

ERGONOMICS. TRAINING.  
SYNTHETIC ENVIRONMENTS.  
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SIMULATION. VISUALIZATION.

VICON



# BONITA

SMALL AND POWERFUL  
OPTICAL CAPTURE CAMERA.  
SIZE. PERFORMANCE. RELIABILITY.

TWENTY FIVE YEARS OF INNOVATION

# BONITA

WELCOME TO BONITA. VICON'S SMALL OPTICAL CAMERA RELIABLY STREAMS PRECISE MOTION OF PEOPLE, ANIMALS, AND MACHINES. BUILDING ON MORE THAN 25 YEARS OF INNOVATION, BONITA IS VICON'S NEXT GENERATION MOTION CAPTURE CAMERA. **SMALL. POWERFUL. ACCURATE. RELIABLE. AFFORDABLE.**

## FAST

With capture speeds of 240FPS Bonita easily captures the movements of slow and fast moving objects. Like the tried and tested T-Series range, Bonita uses Gigabit Ethernet, maximizing the bandwidth of the marker data streaming into Vicon software.

## MOUNT ANYWHERE

Small. Petite. Compact. Solid. The beauty of Bonita is you really can mount them anywhere from the footwell of a car to complex CAVE environments while still maintaining performance. Two industry standard tripod mounts provide the flexibility to mount Bonita cameras at almost any angle.

## FLEXIBLE

With its small size and single cable Ethernet connection, a Bonita optical capture system is much less intrusive than inertial systems and you can rely on accurate positional data every time. There's no need to worry about cables getting in the way or damaging expensive active markers. Not only that, Bonita's variable focal length lens enables you to optimize your set up, big or small, in a variety of environments.

## PLUG AND PLAY

Some motion capture systems have a reputation for being hard to set up. Not with Bonita. Just like the T-Series Bonita has a single cable to provide power so it's super easy to set up. A PoE (power over Ethernet) connection to the PC via an off the shelf Ethernet switch enables you to configure and connect your system incredibly quick. Calibrate and start streaming data in less than 2 minutes.

## ACCURATE

Bonita captures with positional accuracy down to 1mm in a 4m x 4m volume. Not only that, the smaller your volume the more accurately it captures data, down to sub-millimeter.

## POWERFUL

Outperforming other cameras in its class, the Bonita strobe contains 68 LEDs which illuminate the markers in your capture volume more effectively at a distance giving you the quality data you need.

# 240FPS



# BONITA SPECIFICATIONS

VICON

Frame Rate: 240Hz  
Maximum Shutter Time: 0.5ms  
Resolution: 0.3 megapixel (640 x 480)  
Camera output mode: Grayscale  
Interface: Gigabit Ethernet, RJ45 connection  
Mounting: 2 \* Standard tripod 1/4"-20 thread  
System latency: 2ms  
Accuracy: sub millimeter, depending on distance to the marker and size  
Operating Range: 12m  
Strobe: NIR @ 780nm, 68 high powered surface mount LEDs, 56 degree FOV, adjustable brightness  
Lens: 4 -12mm field of view  
Power: 15W PoE conforming to IEEE 802.3af  
Dimensions: 122mm deep x 80mm high x 79mm wide

## Lens Specification

Focal Length	4-12mm
Iris Range	F/1.4-CLOSE
Mount	Std C Mount
Angle of View	Wide 93.7° x 68.9° Narrow 31.2° x 23.4°
Focusing Range	0.3m - inf

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