

VANTAGE+
THE BEST JUST GOT BETTER

**THE ORIGINAL
INDUSTRY
LEADING MOTION
CAPTURE CAMERA**



NICON VANTAGE+

www.vicon.com/vantage

INTELLIGENCE EVOLVED

For half a decade Vantage has been the world's leading motion capture camera, offering advanced technology, intelligent controls and intuitive design. For Vicon, however, development doesn't stop when the product ships. We're constantly listening to our users and finding untapped potential in Vicon hardware.

Vicon engineers continue to innovate with our technology, evolving Vantage's capabilities and transforming the way our community does motion capture.

Vantage+ is the latest stride in our flagship camera's journey, bringing new levels of speed and flexibility to every single Vantage camera, pushing the limits of our hardware even further.

ADD POWER
ADD INTELLIGENCE
ADD VANTAGE



VANTAGE RANGE TECH SPEC

	V5	V8	V16
RES (MP)	5	8	16
Max Frame Rate (Hz)	420 @ 5MP	260 @ 8MP	120 @ 16MP
Max Frame Rate	2000 @ 1MP 1000 @ 2MP	2000 @ 1MP 1000 @ 2MP	2000 @ 1MP 1000 @ 2MP
Min Standard FOV	48.2 x 41.2	61.7 x 47	54.7
Min Wide FOV	63.5 x 55.1	47.3	76.4 x 76.4

FREE YOURSELF FROM THE CAPTURE PC.

Vicon's Control app saves you time during the camera setup and enables you to capture with its simple, intuitive interface. Change camera settings, calibrate the system and start or stop capture all from the palm of your hand.

THE POWER TO CAPTURE IS IN YOUR HANDS.

Onboard sensors, LEDs and a digital display are intelligently combined to provide you with up-to-the-minute system status and feedback on the fly, so you can capture your data with the peace of mind that everything is as it should be.

YOU CAN DO MORE WITH VANTAGE.

The most powerful processing algorithms and electronics, combined with industry-leading tracking and data fidelity, mean Vantage provides market-leading motion capture solutions. Advances in Vicon's technology IP allow Vantage to hit resolution and speed sweet spots that make it truly unique.

VANTAGE+

WITH VANTAGE+ EVERY SINGLE VANTAGE CAMERA TAKES ANOTHER LEAP FORWARD, GIVING USERS ENHANCED SPEED AND FLEXIBILITY.

This upgrade to all Vantage hardware offers three ways to increase camera speeds, giving you the flexibility to capture at the speed you want in the way you want, all with your existing set-up.

For users capturing high velocity subjects such as athletes and drones, Vantage+ opens up new possibilities when it comes to tracking at extreme speeds.

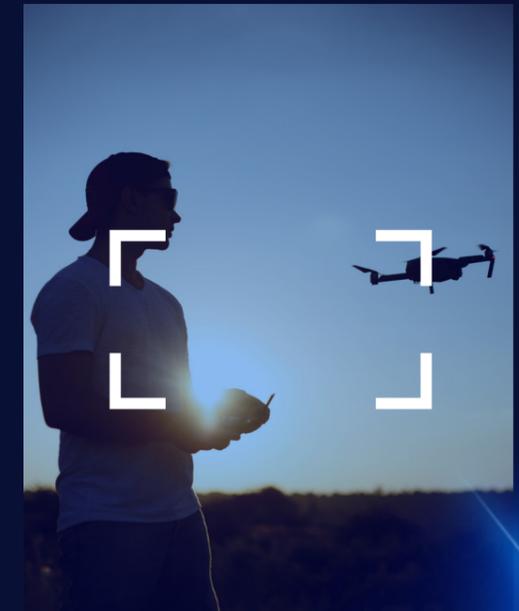
Vantage+ gives you the flexibility to capture at the speeds you need using the method that works best for you.

Vantage+ doesn't require an equipment upgrade. It's the product of a camera so ahead of the curve that our engineers are still finding untapped potential in its hardware. Simply download the latest free firmware update to unlock new levels of performance.



