

U.S. PATENT NO. 10,805,687 V/S SPORTRADAR Live Channel Trading

I. INTRODUCTION

The chart below demonstrates how Defendant Sportradar Group, AG (“Defendant” or “Sportradar”) as well as Defendant’s partners, customers, and end users of the products and features discussed below, directly infringe, either literally or under the doctrine of equivalents, at least claims 19 and 20 of U.S. Patent No. 10,805,687 (“the ’687 Patent”). Defendant and Defendant’s partners, customers, and end users directly infringe the identified claims at least by making, using, selling, installing, configuring to operate, importing, testing, and/or offering to sell at least Defendant’s Sportradar Live Channel Trading and other offerings and services that integrate with Defendant’s Sportradar Live Channel Trading (collectively, “the Accused Products”) either alone, and/or when installed and operated as designed and intended on a computer system or network, as detailed below.

Each element of each asserted claim is presently alleged to be literally present. Because discovery has not started and the Asserted Claims have not yet been construed, SportsCastr Inc. (d/b/a PANDA Interactive) (“Plaintiff” or “PANDA”) reserves the right to supplement its contentions, including with respect to the Doctrine of Equivalents as appropriate. In addition, any of Defendant’s products that perform similar functions and/or incorporate or rely on the same or similar functionality (for example, without limitation, any predecessor or successor products performing the same functions in the same ways or products which use the same software, plugins, or libraries or call the functions underlying the operations identified below) as the Accused Products also infringe in the manner set out below.

Defendant directly infringes at least claims 19 and 20 of the ’687 Patent, either literally or under the doctrine of equivalents, by making, using, offering to sell and selling the systems described below. Defendant’s partners, customers, and end users of its Accused Products and corresponding systems and services directly infringe at least claims 19 and 20 of the ’687 Patent, literally or under the doctrine of equivalents, at least by using the Accused Products and corresponding systems and services, as described below.

Defendant has actively induced and are actively inducing infringement of at least claims 19 and 20 of the ’687 Patent with specific intent to induce infringement, and/or willful blindness to the possibility that its acts induce infringement, in violation of 35 U.S.C. § 271(b). For example, Defendants encourages and induces customers to use Sportradar emBET in a manner that infringes claims 19 and 20 of the ’687 Patent at least by offering and providing the software and by engaging in activities relating to selling, marketing, advertising, promotion, installation, support, and distribution of the Accused Products.

Defendant encourages, instructs, directs, and/or requires third parties—including its certified partners and/or customers—to use the Accused Products in infringing ways. Defendants further encourages and induces its customers to infringe claims 19 and 20 of the

'687 Patent: 1) by widely advertising those services, and providing technical support and instructions to users, and 2) through activities relating to marketing, advertising, promotion, installation, support, and distribution of the Accused Products, including its video streaming software, and services in the United States. (See PANDA-SR_000063-PANDA-SR_000065, <https://sportradar.com/sports-entertainment/audiovisual/embet/?lang=en-us>.) Further, as the entity that provides installation, implementation, and integration of the Accused Products in addition to ensuring the Accused Product remains operational for each customer through ongoing technical support, on information and belief, Defendant and/or its partners affirmatively aid and abet each customer's use of the Accused Products in a manner that infringes the '687 Patent.

Defendant also contributes to the infringement of its partners, customers, and end-users of the Accused Products by providing within the United States or importing into the United States the Accused Products, constituting a material part of the inventions claimed, and not a staple article or commodity of commerce suitable for substantial non-infringing uses. Indeed, as shown below, the Accused Products have no substantial non-infringing uses because the accused functionality, including the one-to-many socket architecture and separate channels for video and event information, is an integral part of the Accused Products and must be performed for the Accused Products to perform their intended purpose. These functionalities are continually running when the system is in use and, on information and belief, cannot be removed or disabled (or, if they could, the system would no longer suitably function for its intended purpose). Moreover, for the same reasons, without the system and components identified below that practice the '687 Patent, that functionality could not be performed. Additionally, the accused functionality, including the one-to-many socket architecture and separate channels for video and event information, itself has no substantial non-infringing uses because the components, modules and methods identified below are a necessary part of that functionality. For example, without the on-to-many socket architecture, the Accused Products could not effectively synchronize the event information across multiple viewers. These functionalities are continually running when the system is in use and cannot be removed or disabled (or, if they could, the system would no longer suitably function for its intended purpose). Moreover, for the same reasons, without the system and components identified below that practice claimed in the '687 Patent, that functionality could not be performed.

Indeed, as shown below, the Accused Products have no substantial non-infringing uses because the accused functionality is an integral part of the Accused Products and must be performed for the Accused Products to perform their intended purpose. For example, at least the functionalities and corresponding modules (whether software and/or hardware) described below have no suitable non-infringing use and form a material part of the Accused Products. In other words, when each of the Accused Products operates, the functions below are performed. Moreover, when the functionality and modules specifically described below are operated, they perform the steps described below. The Accused Products (and the specific modules and functionalities described herein) are designed and intended specifically to perform the inventions claimed in the Asserted Claims, and do not have any other purpose. For example, the

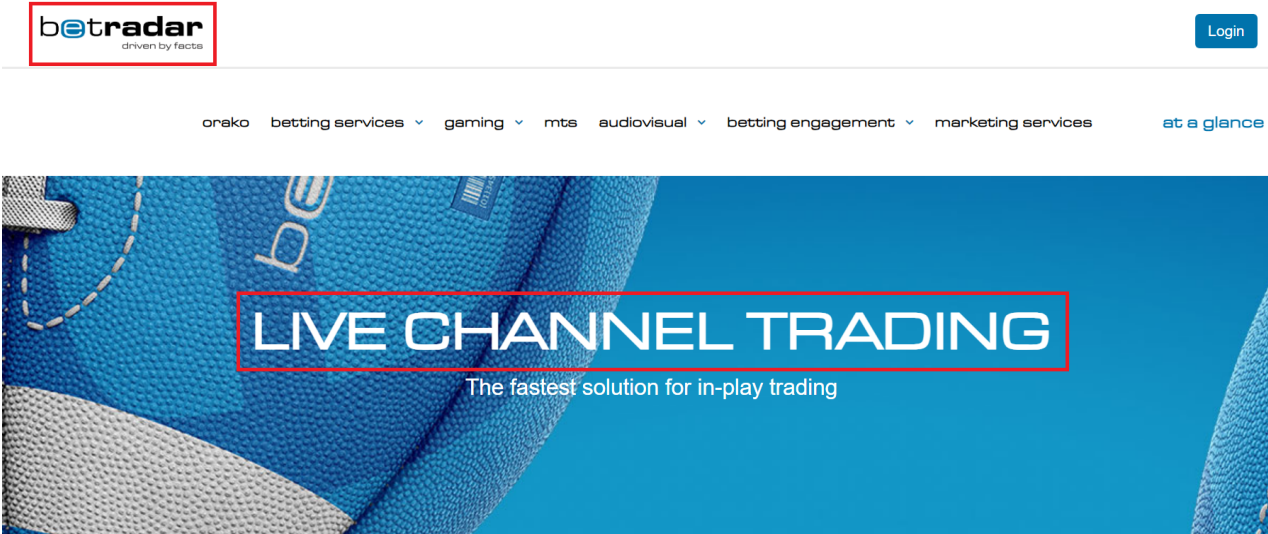
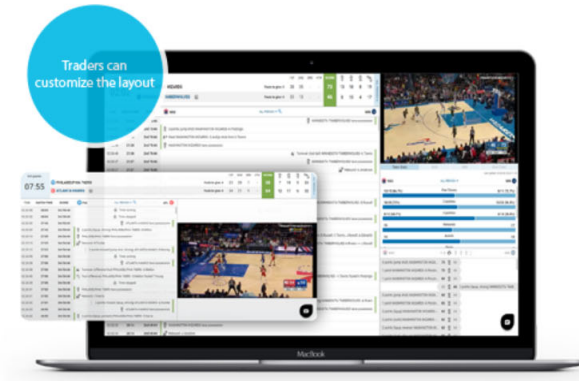
Accused Products and accused functionalities (e.g., the one-to-many architecture) constitute a material part of the inventions claimed because such architecture is integral to the system as recited in the claims of the '687 Patent. None of these products are staple goods—they are sophisticated and customized video streaming products, methods, and systems.

Plaintiff provides the following example claim charts based on currently available information, including through public sources. Plaintiff reserves the right to modify, amend, or supplement these claim charts should it become aware of additional information regarding the Accused Products and systems, including through discovery, or should one or more claims be construed in a manner differently than interpreted herein.

