



# TrackVision

Sensor-free football enhancement system



Add visual interest and convey game information to your audience in more compelling ways. With TrackVision, you can enhance any football (aka soccer) game by superimposing virtual graphics over the playing field using revolutionary tracking technology. The overlaid graphics remain tied to their exact position—regardless of camera motion.

## Work in live or replay mode

TrackVision features two modes of operation—live and replay. Switching between them is instantaneous. During a live game, you can display graphics that give viewers more insight into the gameplay. For example, the system can draw a 9-meter distance indicator before a free kick, as well as precisely measure and display the distance to the goal. You can also superimpose team flags or logos on the field and display the score. While working in replay mode, you can have the system overlay offside lines dynamically and measure the speed of the ball.

## Analyze offside calls

Reviewing offside calls is undoubtedly the most important enhancement feature you can use during football games. With TrackVision, offside lines can be instantly drawn within seconds of the call being made, helping both viewers and commentators decide whether the referee was right or wrong.

By drawing two lines—one on the last line of defense and the other on the offense player—you can visually display the offside distance to your audience. You can also highlight the players who passed the ball, as well as measure the depth of the offside.

## Generate extra revenue

TrackVision makes it easy to add a sponsor to any graphics enhancement using the intuitive user interface. Simply add the sponsor's logo to any enhancement feature. When the enhancement is displayed on air, the sponsor's logo will also be shown, generating new revenue with each broadcast.

## Elevate your production

Working in conjunction with our sensor-free camera tracking technology, TrackVision delivers perfect results—regardless of venue, camera positions and angles, and weather conditions. By monitoring the video feed, TrackVision analyzes the live signal and extracts the tracking information—with precise accuracy—eliminating the need to install a physical sensor on the camera.

The system supports static and animated graphics, enabling you to enhance the game in exciting new ways. And with the built-in chroma keyer, you can display graphics perfectly on any field—even in the most difficult lighting conditions.

## Work faster and easier

With TrackVision, a single person can set-up and calibrate the system in just a few minutes. This is particularly important in live production where preparation time may be limited. And operation is extremely easy. Enhanced graphics can be displayed from your main camera, as well as from each of your two 16 meter cameras, providing a perfect angle for drawing the offside lines.

The system interfaces with all common slow motion video servers in the OB van, with graphics overlaid during the replay, regardless of the speed of the replay playback. And when used with our PlayMaker server, not only do you get fast high-quality replay, the “pause on cue” option ensures that the video will automatically and accurately stop on the actual frame of the offside.

For more information, visit [www.avid.com/trackvision](http://www.avid.com/trackvision)

## TrackVision—Sensor-free football enhancement system



	HDVG2
<b>Motherboard</b>	Intel Haswell platform
<b>Graphics card</b>	NVIDIA GeForce GTX 750
<b>CPU</b>	Intel 3.6 GHz Quad-Core i5
<b>Operating system</b>	32-bit Red Hat Linux with kernel 2.6
<b>Memory</b>	8 GB DDR3
<b>Internal storage</b>	500 GB system disk, 2 x 500 GB (option)
<b>Ethernet</b>	1 x 1000 BASE-T (RJ45)
<b>Ports</b>	2 USB (front), 2 USB (rear)
<b>Control interfaces</b>	2 x USB, HDMI, Ethernet (1Gbit)
<b>Supported video standard</b>	HD: SMPTE 260, SMPTE 295, SMPTE 274, SMPTE 296 SD: SMPTE 259 ITV-R BT.601
<b>Video in (mixer)</b>	1
<b>Video output</b>	2 SDI outputs (video key compositing configurable) Internal linear keyer Single channel
<b>Video references</b>	Bi/Tri level Sync
<b>Audio</b>	Embedded audio support
<b>Clip options</b>	QuickTime
<b>Video bypass</b>	Mechanical bypass for power failures (optional)
<b>Dimensions</b>	Height: 3.5 in (90 mm) Width: 17.4 in (443 mm) Depth: 24.3 in (617 mm) Weight: 33.1 lbs (15 kg) approximate
<b>Power supply</b>	Power supply: 100–240 V Frequency: 47–63 Hz 420W (max)

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For more information, visit [www.avid.com/trackvision](http://www.avid.com/trackvision)