
# SCAN'O'VISION MYRIA CAMERA

## OVERVIEW

This new photofinish camera system measures in a thousands of a seconds the times at the finish line. It is designed to accommodate a wide range of sports, including athletics, horse racing, greyhounds, rowing, cycling, or speed skating among others. It takes up to 10'000 shots per second at a high resolution of 2048 pixels vertical line, and the corresponding time is displayed on each picture.

The high sensitivity of the sensors allows the MYRIA camera to work in poor light conditions. High quality images allow direct export to both print and electronic media. The camera is powered by the Ethernet cable (Power over Ethernet) which transmit also image from camera to computer. An integrated digital inclinometer provides help with the camera positioning. The included lens (10x or 16x optical zoom) is fully remote controlled (focus, iris and zoom), and allows a weatherproof housing.

The exclusive patented Spatial Alignment system allows the camera to be easily aligned on any finish line. Coupled to a very precise digital inclinometer, it is possible to align several cameras exactly on the same finish line within minutes.

With optional accessories, it is possible to connect the system to peripheral devices such as scoreboards, data handling computers, wind measurements and false start control devices and HD front camera.


Design of Scan'O'Vision MYRIA camera.

## TOP FEATURES

### SPATIAL ALIGNMENT

The Scan'O'Vision MYRIA camera needs to be precisely aligned on the finish line in order to be reliable. The manual alignment requires time and experience and can be complicated on finish lines without a distinctive difference of colour (ex. for horse racing or rowing). The exclusive and patented Spatial Alignment System allows an easy and precise alignment of the camera on any finish line by providing a video image (matrix mode) instead of the thin scan line which is only 1 pixel wide. Simply superpose the vertical landmark line on the finish line. Fine adjustment can be done by software by selecting another acquisition column (no need to move the camera).

## MYRIA - SPECIFICITIES

- High resolution (2048 pixels) with all acquisition speeds (up to 10'000 i/s).
- 2D image (matrix) to easily align the camera, with the possibility of making the final alignment by software (without moving the camera).
- Integrated lens, fully remote controlled for weather protection (IP55). Two zoom variants (10x or 16x) optimized for all frequent camera positions (from the camera at the edge of the track to the camera positioned at the top of the grandstand stand).
- Possibility of fixing the camera from below or above (ceiling fixing facilitated).
- Very accurate time base (0.1PPM) regardless of temperature.
- One cable for camera control, image transmission and power over Ethernet.
- Super-accurate indication of the verticality of the sensor regardless of the inclination of the camera (2D inclinometer).
- Possibility of modifying the speed of acquisition during the recording (high speed for arrivals in sprint then reduction possible for the arrival of the bunch to cycling road for example).
- Template generator for customized distribution of results and images.
- Automatic control of the HD Front Camera (Scaider) for recording and judgment.
- Calculation of the gap in length of horses (user-configurable).
- Calculation of kilometric reduction (for trotting)
- In judgment, simultaneous display of a thumbnail of the race, the main image and a zoom at the desired location. (see example below*)
- Live image display in race mode (even when not recording) in order to allow manual or automatic image quality adjustment in case of light's condition change.

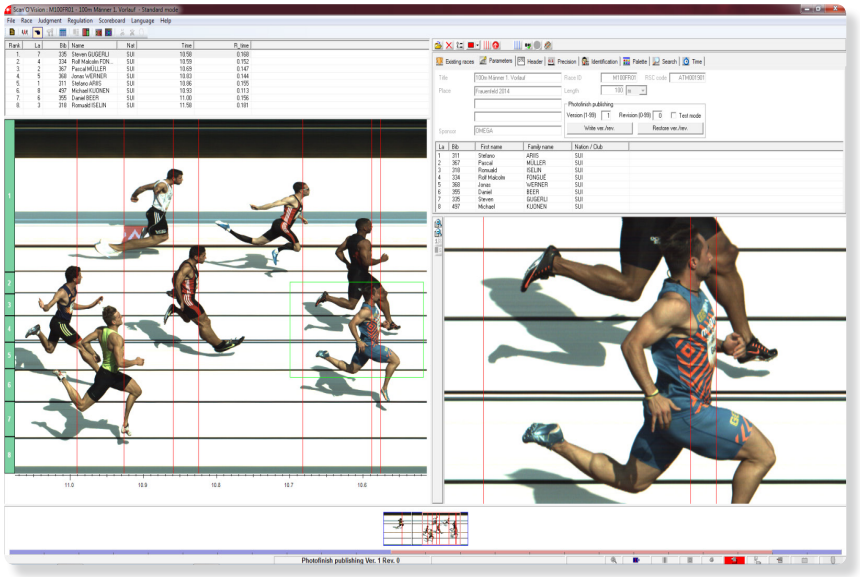
## TECHNICAL SPECIFICATIONS

- Acquisition speed:
  MYRIA 500 to 2'000 images/sec
  MYRIA PRO 500 to 10'000 images/sec
- High Resolution: 2048 pixels (at any speed)
- Nbr. of colours per pixel: >16 millions
- Time base precision: +/-0.1ppm (oven-controlled)
- Max. distance between camera and computer: 100m (Cat 5e Ethernet cable)
- Temperatures: 0 ~ +50°C (working) -20 ~ +70°C (storage)
- Protection: IP55
- Camera dimension: 415 x 270 x 143mm (LxWxH)

| | MYRIA 10 | MYRIA 16 |
|---|---|---|
| Camera weight: | 3.6kg | 4.5kg |
| Lens included in camera housing: | | |
| Zoom ratio: | 10x | 16x |
| Field angle: | 6.5° ~ 58.8° | 4.2° ~ 61.3° |
| Max. aperture: | F1.4 | F1.8 |
| Remote control: | Zoom, Focus & Aperture | |

## OPTIONS

- Carrying case.
- Extension length of Ethernet cable up to 200m.
- Fiber optic for camera - computer distances up to 10km.
- Bridge to be able to connect start & finish contact in the timing room instead of on the camera.
- Clamp for camera mounting on tube or other.
- Tripod.
- Connection to various scoreboards, management system, windmeter...
- HD Frontcamera (Scaider).





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