

PRODUCT INFORMATION SHEET



**VIRTUAL
1ST**

DOWN & DISTANCE SOLUTION FOR AMERICAN FOOTBALL

IMMERSE VIEWERS WITH VIRTUAL GRAPHICS

Sports broadcasts that are graphically rich can boost ratings through the delivery of an engaging and easy-to follow story for viewers. Virtual graphics let broadcasters quickly analyze gameplay and they provide immersive insight to fans inside and outside of the stadium.

Virtual 1st is ChyronHego's new Down and Distance solution for American Football.

Virtual 1st allows a single operator to insert 1st down lines, lines of scrimmage in the color of choice, and animated down and distance arrows that can be customized to the unique style of the broadcaster.

GROUNDBREAKING EASE OF USE & SETUP

Virtual 1st tracks camera movement by analyzing up to 3 camera feeds. This ingenious system removes complexity by employing video overlay and sensorless camera tracking technology within a single 2RU rack-mounted server.

Ideal for use in stadiums and mobile units, Virtual 1st features an easy-to-use and intuitive user interface, includes a powerful chroma keyer to mix additional game enhancing graphics, and doesn't require complicated camera sensors.

Minimal operator training is required and broadcasters can go from setup to on-air in as quickly as one hour.



KEY BENEFITS

- No need for additional sensors or hardware on cameras inside the stadium.
- Simple to deploy and quick to set up. On-Air-Ready in as quick as 1 hour.
- Import animated graphics to create your own on-field marker style.

TECHNICAL SPECIFICATIONS

- Please refer to the Installation Guide for detailed technical specifications and installation instructions.

BASE SYSTEM CONFIGURATION

- Microsoft® Windows® 7 Ultimate 64-bit O/S
- Quad-Core Intel® Xeon® Processor
- 8GB RAM
- NVIDIA® Quadro® K2000 Professional Series Graphics Accelerator
- 200GB SSD System Storage
- Keyboard and mouse

POWER

- 2 x 740 Watt Redundant AC-DC high-efficiency power supplies
- AC Input 100-240V, 60-50Hz, 9 Amp Max, 3.2 Amps @120VAC Typical

DIMENSIONS

- The system chassis mounts in a standard 19 in. rack.
- **Height:** 2RU, 8.9cm/3.5in.
- **Width:** 43.7cm/17.2in.
- **Depth:** 63cm/24.8in.
- **Weight:** 22.7kg/50lbs.

VIDEO STANDARDS

- SD 576i 50Hz 16:9/4:3 (PAL)
- SD 486i 59.94Hz 16:9/4:3 (NTSC)
- HD 720p 50/59.94Hz 16:9
- HD 1080i 50/59.94Hz 16:9
- HD 1080p 50/59.94 Hz 16:9

INPUTS/OUTPUTS

- Input: 1 x SDI Input on a 75 Ω BNC Connector
- Output: 1 x SDI Output on a 75 Ω BNC Connector
- Genlock: Bi-level & Tri-level Analogue Genlock, 3G-SDI, HD-SDI, SD-SDI on a 75 Ω BNC Connector
- Single RS232 port
- 2 RJ45 Gigabit Ethernet connectors
- 4 USB 2.0 ports rear

ABOUT CHYRONHEGO

ChyronHego, a portfolio company of Vector Capital, is a global leader in products, services, and solutions for the broadcast and sports industries. Specializing in live television, news, and sports production, ChyronHego offers some of the industry's most widely deployed solutions — including Lyric®, the world's most popular broadcast graphics creation and playout offering; the all-new CAMIO® Universe newsroom workflow; and TRACAB® Optical Tracking, the global leader in optical sports tracking systems as well as Click Effects, the most proven and versatile stadium broadcast family of graphics products. Headquartered in Melville, New York, ChyronHego also has offices in the Czech Republic, Denmark, Finland, Germany, Mexico, the Netherlands, Norway, Singapore, Slovak Republic, Sweden, and the United Kingdom.

For more information on ChyronHego, visit www.chyronhego.com.

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MORE INFORMATION ABOUT VIRTUAL 1ST AND THE FULL PRODUCT LINE:

[HTTP://CHYRONHEGO.COM/VIRTUAL-GRAPHICS/VIRTUAL-1ST](http://chyronhego.com/virtual-graphics/virtual-1st)