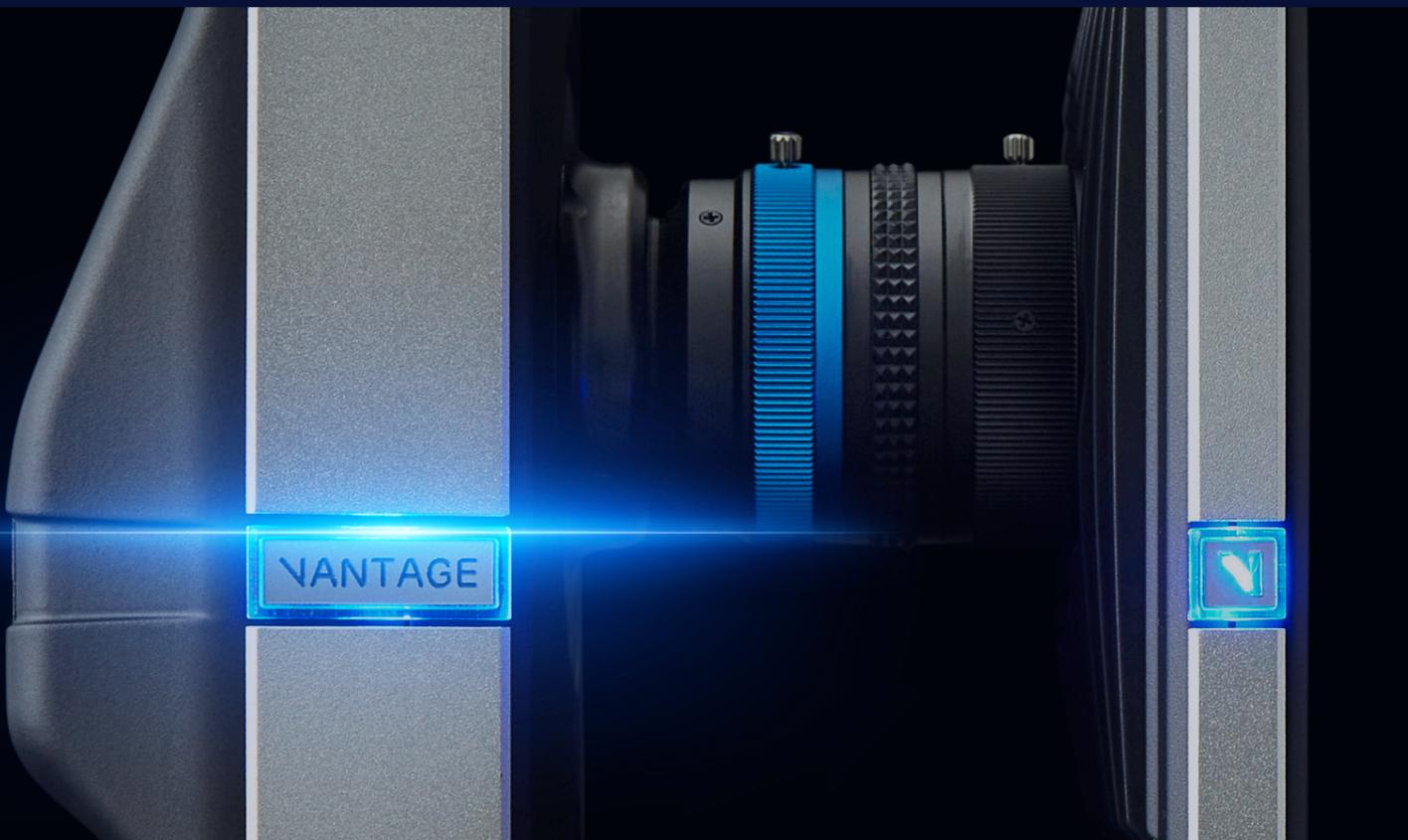
HIGH SPEED MODE

Our new Vantage+ High Speed Mode allows users to capture fast-moving subjects at higher frame rates, without sacrificing field of view (FOV), by selectively reducing pixel count.



WINDOWING

Vantage's existing windowing functionality improves camera speed while maintaining resolution by reducing FOV.



VANTAGE+ DEFAULT MODE TECH SPEC

	V5	V8	V16
FPS	420	260	120
RES (MP)	5	8.1	16.8
FOV (H)	47.3	61.8	54.2
FOV (V)	40.5	47.3	54.2

VANTAGE+ HIGH SPEED MODE TECH SPEC

	V5	V8	V16
FPS	1070	910	500
RES (MP)	1.8	2.2	4.2
FOV (H)	47.3	61.8	54.2
FOV (V)	40.5	47.3	54.2



+ FLEXIBILITY + AUTONOMY + PEACE OF MIND



Connectivity
Power and sync with a PoE+



Thermal Sensors
Detect changes in camera temperature that could affect your system status

INTELLIGENT VISION

Vantage+ has multiple onboard processors, so it begins preparing your raw grey scale data before it even leaves the camera.

Processing onboard the camera frees up your PC, providing higher speeds and lower levels of latency.

While Vantage+ begins the processing for you, however, your raw data is also preserved for later inspection or reprocessing, giving you the flexibility to apply your own algorithms to the dataset or to let Vantage+ and Vicon's software platforms do the heavy lifting.



Status Lights
Keep up to date with your system status



Accelerometer
Enables camera selection for simple system setup; monitors camera position in real time; detects bumps and reorients of imagery if camera is upside down

ACTIVE AND PASSIVE TRACKING

Vantage+ gives you the freedom to switch between active and passive tracking. To increase the range of your set-up, combine Vantage+ with the Nova active LED strand for active tracking. For wider angle visibility and higher occlusion resistance use the Vantage+ passive tracking functionality.

AUTO-HEAL

Using the Vantage+ onboard accelerometer, Vicon software can detect when a camera has become misaligned and re-calibrate it without operator input, freeing up users to focus on capturing high quality data.

CABLING

One of the simplest Vantage+ features offers operators the peace of mind that a single point of failure won't bring down the system. Each camera runs on its own cable, so if a unit unexpectedly fails or a cable breaks the rest of the cameras will continue to run.



Contact us to find
out more
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CONTROL APP

Control and interact with your Vicon system directly from a tablet. Download Vicon Control from the App Store and Google Play.

VICON

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