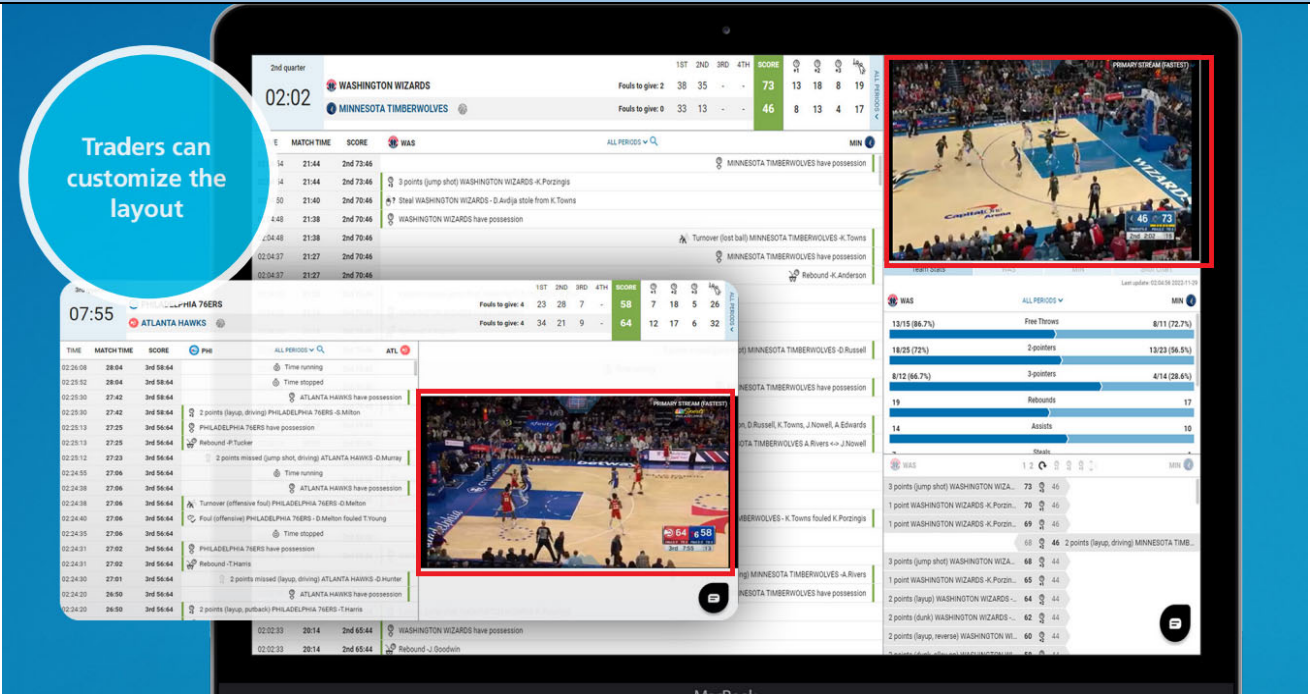
I. CLAIM CHARTS

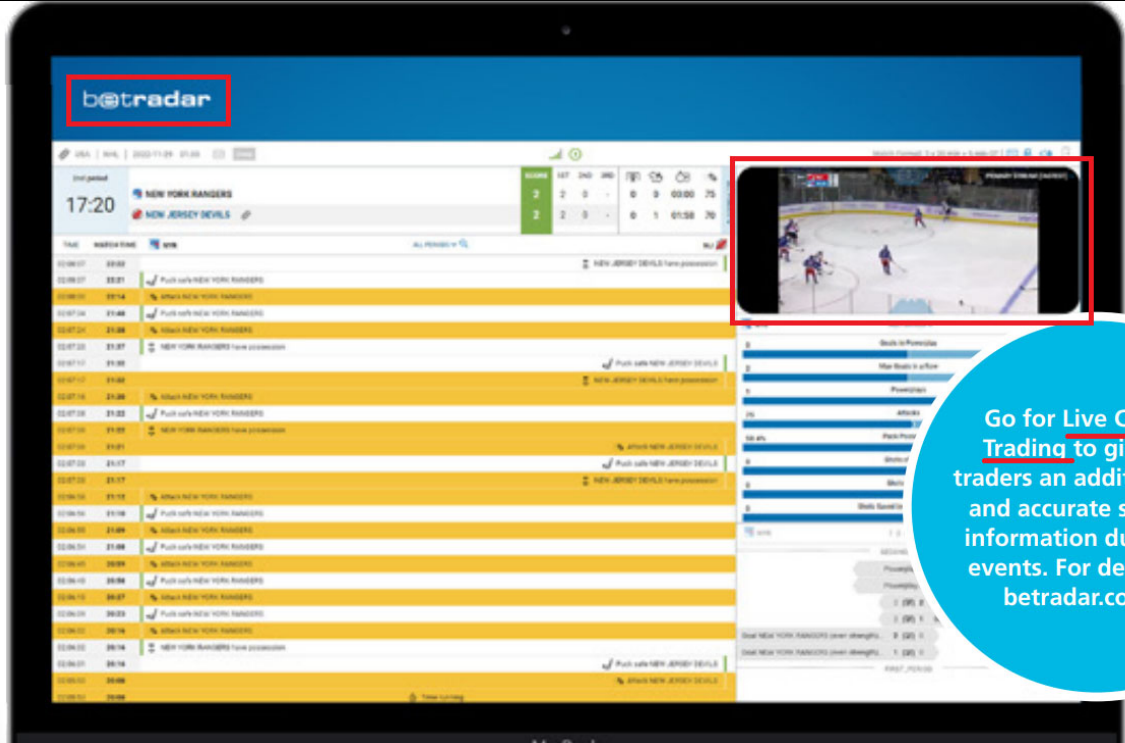
1. Independent Claim 19

Key Features	Accused Product
19. A system for providing a first plurality of copies of a first live stream of digital content relating to a first live sporting event to a first plurality of viewer client devices, and for providing a second plurality of copies of a second live stream of digital content relating to a second live sporting event to a second plurality of viewer client devices, the system comprising:	<p>Sportradar Live Channel Trading, which is offered under their brand name Betradar, includes “<i>a system for providing a first plurality of copies of a first live stream of digital content relating to a first live sporting event to a first plurality of viewer client devices, and for providing a second plurality of copies of a second live stream of digital content relating to a second live sporting event to a second plurality of viewer client devices.</i>”</p> <p>For example, Sportradar live channel trading provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed to multiple clients.</p>

Key Features	Accused Product
	<div data-bbox="569 240 1829 771">  </div> <p data-bbox="569 776 1829 846">See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <div data-bbox="569 906 1079 943"> <h2>LIVE CHANNEL TRADING</h2> </div> <p data-bbox="569 976 1220 1003">Traders are only as good as the information they're working with</p> <p data-bbox="569 1029 1220 1117"><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p data-bbox="569 1143 1220 1289"><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <div data-bbox="1289 911 1864 1289">  </div> <p data-bbox="569 1317 1829 1386">See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p>

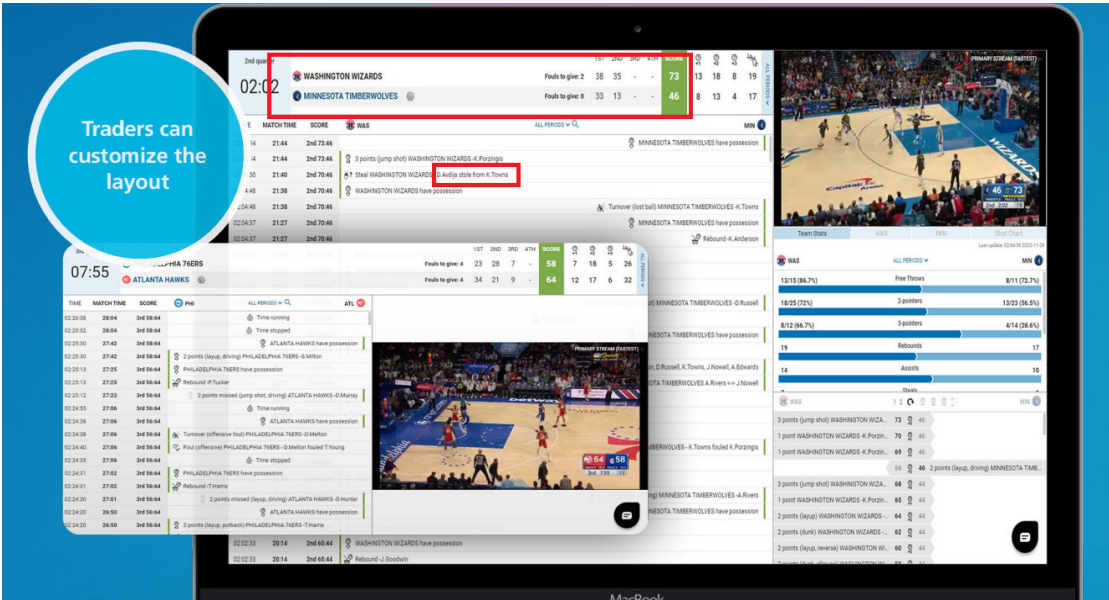
Key Features	Accused Product
	<p>As shown, Sportradar's Live Channel Trading provides matches using its live video streaming system that offers ultra-low latency.</p> <div data-bbox="583 358 1171 418"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1432 358 1581 407"> Find out more </div> <div data-bbox="583 508 978 566"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 602 1012 686"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 693 1029 781"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="583 816 739 841"> <p>What you'll get</p> </div> <div data-bbox="583 846 1012 1024"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1150 540 1516 566"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1150 602 1255 626"> <p>Integrated</p> </div> <div data-bbox="1150 633 1535 812"> <p><u>LCT is combined with our Live Data Client,</u> so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1150 846 1268 870"> <p>Stand-alone</p> </div> <div data-bbox="1150 876 1541 932"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>

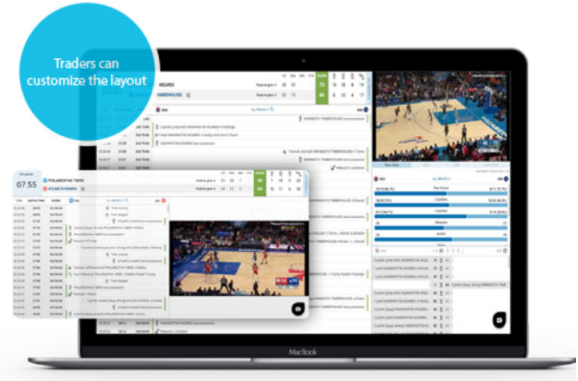
Key Features	Accused Product
	 <p>The screenshot displays the Betradar live-streaming interface. On the left, a blue circular callout contains the text: "Traders can customize the layout". The main interface shows a basketball game between the Washington Wizards and the Minnesota Timberwolves. The score is 73-46 in the 2nd quarter. The interface includes a live video feed of the game, a list of game events, and a sidebar with player statistics and team performance metrics. The interface is designed for traders to monitor game data and customize their layout.</p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>

Key Features	Accused Product
	 <p>Go for Live Channel Trading to give your traders an additional fast and accurate source of information during live events. For details visit betradar.com/lct</p> <p>See, https://betradar.com/wp-content/uploads/sites/4/2023/02/Betradar-Product-Brochure-2023.pdf</p>

Key Features	Accused Product
	 <p>capabilities, we're very excited about the new betting markets that can be created live</p> <p>See, https://sportradar.com/case-study-mlb/?lang=en-us</p> <p>The images below explains that Sportradar's Live Channel Trading provides sporting events via live streaming over a communication channel and that the live stream can be provided in a variety of data formats (e.g., MPEG-DASH, MP4).</p>

