



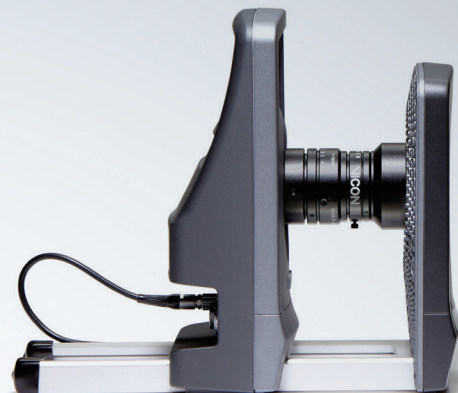
T-Series

Precise. Fast. Powerful.

Pioneering motion capture since 1984.

T-Series

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Specifications

All T-Series Range

Frame Rate Range	30 - 2000 fps
Outdoor Capable	Yes
Shutter Type	Electronic freeze frame shutter
Compatibility	Bonita Optical B3 & B10 Bonita Video

T160

Resolution	16 megapixel (4704 x 3456)
Frame Rate at Full Resolution	120 fps

T40S

Resolution	4 megapixel (2336 x 1728)
Frame Rate at Full Resolution	515 fps

T20S

Resolution	2 megapixel (1600 x 1280)
Frame Rate at Full Resolution	690 fps

T10S

Resolution	1 megapixel (1120 x 887)
Frame Rate at Full Resolution	1000 fps

T10

Resolution	1 megapixel (1120 x 896)
Frame Rate at Full Resolution	250 fps

Designed and driven by flexibility, accuracy, and industry-leading resolution, Vicon T-Series and T-Series S Edition allow you to capture any object in almost any environment.

Accurate

From capturing the smallest details with the T160 to the fastest movements with the T10S, the T-Series range has a camera to fit your needs.

Vicon cameras use every pixel of grayscale information to locate the marker's 2D center and calculate its radius - not just edge grayscale information. By using every pixel, Vicon cameras fit a circle more precisely around the marker image significantly improving system accuracy.

Flexible

It's no secret that T-Series cameras can be used anywhere. Capturing data outdoors gives patients, athletes or actors the freedom to walk, bowl or fight in a natural environment.

T-Series strobes give an even spread of light across the capture volume, which means the cameras are less susceptible to uncontrollable ambient lighting in your studio, laboratory or outside. Our custom strobe LEDs have three different angles

of view, giving optimum performance with a wide range of lenses. This makes set-up simple and smaller markers in large volumes can be easily identified, which is useful whether you're capturing markers on the face and hands or on insects.

Along with the Avalon and Vegas-S sensors, Vicon has custom-built several lenses for motion capture. Off-the-shelf C-Mount lenses have limited resolving power; this is especially true with small markers. To combat this, the Vicon lens was designed and built with a high resolving power.

Powerful

Gigabit Ethernet makes the T-Series 10 times faster than previous Vicon cameras. This increase in bandwidth means more frames, more cameras and more markers can be seen than ever before.

By sending additional 2D tracking information to your PC, high quality 3D data can be extracted in a way not possible with any other motion capture camera, improving reconstruction and labeling. This is especially helpful when markers are moving fast or undergoing extreme changes in velocity such as sports moves or impact tests in vehicle manufacturing.

No matter how much data you need to capture, T-Series won't slow you down.

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