# **EtherLynx Vision Color Photo Finish Camera with EasyAlign**™ **Mode**

EtherLynx Vision cameras represent the sixth generation of the internationally renowned EtherLynx series. First introduced in 1996, EtherLynx cameras quickly became the gold standard in photofinish, and the Lynx tradition of innovation continues to this day. The EtherLynx Vision seamlessly blends ease-of-use features, with cutting-edge innovation, such as the patent-pending LuxBoost feature for amplifying available light.

All Vision cameras communicate with the timing computers running FinishLynx software using standard 10/100/1000 Mbps 802.3 Ethernet topology, with Power-over-Ethernet (PoE) functionality.

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|  | **EasyAlign** - Full-frame video mode makes camera alignment easier than ever. |  |  | **Power-Over-Ethernet** - All Vision cameras can draw power via the Ethernet cable. |
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|  | **Full-Color** - **All**Vision cameras come standard with the ability to capture color images. |  |  | **Gigabit Transfers** - The first EtherLynx camera to allow for Gigabit Ethernet transfers (1,000 Mbps). |
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|  | **Silent Operation** - The Vision runs silently thanks to reduced power consumption and no fans. |  |  | **Advanced Power Control** - New power controls ensure the best power source in each situation.  |
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|  | **Backwards Compatible** - The Vision is compatible with **all** Lynx cameras made since 1996.  |  |  | **Onboard Level** **[Upgrade]** - Monitor the camera's level and orientation directly from FinishLynx. |
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|  | **LuxBoost**™ **[Upgrade]** - Amplifies available light for better race images in low-light conditions. |  |  | **Electronic Filter Control** **[Upgrade]** - Users can enable/disable low-light filters from FinishLynx. |
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|  | **High-Resolution** **[Upgrade]** – Provides captures up to **2,000** fps with up to **1,280** pixels of height. |  |  | **Internal Battery Backup** **[Upgrade]** - Battery pack allows the camera to withstand power loss. |

# EasyAlign 2-D Video Camera Alignment

**EasyAlign™** gives you a clear full-frame live video view of your finish line area allowing you to align the camera quickly and accurately.

Position your camera, align it precisely on the finish line, and then switch to full line-scan photo finish mode.

**EasyAlign!**

EtherLynx Vision cameras offer EasyAlign full-frame video alignment mode. EasyAlign displays a live, full-frame video preview of the camera's field-of-view on your computer screen. The 2-D preview also overlays two thin lines (vertical and horizontal) so the camera can be adjusted visually to ensure precise alignment on the finish line. Once aligned, just switch the camera back to 1-D capture mode for accurate, photo-finish results images.

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**EasyAlign!**

With traditional 1-D align mode still available at the click of an icon (to confirm precision alignment) this new 2-D video mode makes it extremely fast and easy to align the camera for accurate results.

# Vision Hardware Specifications

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| **Item** | **Specification** |
| **Acquisition Rate** | 100 – 1,000 frames per second; 2,000 with High-Resolution option |
| **Pixels (vertical)** | 640; 1280 with High Resolution Option |
| **Distance Camera to Computer** | 100m Cat 5/6, 2,000m Fiber Optic (with converter) |
| **PC-connection** | 10/100/1000Mbit/s 802.3 Ethernet Topology |
| **#colors/pixel** | Up to 21bit – 2 million colors (user adjustable) |
| **Sensor Type** | CMOS Array |
| **Vertical Pixel Adjustment** | Continuously adjustable |
| **Frame Rate Adjustment** | Continuously Adjustable |
| **Time Base**  | 1 Part Per Million (.001s per 16.7 min) - Temp. Compensating |
| **Lens Mount** | CS Mount (C-Mount with adaptor) |
| **Camera Alignment Aids** | EasyAlign ™ full video image preview |
| **Remote Lens Option** | Yes |
| **Remote Alignment Option** | Yes |
| **Light Sensitivity** | High – Extreme low-light capability with optional LuxBoost™ |
| **Switchable IR Filter** | Optional - Electronically Controlled 2 stage |
| **Digital Zoom** | Optional 2x |
| **Gamma Control** | Software |
| **Image Compression** | Real-time Lossless |
| **Built-In Battery Backup** | Optional  |
| **Start Signal Options** | * Manual Start
* Normally Open wired sensor/switch closure
* Normally Closed wired sensor/switch closure
* Optional RadioLynx wireless start
 |
| **Power Input** | POE, internal rechargeable batteries, 100-240 VAC with Adaptor, or optional 12v DC input |
| **Operating Temperature** | 0° - 60°C |
| **Control multiple cameras from 1 computer**  | Yes |
| **Mix and Match Camera Models**  | Yes |
| **Auto-Iris (in addition to Auto-Gain)**  | Yes |
| **"Hot-swap" instant replacement guarantee** | Yes. Applies to in-warranty cameras |
| **Approvals** | UL and CE |
| **Camera Body Dimensions** | 15.7cm x 7.5cm x 15.5cm |
| **Camera Body Weight (Excluding Lens)** | 1.4Kg |

# FinishLynx Software Features

* Selectable User Interface Language
* Evaluate image while race still in progress
* Allows multiple events to be active simultaneously
* Apply missed starts
* Interface to Meet Manager
* Optional Automatic Capture capability
* Optional Software Photocell function
* User Configurable Screen Layout
* Optional IP-network connection to serial devices
* User-scriptable scoreboard interface
* Optional Interface to RFID transponders/pushbutton timers for split timing