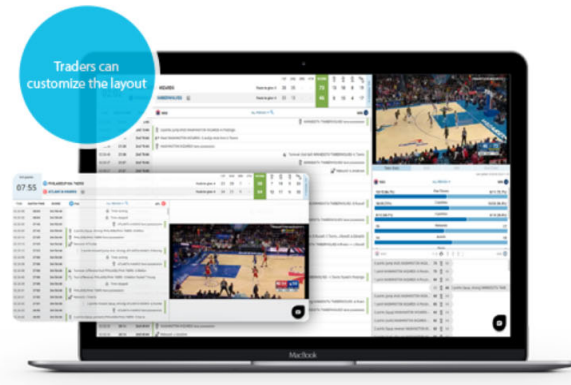
Key Features	Accused Product
	<p data-bbox="690 238 1062 272"><u>Get more from streaming</u></p> <p data-bbox="611 362 1150 735">We believe more is possible. More choice. More speed. <u>More flexibility of formats, of platforms.</u> More ways to engage. More imaginative solutions. That's why we've created a video streaming offer where more is always possible. With more than 400,000 live streams, we're always building more breadth and choice in content. With cutting-edge data and tech capabilities, we're always creating more dynamic experiences. Through our network, we're always enabling more ways to use live video content and reach fans. This ultimately is driving more loyalty. Which means more value for you. We think beyond what's expected. Beyond what's out there. So, for you and your business, more is possible.</p> <p data-bbox="569 756 1549 824"><i>See, PANDA-SR_000029 at PANDA-SR_000030, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</i></p> <p data-bbox="569 875 1829 943">As shown, Sportradar's Live Channel Trading provides an AV Video Player that can be used as an embedded player next to sports betting offer as well as a pop-up player.</p> <p data-bbox="583 997 1583 1031"><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p data-bbox="583 1071 1808 1218"><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p data-bbox="583 1268 1808 1336">Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p data-bbox="569 1341 1818 1409"><i>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</i></p>

Key Features	Accused Product
	<p>As shown below, Sportradar's Live Channel Trading's AV Video Player supports multiple formats and is streamed from a media source to a user device, such as a desktop or mobile browser (<i>"plurality of viewer client devices"</i>).</p> <p>The benefits of Betradar's AV Video Player</p> <p>1. HTML-5 Player with broad format support</p> <p>You receive one dedicated player for all necessary video streaming formats across any desktop and mobile browser, including HLS, MPEG-DASH, WebRTC, RTMP and MP4.</p> <p>See, PANDA-SR_000110, https://www.betradar.com/news-archive/the-top-10-benefits-of-our-new-audio-visual-player/</p>  <p>The screenshot displays the Betradar AV Video Player interface for a basketball game between the Washington Wizards and Minnesota Timberwolves. The interface is divided into several sections: a top score overlay, a central live video feed, and a bottom game log. The score overlay shows the Wizards leading 73-46 in the 2nd quarter with 02:02 remaining. The game log lists various plays, including jump shots, steals, and fouls. A red box highlights the score overlay, and a blue circle with the text 'Traders can customize the layout' points to the interface elements. The interface is designed for traders to monitor game progress and make betting decisions.</p>

Key Features	Accused Product
	<p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>
<p>A) a plurality of media sources to:</p>	<p>Sportradar Live Channel Trading includes “a plurality of media sources.”</p> <p>Sportradar has an in-house video delivery network (VDN) that provides live video streaming to customers. Further, all the Audio-Visual products (including Live Channel Trading) use an Audio-Visual (AV) video player developed by Sportradar.</p> <p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> 

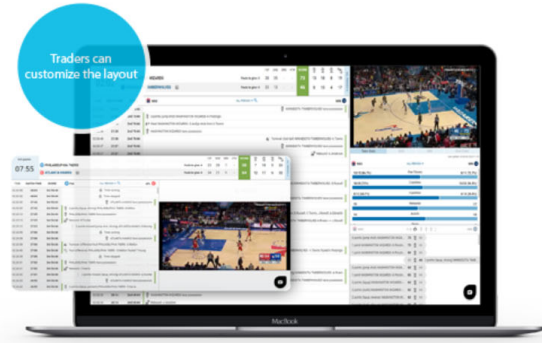
Key Features	Accused Product
	<p data-bbox="583 245 1587 277"><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p data-bbox="583 318 1808 464">Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. <u>The software can be used as an embedded player next to your sports betting offer as well as a pop-up player.</u> Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</p> <p data-bbox="583 516 1808 581">Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p data-bbox="569 586 1818 659"><i>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</i></p> <div data-bbox="569 699 1182 1214"> <p data-bbox="695 708 1062 740"><u>Get more from streaming</u></p> <p data-bbox="611 824 1150 1206">We believe more is possible. More choice. More speed. <u>More flexibility of formats, of platforms.</u> More ways to engage. More imaginative solutions. That's why we've created a video streaming offer where more is always possible. With more than 400,000 live streams, we're always building more breadth and choice in content. With cutting-edge data and tech capabilities, we're always creating more dynamic experiences. Through our network, we're always enabling more ways to use live video content and reach fans. This ultimately is driving more loyalty. Which means more value for you. We think beyond what's expected. Beyond what's out there. So, for you and your business, more is possible.</p> </div> <p data-bbox="569 1222 1545 1295"><i>See, PANDA-SR_000029 at PANDA-SR_000030, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</i></p>

Key Features	Accused Product
	<p><u>The benefits of Betradar's AV Video Player</u></p> <p><u>1. HTML-5 Player with broad format support</u></p> <p>You receive one dedicated player for all necessary video streaming formats across any desktop and mobile browser, including HLS, MPEG-DASH, WebRTC, RTMP and MP4.</p> <p>See, PANDA-SR_000110, https://www.betradar.com/news-archive/the-top-10-benefits-of-our-new-audio-visual-player/</p>
<p>receive the first live stream of digital content and the second live stream of digital content;</p>	<p>Sportradar Live Channel Trading includes “a plurality of media sources to ... receive the first live stream of digital content and the second live stream of digital content.”</p> <p>For example, Sportradar Live Channel Trading, which is offered under their brand name Betradar, provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed, to multiple clients.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>headquarters in St. Gallen, international company analyzes sports data and including live results and fers white-label digital olutions for bookmakers, is and media companies</p> </div> <div style="width: 45%;"> <p>public Internet for contributing much of its live stream content. Today, <u>Betradar Live Channel receives more than 35,000 IP streams from a large number of venues and production sites across the globe for these sporting events in broadcast quality and ingests the video signal into its data</u></p> </div> </div> <p>See, PANDA-SR_000184, https://www.ibm.com/aspera/pdfs/Sportradar_AspiraCS_2017.pdf</p>

Key Features	Accused Product
	<p data-bbox="583 251 1079 289"><u>LIVE CHANNEL TRADING</u></p> <p data-bbox="583 321 1192 345">Traders are only as good as the information they're working with</p> <p data-bbox="583 378 1220 459"><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p data-bbox="583 492 1220 638"><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p data-bbox="567 662 1818 735"><i>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</i></p> <div data-bbox="1297 256 1864 638">  <p data-bbox="1318 305 1451 354">Traders can customize the layout</p> </div> <p data-bbox="583 784 1583 816"><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p data-bbox="583 857 1808 1011"><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p data-bbox="583 1060 1808 1125">Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p data-bbox="567 1133 1818 1206"><i>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</i></p>

Key Features	Accused Product
	<div data-bbox="583 240 1171 297"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1434 240 1581 289"> Find out more </div> <div data-bbox="583 391 978 448"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 483 1012 570"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 574 1029 662"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="583 699 739 724"> <p>What you'll get</p> </div> <div data-bbox="583 729 1012 906"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1150 423 1516 448"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1150 483 1255 508"> <p>Integrated</p> </div> <div data-bbox="1150 513 1535 691"> <p><u>LCT is combined with our Live Data Client,</u> so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1150 729 1268 753"> <p>Stand-alone</p> </div> <div data-bbox="1150 758 1539 815"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="567 943 1547 1019"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>

Key Features	Accused Product
	<p>Unrivalled data depth to support more betting markets</p> <p>A sportsbook lives or dies on data. To cover a multitude of sports and markets, the data you use has to be accurate, rapid, secure and plentiful. That's exactly what you get with us.</p> <p>For over a decade, our 9,500 data journalists have been collecting more live data than anyone else in the business, across 35 data applications and feeds, covering more than 30 sports.</p> <p>That all floods into an offering the gaming industry relies on: the Betradar Live Data Service.</p> <p>Welcome to the beating heart of live sports data.</p> <p><i>See, PANDA-SR_000113 at PANDA-SR_000114, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</i></p>
provide a first copy of the first plurality of copies to a first viewer client device of the first plurality of viewer client devices via a first Internet	<p>Sportradar Live Channel Trading includes “a plurality of media sources to ... provide a first copy of the first plurality of copies to a first viewer client device of the first plurality of viewer client devices via a first Internet communication channel between the plurality of media sources and the first viewer client device of the first plurality of viewer client devices.”</p>

Key Features	Accused Product
<p>communication channel between the plurality of media sources and the first viewer client device of the first plurality of viewer client devices; and</p>	<p>For example, Sportradar Live Channel Trading provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed to multiple clients. It provides the live sporting event stream to a user's computer, laptop, smartphone, or tablet using live channels.</p> <p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p>  <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <p><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p>Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</p>

