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

TWENTY FIVE YEARS OF INNOVATION
**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. Pliable. Compact. Solid. The beauty of Bonita is you really can mount them anywhere from the footwell of a car to complex CAGE environments while still maintaining performance. Two industry standard tripod mounts provide the flexibility to mount Bonita cameras at almost any angle.

**ECONOMICAL.**
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 of 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 volumes the more accurately it captures data, down to sub millimeter.

**VERSATILE.**
Outperforming other cameras in its class, the Bonita strobe contains 48 LEDs which illuminate the markers in your capture volume more effectively at a distance giving you the quality data you need.
BONITA
SPECIFICATIONS

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 ¼”-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

<table>
<thead>
<tr>
<th>Focal Length</th>
<th>4-12mm</th>
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</thead>
<tbody>
<tr>
<td>Iris Range</td>
<td>F/1.4-CLOSE</td>
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<tr>
<td>Mount</td>
<td>Std C Mount</td>
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<tr>
<td>Angle of View</td>
<td>Wide 93.7° x 68.9°</td>
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<tr>
<td></td>
<td>Narrow 31.2° x 23.4°</td>
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<tr>
<td>Focusing Range</td>
<td>0.3m - inf</td>
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