- Secure File System with enhanced file sharing permissions
- Control multiple cameras simultaneously, mixing B/W and Color
- Multiple Simultaneous Camera Views on-screen with Time Tracking between cameras
- Generic Database Interface (Network, File or Serial based)
- Manual or Automatic Lane Identification
- Image/Results Printing with Automatic Start Indication

## FinishLynx Software (continued)

- 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

## Technical Specifications

	<i>EtherLynx 2000+</i>	<i>EtherLynx 2000+ (High Res)</i>
<b>Maximum-Frame Rate</b>	1000 f/s.	2000 f/s
<b>Maximum Image Height</b>	500 pixels	1000 pixels
<b>Typical Applications</b>	<ul style="list-style-type: none"> <li>• 800 f/s x 500 pixels Athletics distance races</li> <li>• 1000 f/s x 500 pixels Athletics sprints</li> </ul>	<ul style="list-style-type: none"> <li>• 1600 f/s x 1000 pixels Athletics distance races</li> <li>• 2000 f/s x 1000 pixels Athletics sprints/Cycling/ Skating</li> </ul>
<b>Time Base:</b>	1ppm Temperature Controlled Crystal Oscillator (-20° - 50°C)	
<b>Maximum Time Resolutions</b>	1/1,000 <sup>th</sup> second	5/10,000 <sup>th</sup> second
<b>Camera Options</b>	<i>(Base Model = Monochrome, Non-Timing)</i> <ul style="list-style-type: none"> <li>• Color,</li> <li>• Timing</li> </ul>	
<b>Start Signal Options:</b>	<ul style="list-style-type: none"> <li>• Normally Open wired sensor/switch closure</li> <li>• Normally Closed wired sensor/switch closure</li> <li>• Optional RadioLynx wireless start</li> </ul>	
<b>Sensor Type</b>	Three Line CCD - Smart Compensated	
<b>Electronic Digital Zoom</b>	4 x Wide	
<b>Image Type</b>	256 grays or 2 million colors (optional)	
<b>Electronic Exposure Control</b>	Manual or Automatic	
<b>Electronic Iris Control</b>	Remote or Automatic (with compatible lens)	
<b>Available Lens Mount</b>	C-mount or F-mount (Nikon style)	
<b>Through the Lens Viewer:</b>	Optional on F-mounts	
<b>Standard Filter</b>	3 stage (None, IR Cut, IR Cut with 4x ND)	
<b>Minimum Lighting</b>	150lux at 1000 lines/sec	
<b>Gamma Correction:</b>	Software	
<b>Image Compression:</b>	Real-Time Lossless. Typically >5x	
<b>Connection to Computer:</b>	<ul style="list-style-type: none"> <li>• 100Mbps Ethernet (802.3)</li> <li>• Optional Wireless Ethernet 11- 54Mbps Wi-Fi (802.11g)</li> </ul>	
<b>Remote Control Lens:</b>	Optional on C-mount (zoom/focus/iris) or F-mount (iris only)	
<b>Remote Camera Positioner:</b>	Optional on all models	
<b>Power Input:</b>	12VDC or 100-240VAC with included adaptor	
<b>Approvals</b>	FCC, CE	
<b>Camera Body Dimensions;</b>	20cm x 7.5cm x 15cm	
<b>Camera Body Weight (Excluding Lens):</b>	2.8kg	