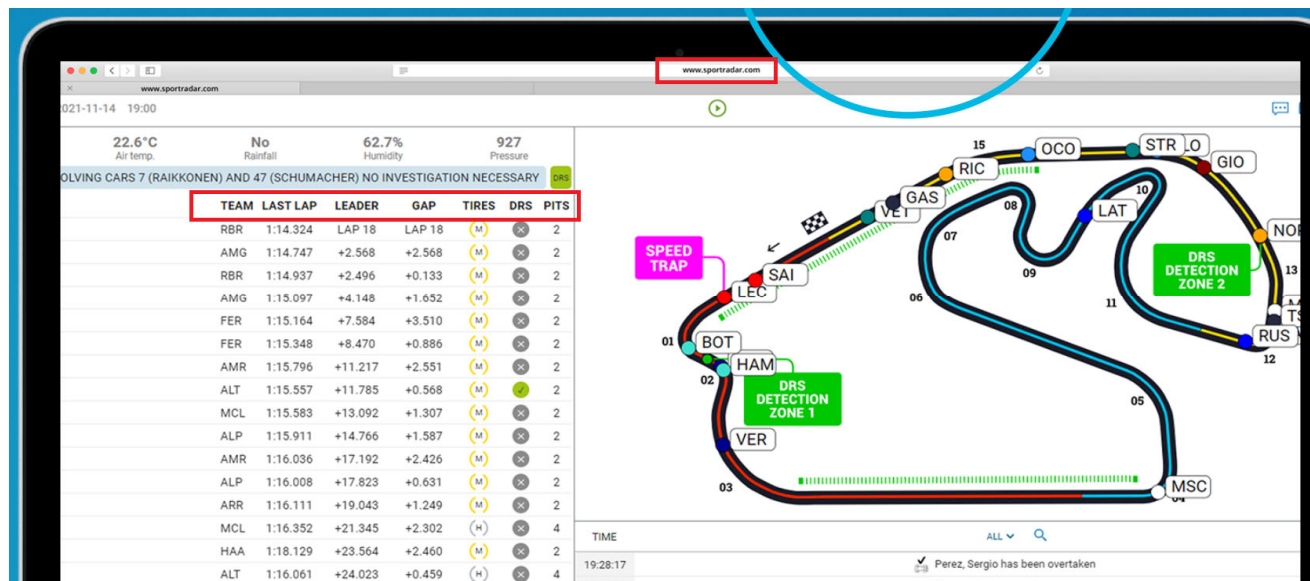
Key Features	Accused Product
	<div data-bbox="583 240 1171 300"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1434 240 1581 289"> Find out more </div> <div data-bbox="583 391 976 448"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 483 1012 570"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 574 1029 662"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="583 698 737 722"> <p>What you'll get</p> </div> <div data-bbox="583 727 1010 906"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1150 423 1514 448"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1150 483 1255 508"> <p>Integrated</p> </div> <div data-bbox="1150 513 1535 691"> <p><u>LCT is combined with our Live Data Client,</u> so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1150 727 1268 751"> <p>Stand-alone</p> </div> <div data-bbox="1150 756 1539 813"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="562 943 1547 1016"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
<p>provide a first copy of the second plurality of copies to a first viewer client device of the second plurality of viewer client devices via a second Internet communication channel between the plurality of media sources</p>	<p>Sportradar Live Channel Trading includes “<i>a plurality of media sources to ... provide a first copy of the second plurality of copies to a first viewer client device of the second plurality of viewer client devices via a second Internet communication channel between the plurality of media sources and the first viewer client device of the second plurality of viewer client devices.</i>”</p> <p>Sportradar Live Channel Trading provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed, to multiple clients. It provides the live sporting event stream to a user's computer, laptop, smartphone, or tablet using live channels.</p>

Key Features	Accused Product
<p>and the first viewer client device of the second plurality of viewer client devices;</p>	<p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <p><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p>Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</p> 

Key Features	Accused Product
	<div data-bbox="583 240 1171 300"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1432 240 1579 289"> Find out more </div> <div data-bbox="583 389 976 446"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 483 1012 568"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 576 1029 662"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="583 698 739 722"> <p>What you'll get</p> </div> <div data-bbox="583 727 1012 906"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1150 422 1516 446"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1150 483 1255 508"> <p>Integrated</p> </div> <div data-bbox="1150 511 1537 695"> <p><u>LCT is combined with our Live Data Client,</u> so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1150 727 1270 751"> <p>Stand-alone</p> </div> <div data-bbox="1150 755 1537 812"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="567 941 1549 1019"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
<p>B) a control server to periodically retrieve, via the Internet, first event information germane to the first live sporting event and second event information germane to the second live sporting event; and</p>	<p>Sportradar Live Channel Trading includes “a control server to periodically retrieve, via the Internet, first event information germane to the first live sporting event and second event information germane to the second live sporting event.”</p> <p>For example, Sportradar Live Channel Trading provides videos, including live videos to traders, integrated with a trading environment. Sportradar Live Channel Trading also provides information to users, such as Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information (e.g., with essentially real-time score updates synchronized with the video-based commentary), player information, venue information, and game status</p>

Key Features**Accused Product**

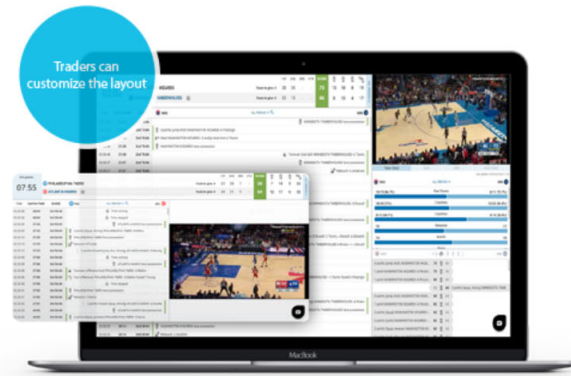
information (e.g., on-base, at-bat, timeouts, fouls, pole position, yards-to-go, yards-to-goal, down, team statistics, player statistics, historical data, etc.). This information is periodically retrieved by the highly qualified data journalist and ultra-reliable software.

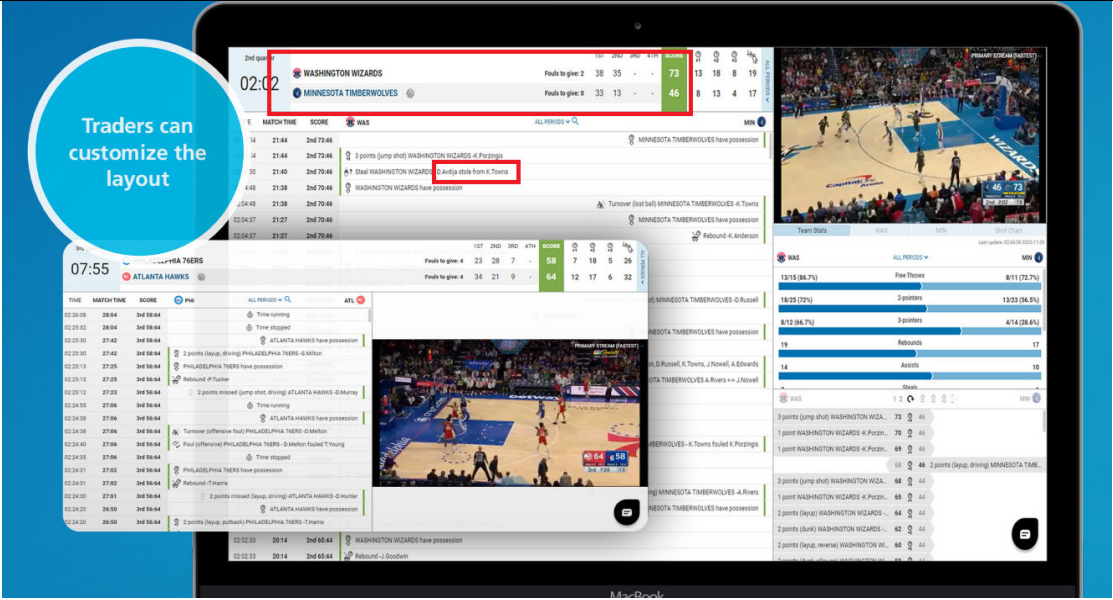


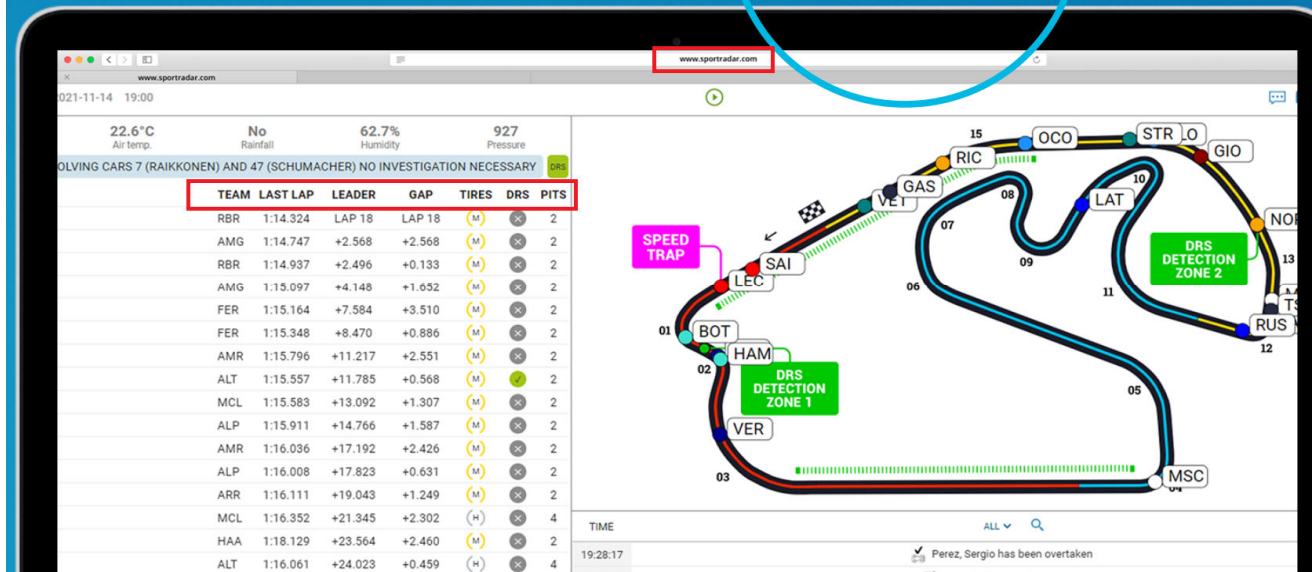
See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

