



# BONITA SIZE.PERFORMANCE.RELIABILITY.

WELCOME TO BONITA. VICON'S SMALL OPTICAL CAMERA FAMILY RELIABLY STREAMS THE PRECISE MOTION OF MARKERS, WHETHER THEY ARE ATTACHED TO PEOPLE, ANIMALS OR MACHINES. BUILDING ON OVER 30 YEARS OF INNOVATION, BONITA'S SPEED, FLEXIBILITY AND AFFORDABILITY REDEFINE THE POSSIBILITIES OF MOTION CAPTURE. SMALL. POWERFUL. ACCURATE. RELIABLE. AFFORDABLE.

#### SOLUTION

ERGONOMICS. TRAINING. INJURY PREVENTION. SYNTHETIC ENVIRONMENTS. STATIC FACIAL CAPTURE. IMMERSIVE REALITY. VIRTUAL PROTOTYPING. SIMULATION. VISUALIZATION. ANIMATION. GAIT ANALYSIS. SPORTS BIOMECHANICS. ANIMAL STUDIES. REHABILITATION. VIRTUAL CAMERA TRACKING.

#### ACCURATE

With its high resolution, quality optics and sophisticated algorithms, Bonita's new 1 megapixel camera, the Bonita 10, captures with positional accuracy down to 0.5mm in a 4m x 4m volume.

#### AFFORDABLE

You don't have to choose between performance and price with the new Bonita family. With complete systems starting at \$10,000 / £7,500, Bonita could change your idea of motion capture.

#### FAST

Capture speeds of up to 250 fps with the Bonita 10 and 240 fps with the Bonita 3, means you can easily and accurately capture the movements of fast moving objects.

#### FLEXIBLE

The beauty of the compact Bonita camera is you can mount them anywhere. With its

variable focal length lens and single cable Ethernet connection, it's easy to optimize your set up. From the footwell of a car, to a complex virtual reality CAVE environment, you won't lose performance with Bonita.

#### PLUG AND PLAY

Some motion capture systems have a reputation for being hard to set up. Not with Bonita. Just like its big brother T-Series, Bonita uses a single cable to provide everything it needs – power, data and synchronisation. Calibrate and start streaming data in less than 2 minutes.

## SPECIFICATIONS

Specification	Bonita 3	Bonita 10
Frame Rate	240 fps	250 fps
Maximum Shutter Time	0.5ms	0.5ms
Resolution	0.3 megapixel (640 x 480)	1 megapixel (1024 x 1024)
Camera output mode	Grayscale	Grayscale
Interface	Gigabit Ethernet, RJ45	Gigabit Ethernet, RJ45
Mounting	2 x Standard tripod 1/4"	2 x Standard tripod 1/4"
System latency	2ms	2ms
Accuracy	1mm	0.5mm
Operating Range	Wide (4mm lens) up to 8m Narrow (12mm lens) up to 12m	Wide (4mm lens) up to 10m Narrow (12mm lens) up to 13.5m
Strobe	NIR @ 780nm, 68 high powered LEDs, adjustable brightness	NIR @ 780nm, 68 high powered LEDs, adjustable brightness
Power	15W PoE conforming to IEEE 802.3af	15W PoE conforming to IEEE 802.3af
Dimensions	122mm deep x 80mm high x 79mm wide	122mm deep x 80mm high x 79mm wide

Lens Specification	Bonita 3	Bonita 10
Focal Length	4 - 12mm	4 - 12mm
Iris Range	F/1.4-CLOSE	F/1.4-CLOSE
Mount	Std C Mount	Std C Mount
Angle of View	Wide 82.7° x 66.85° Narrow 32.7° x 24.81°	Wide 70.29° x 70.29° Narrow 26.41° x 26.41°
Focusing Range	0.3m - inf	0.3m - inf



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