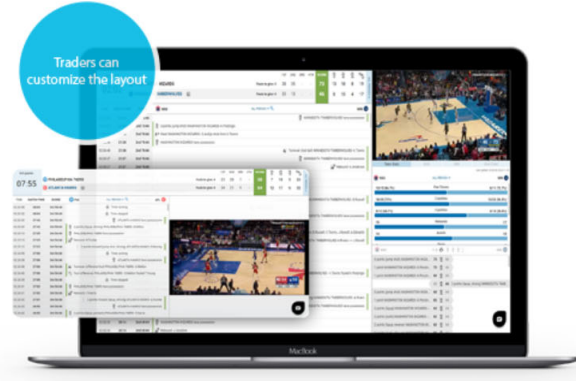
Underpinned by the largest network of data journalists in the world

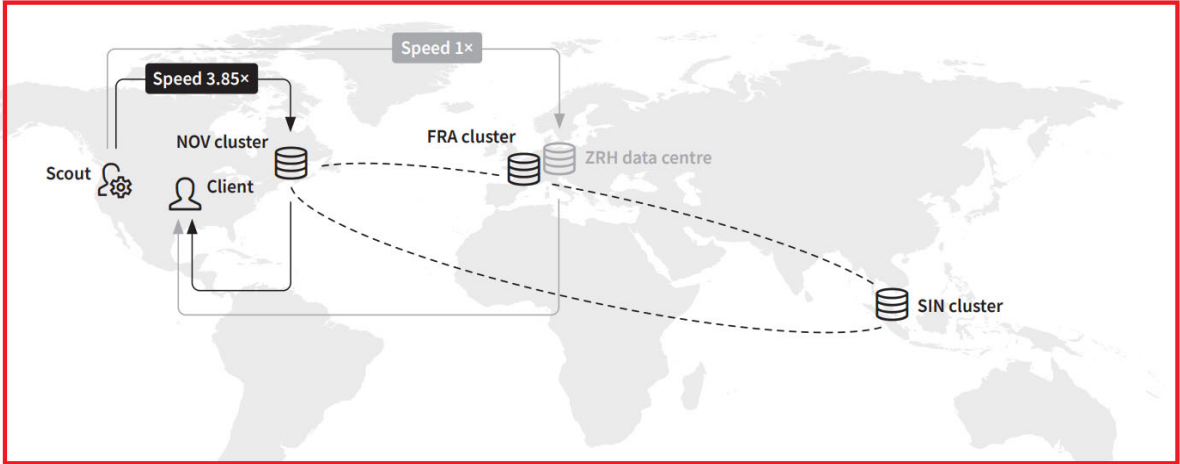
Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

Key Features	Accused Product
	<p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> 

Key Features	Accused Product
	 <p>Traders can customize the layout</p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>
C) at least one socket server communicatively coupled to the control server to:	Upon information and belief, Sportradar Live Channel Trading includes “ <i>at least one socket server communicatively coupled to the control server.</i> ”

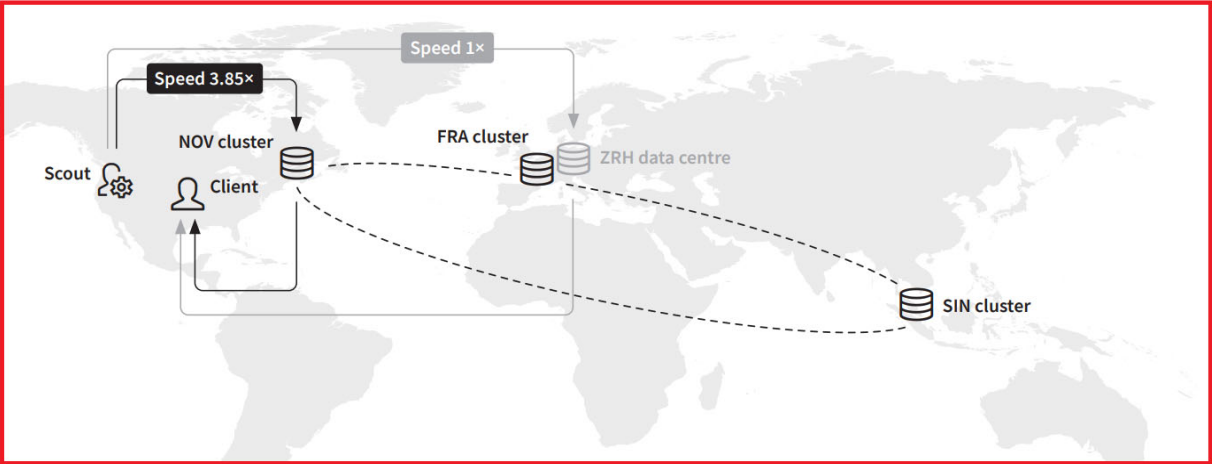
Key Features	Accused Product																																																																																																																							
	<div><p>The screenshot shows the Sportradar website interface for a live F1 race. The browser address bar at the top shows 'www.sportradar.com'. On the left, a table lists driver performance metrics. A red box highlights the table header, and a blue line points to the Sportradar logo in the browser address bar.</p><table><tr><th>TEAM</th><th>LAST LAP</th><th>LEADER</th><th>GAP</th><th>TIRES</th><th>DRS</th><th>PITS</th></tr><tr><td>RBR</td><td>1:14.324</td><td>LAP 18</td><td>LAP 18</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:14.747</td><td>+2.568</td><td>+2.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>RBR</td><td>1:14.937</td><td>+2.496</td><td>+0.133</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:15.097</td><td>+4.148</td><td>+1.052</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.164</td><td>+7.584</td><td>+3.510</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.348</td><td>+8.470</td><td>+0.886</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:15.796</td><td>+11.217</td><td>+2.551</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:15.557</td><td>+11.785</td><td>+0.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:15.583</td><td>+13.092</td><td>+1.307</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:15.911</td><td>+14.766</td><td>+1.587</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:16.036</td><td>+17.192</td><td>+2.426</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:16.008</td><td>+17.823</td><td>+0.631</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ARR</td><td>1:16.111</td><td>+19.043</td><td>+1.249</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:16.352</td><td>+21.345</td><td>+2.302</td><td>(H)</td><td>×</td><td>4</td></tr><tr><td>HAA</td><td>1:18.129</td><td>+23.564</td><td>+2.460</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:16.061</td><td>+24.023</td><td>+0.459</td><td>(H)</td><td>×</td><td>4</td></tr></table><p>The track map on the right shows the race progress with various driver positions marked. Key features like 'SPEED TRAP', 'DRS DETECTION ZONE 1', and 'DRS DETECTION ZONE 2' are highlighted. A notification at the bottom states 'Perez, Sergio has been overtaken'.</p></div> <p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p>Underpinned by the largest network of data journalists in the world</p> <p><u>Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.</u></p> <p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p>For example, Sportradar Live channel trading's live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. "Sportradar distributes</p>	TEAM	LAST LAP	LEADER	GAP	TIRES	DRS	PITS	RBR	1:14.324	LAP 18	LAP 18	(M)	×	2	AMG	1:14.747	+2.568	+2.568	(M)	×	2	RBR	1:14.937	+2.496	+0.133	(M)	×	2	AMG	1:15.097	+4.148	+1.052	(M)	×	2	FER	1:15.164	+7.584	+3.510	(M)	×	2	FER	1:15.348	+8.470	+0.886	(M)	×	2	AMR	1:15.796	+11.217	+2.551	(M)	×	2	ALT	1:15.557	+11.785	+0.568	(M)	×	2	MCL	1:15.583	+13.092	+1.307	(M)	×	2	ALP	1:15.911	+14.766	+1.587	(M)	×	2	AMR	1:16.036	+17.192	+2.426	(M)	×	2	ALP	1:16.008	+17.823	+0.631	(M)	×	2	ARR	1:16.111	+19.043	+1.249	(M)	×	2	MCL	1:16.352	+21.345	+2.302	(H)	×	4	HAA	1:18.129	+23.564	+2.460	(M)	×	2	ALT	1:16.061	+24.023	+0.459	(H)	×	4
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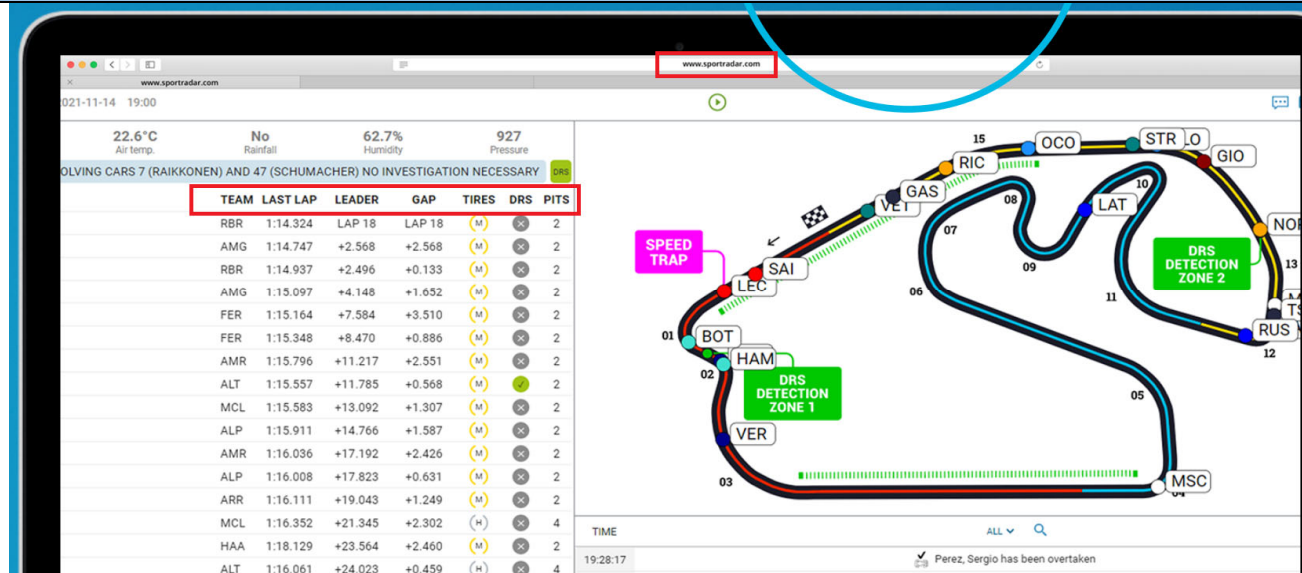
Key Features	Accused Product
	<p>live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks.”</p> <p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> 

Key Features	Accused Product
	<p data-bbox="636 256 932 280">Distributed live data setup</p>  <p data-bbox="636 820 840 844">If you're in the US</p> <p data-bbox="569 873 1619 946">See, PANDA-SR_000113 at PANDA-SR_000116, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p data-bbox="569 992 1896 1105">Sportsradar uses sports data API, which involves creating a persistent connection to push feeds to the customer. As shown below, an active connection to the customer is maintained even when no data is provided, e.g., using a heartbeat message every 5 seconds.</p>

Key Features	Accused Product
	<p data-bbox="577 245 737 277">Push Feeds</p> <p data-bbox="577 321 1507 428">Some of our APIs include Push feeds that allow you to get updates as soon as they are available. <u>Push API feeds automatically send JSON payload to you via a push service, and can dramatically reduce the number of calls you need to make to our RESTful API feeds.</u></p> <p data-bbox="577 440 1497 547">The structure of the Push feeds are similar to the structure of the corresponding RESTful API feed (i.e. Push Events, and Push Statistics). The push service ensures reliable and efficient delivery of the most up to date information.</p> <p data-bbox="577 597 1503 862">Our Push services are based on a HTTP publish/subscribe model. When making a call to the Push APIs, you "subscribe" to various data feeds provided by our service; whenever new content is available on one of those feeds, <u>the server pushes that information out to your client.</u> <u>When no new information is available on the feed, a heartbeat message is sent every 5 seconds to keep the connection active.</u> If you want to filter the results of the feeds, there are several optional query string parameters that can be applied to the API call. If left unfiltered, all data for the feed is displayed (i.e. all games, events, or statistics).</p> <p data-bbox="569 889 1759 964"><i>See, PANDA-SR_000118 at PANDA-SR_000151, https://developer.sportradar.com/docs/read/american_football/NFL_v7#weekly-depth-charts</i></p> <div data-bbox="577 1016 1377 1235" style="border: 2px solid red; padding: 10px;"> <p data-bbox="594 1027 1339 1078">For your applications to accept data from our Push feeds, ensure that your application can:</p> <ul data-bbox="615 1122 1344 1214" style="list-style-type: none"> <li data-bbox="615 1122 1344 1175">• Can follow a HTTP redirect or use the location provided in the feeds header within one minute of your initial request. <li data-bbox="615 1187 1087 1214">• Can accept HTTP data transfer encoded as chunked. </div> <p data-bbox="594 1252 1356 1338">Our Push service does not provide a "stateful session", there is no memory of what data has been sent previously. If you are disconnected from the Push session, you can use the RESTful API to catch up or recover from the disconnection.</p>

Key Features	Accused Product
	<p>See, PANDA-SR_000118 at PANDA-SR_000151, https://developer.sportradar.com/docs/read/american_football/NFL_v7#weekly-depth-charts</p>
<p>receive from the control server at least some of the first event information and at least some of the second event information; and</p>	<p>Sportradar Live Channel Trading includes “<i>at least one socket server communicatively coupled to the control server to ... receive from the control server at least some of the first event information and at least some of the second event information.</i>”</p> <p>For example, Sportradar Live channel trading’s live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including, e.g., Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information, etc., is different for different live stream events and a socket server, upon information and belief, receives the intelligence to be transmitted to respective customers.</p>

Key Features	Accused Product
	<p data-bbox="638 256 945 280">Distributed live data setup</p>  <p data-bbox="638 818 848 846">If you're in the US</p> <p data-bbox="569 873 1619 946">See, PANDA-SR_000113 at PANDA-SR_000116, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>

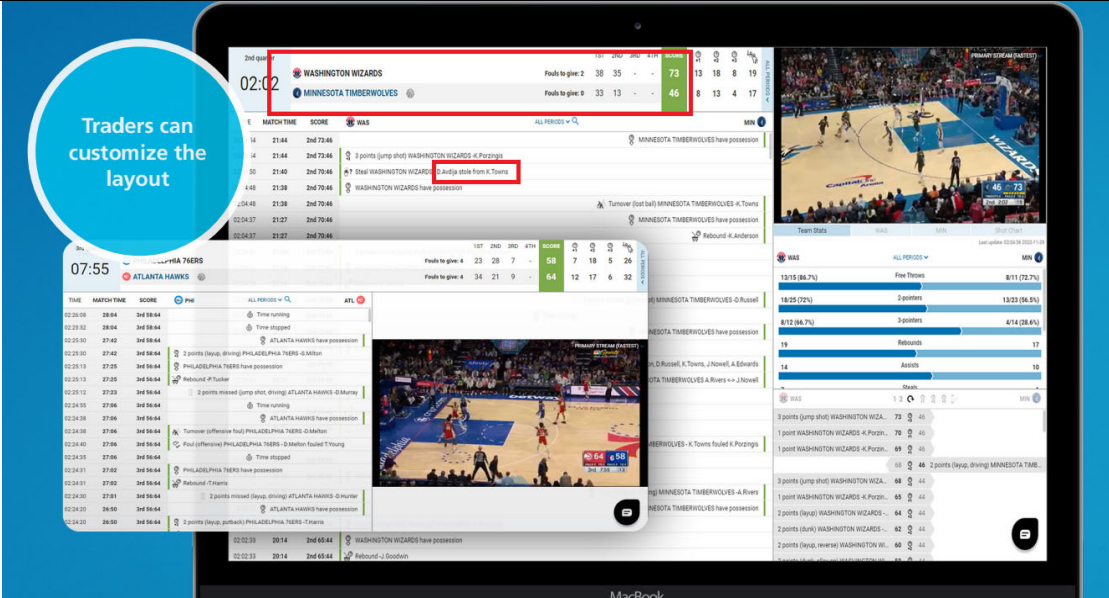
Key Features**Accused Product**

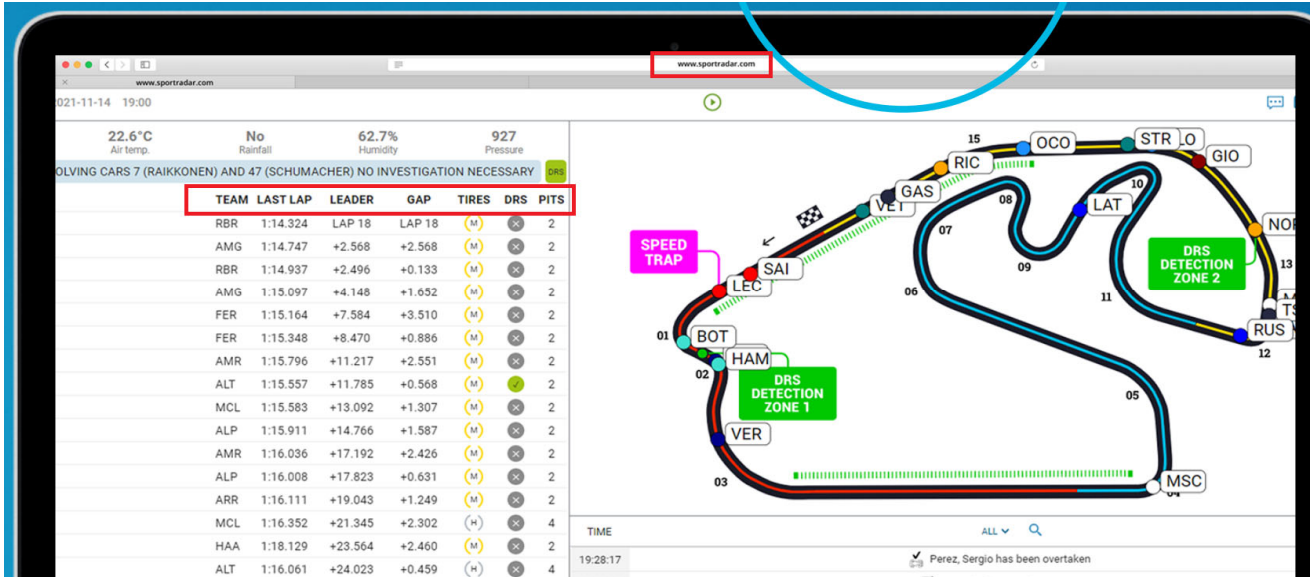
See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Underpinned by the largest network of data journalists in the world

Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

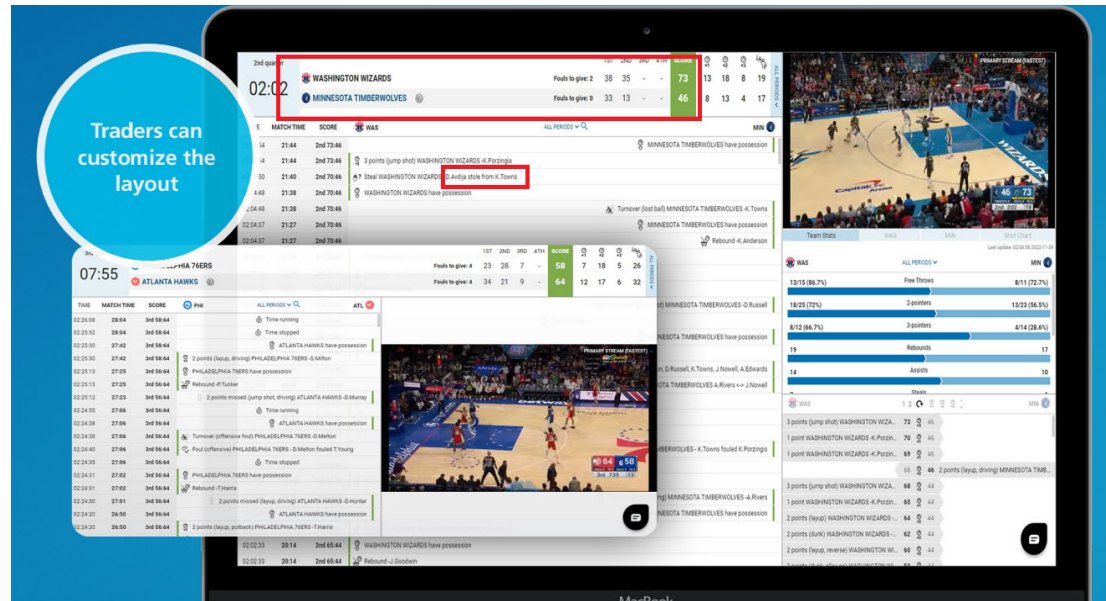
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Key Features	Accused Product
	 <p>Traders can customize the layout</p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>
<p>transmit the at least some of the first event information to the first viewer client device of the first plurality of viewer client devices via a third Internet communication channel between at least one first event socket of the at least one socket server and the first viewer client device of the first</p>	<p>Sportradar Live Channel Trading includes “at least one socket server communicatively coupled to the control server to ... transmit the at least some of the first event information to the first viewer client device of the first plurality of viewer client devices via a third Internet communication channel between at least one first event socket of the at least one socket server and the first viewer client device of the first plurality of viewer devices.”</p> <p>For example, Sportradar Live channel trading’s live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including e.g., Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos),</p>

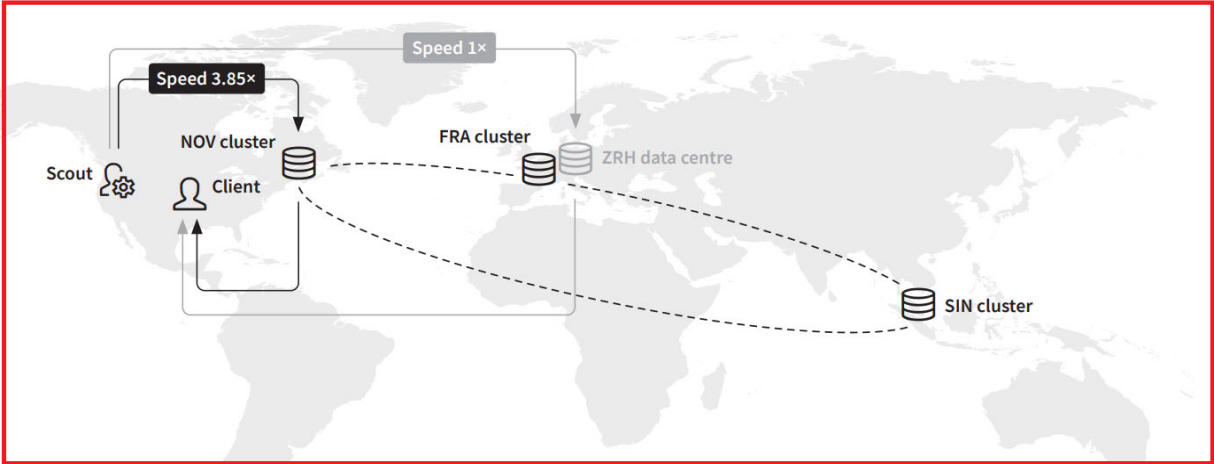
Key Features	Accused Product																																																																																																																							
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	<div><p>The screenshot displays the Sportradar website interface for a live F1 race. On the left, a table lists driver performance metrics for Lap 18. On the right, a track map shows the current positions of the cars. A red box highlights the table header, and a blue circle highlights the track map.</p><table><thead><tr><th>TEAM</th><th>LAST LAP</th><th>LEADER</th><th>GAP</th><th>TIRES</th><th>DRS</th><th>PITS</th></tr></thead><tbody><tr><td>RBR</td><td>1:14.324</td><td>LAP 18</td><td>LAP 18</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:14.747</td><td>+2.568</td><td>+2.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>RBR</td><td>1:14.937</td><td>+2.496</td><td>+0.133</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:15.097</td><td>+4.148</td><td>+1.652</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.164</td><td>+7.584</td><td>+3.510</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.348</td><td>+8.470</td><td>+0.886</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:15.796</td><td>+11.217</td><td>+2.551</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:15.557</td><td>+11.785</td><td>+0.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:15.583</td><td>+13.092</td><td>+1.307</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:15.911</td><td>+14.766</td><td>+1.587</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:16.036</td><td>+17.192</td><td>+2.426</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:16.008</td><td>+17.823</td><td>+0.631</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ARR</td><td>1:16.111</td><td>+19.043</td><td>+1.249</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:16.352</td><td>+21.345</td><td>+2.302</td><td>(H)</td><td>×</td><td>4</td></tr><tr><td>HAA</td><td>1:18.129</td><td>+23.564</td><td>+2.460</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:16.061</td><td>+24.023</td><td>+0.459</td><td>(H)</td><td>×</td><td>4</td></tr></tbody></table><p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p></div>	TEAM	LAST LAP	LEADER	GAP	TIRES	DRS	PITS	RBR	1:14.324	LAP 18	LAP 18	(M)	×	2	AMG	1:14.747	+2.568	+2.568	(M)	×	2	RBR	1:14.937	+2.496	+0.133	(M)	×	2	AMG	1:15.097	+4.148	+1.652	(M)	×	2	FER	1:15.164	+7.584	+3.510	(M)	×	2	FER	1:15.348	+8.470	+0.886	(M)	×	2	AMR	1:15.796	+11.217	+2.551	(M)	×	2	ALT	1:15.557	+11.785	+0.568	(M)	×	2	MCL	1:15.583	+13.092	+1.307	(M)	×	2	ALP	1:15.911	+14.766	+1.587	(M)	×	2	AMR	1:16.036	+17.192	+2.426	(M)	×	2	ALP	1:16.008	+17.823	+0.631	(M)	×	2	ARR	1:16.111	+19.043	+1.249	(M)	×	2	MCL	1:16.352	+21.345	+2.302	(H)	×	4	HAA	1:18.129	+23.564	+2.460	(M)	×	2	ALT	1:16.061	+24.023	+0.459	(H)	×	4
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Key Features**Accused Product**

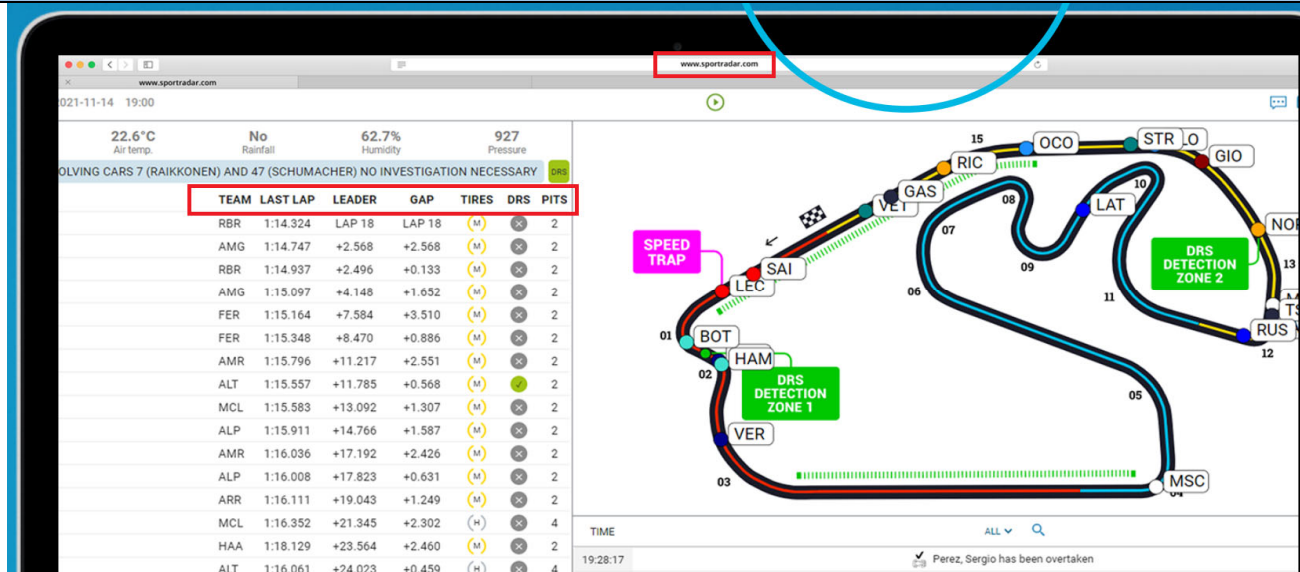
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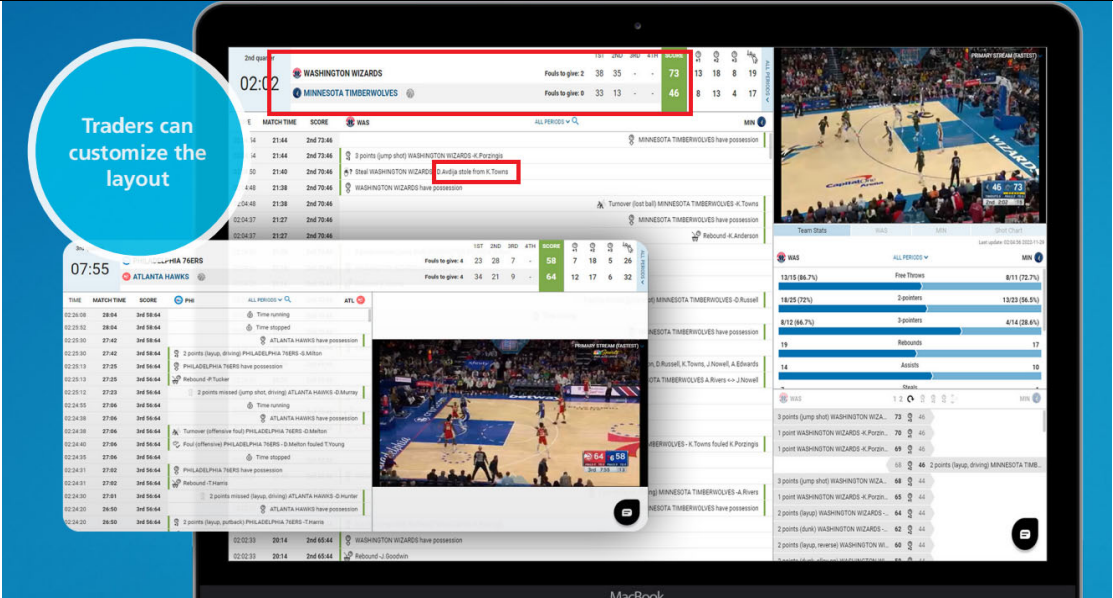


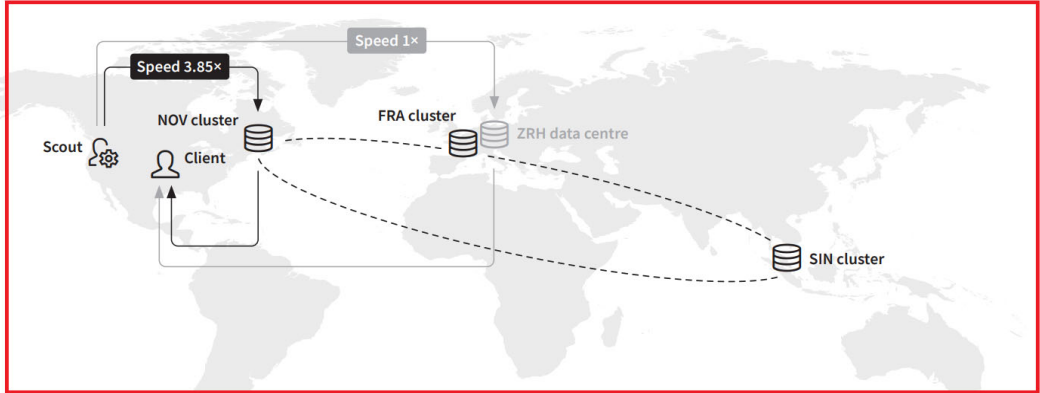
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Key Features	Accused Product
	<p data-bbox="638 256 945 280">Distributed live data setup</p>  <p data-bbox="638 820 848 844">If you're in the US</p> <p data-bbox="569 873 1619 946">See, PANDA-SR_000113 at PANDA-SR_000116, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p data-bbox="569 992 1896 1101">Live Channel Trading is integrated into the Live Data Client as a widget separate from other widgets that provide data on a match (e.g., scores, play-by-play, or statistics). Further, the other widgets can be interactive.</p>

Key Features	Accused Product
	<div> <div> Boost your in-play trading <p>Track a wide range of live match data, however and whenever you want. Get all the stats you need, right at your fingertips.</p> <p><u>And configure your interface, alerts, sizes and sounds for each sport, or keep it the same across the board.</u></p> </div> <div> What to expect <ul style="list-style-type: none">  Use any desktop or mobile browser  <u>Configure widgets by sport, depending on what you need and what space is available on-screen</u>  Highlight the moments that matter with colour-coded status changes  Get alerts for easy match trading  Analyse more deeply thanks to integrated stats and match timeline </div> </div> <p>See, PANDA-SR_000113 at PANDA-SR_000114, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>
<p>transmit the at least some of the second event information to the first viewer client device of the second plurality of viewer client devices via a fourth Internet communication channel between at least one second event socket of the at least one socket server and the first viewer client device of the second plurality of viewer devices.</p>	<p>Sportradar Live Channel Trading includes “<i>at least one socket server communicatively coupled to the control server to ... transmit the at least some of the second event information to the first viewer client device of the second plurality of viewer client devices via a fourth Internet communication channel between at least one second event socket of the at least one socket server and the first viewer client device of the second plurality of viewer devices.</i>”</p> <p>For example, Sportradar Live channel trading’s live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information, etc., is different for different live stream events and a socket server, upon information and belief, receives the intelligence to be transmitted to respective customers.</p>

Key Features	Accused Product																																																																																																																							
	<div><p>The screenshot shows the Sportradar website interface for a live F1 race. On the left, a table lists driver performance metrics. On the right, a track map displays DRS zones and a speed trap. A blue line connects the 'Accused Product' header to the website screenshot.</p><table><tr><th>TEAM</th><th>LAST LAP</th><th>LEADER</th><th>GAP</th><th>TIRES</th><th>DRS</th><th>PITS</th></tr><tr><td>RBR</td><td>1:14.324</td><td>LAP 18</td><td>LAP 18</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:14.747</td><td>+2.568</td><td>+2.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>RBR</td><td>1:14.937</td><td>+2.496</td><td>+0.133</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:13.097</td><td>+4.148</td><td>+1.052</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.164</td><td>+7.584</td><td>+3.510</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.348</td><td>+8.470</td><td>+0.886</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:15.796</td><td>+11.217</td><td>+2.551</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:15.557</td><td>+11.785</td><td>+0.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:15.583</td><td>+13.092</td><td>+1.307</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:15.911</td><td>+14.766</td><td>+1.587</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:16.036</td><td>+17.192</td><td>+2.426</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:16.008</td><td>+17.823</td><td>+0.631</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ARR</td><td>1:16.111</td><td>+19.043</td><td>+1.249</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:16.352</td><td>+21.345</td><td>+2.302</td><td>(H)</td><td>×</td><td>4</td></tr><tr><td>HAA</td><td>1:18.129</td><td>+23.564</td><td>+2.460</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:16.061</td><td>+24.023</td><td>+0.459</td><td>(H)</td><td>×</td><td>4</td></tr></table><p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p><p>Underpinned by the largest network of data journalists in the world</p><p><u>Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.</u></p><p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p></div>	TEAM	LAST LAP	LEADER	GAP	TIRES	DRS	PITS	RBR	1:14.324	LAP 18	LAP 18	(M)	×	2	AMG	1:14.747	+2.568	+2.568	(M)	×	2	RBR	1:14.937	+2.496	+0.133	(M)	×	2	AMG	1:13.097	+4.148	+1.052	(M)	×	2	FER	1:15.164	+7.584	+3.510	(M)	×	2	FER	1:15.348	+8.470	+0.886	(M)	×	2	AMR	1:15.796	+11.217	+2.551	(M)	×	2	ALT	1:15.557	+11.785	+0.568	(M)	×	2	MCL	1:15.583	+13.092	+1.307	(M)	×	2	ALP	1:15.911	+14.766	+1.587	(M)	×	2	AMR	1:16.036	+17.192	+2.426	(M)	×	2	ALP	1:16.008	+17.823	+0.631	(M)	×	2	ARR	1:16.111	+19.043	+1.249	(M)	×	2	MCL	1:16.352	+21.345	+2.302	(H)	×	4	HAA	1:18.129	+23.564	+2.460	(M)	×	2	ALT	1:16.061	+24.023	+0.459	(H)	×	4
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	 <p>Traders can customize the layout</p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>

Key Features	Accused Product
	<p data-bbox="625 250 890 272"><u>Distributed live data setup</u></p>  <p data-bbox="625 730 806 753">If you're in the US</p> <p data-bbox="564 776 1619 847">See, PANDA-SR_000113 at PANDA-SR_000116, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p data-bbox="564 894 1896 1003">Live Channel Trading is integrated into the Live Data Client as a widget separate from other widgets that provide data on a match (e.g., scores, play-by-play, or statistics). Further, the other widgets can be interactive.</p>

Key Features	Accused Product
	<div> <div> <p>Boost your in-play trading</p> <p>Track a wide range of live match data, however and whenever you want. Get all the stats you need, right at your fingertips.</p> <p><u>And configure your interface, alerts, sizes and sounds for each sport, or keep it the same across the board.</u></p> </div> <div> <p>What to expect</p> <ul style="list-style-type: none">  Use any desktop or mobile browser  <u>Configure widgets by sport, depending on what you need and what space is available on-screen</u>  Highlight the moments that matter with colour-coded status changes  Get alerts for easy match trading  Analyse more deeply thanks to integrated stats and match timeline </div> </div> <p>See, PANDA-SR_000113 at PANDA-SR_000114, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>

2. Dependent Claim 20

<p>20. The system of claim 19, wherein:</p> <p>in A), the plurality of media sources:</p> <p>provide a second copy of the first plurality of copies to a second viewer client device of the first plurality of viewer client devices via a third video Internet communication channel between the plurality of media sources and the</p>	<p>Sportradar Live Channel Trading includes the system of claim 19, “<i>wherein: in A), the plurality of media sources: provide a second copy of the first plurality of copies to a second viewer client device of the first plurality of viewer client devices via a third video Internet communication channel between the plurality of media sources and the second viewer client device of the first plurality of viewer client devices.</i>”</p> <p>For example, the live streams in the Accused Product are transmitted to multiple client devices.</p>
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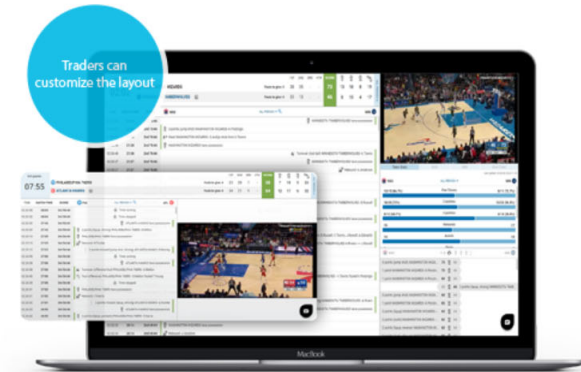
second viewer client device of the first plurality of viewer client devices; and

LIVE CHANNEL TRADING

Traders are only as good as the information they're working with

So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.

All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.



See, PANDA-SR_000029 at PANDA-SR_000034, <https://www.betradar.com/live-streaming/live-channel-trading/>

Betradar's AV Video Player – the solution to simplify your integration process

Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.

Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.

See, PANDA-SR_000104 at PANDA-SR_000106, <https://www.betradar.com/live-streaming/live-channel-online/>

	<div data-bbox="577 196 1102 251"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1339 196 1470 240"> Find out more </div> <div data-bbox="577 329 932 386"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="577 414 963 493"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="577 496 980 578"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams</u> that are significantly faster than any TV broadcaster.</p> </div> <div data-bbox="577 607 720 633"> <p>What you'll get</p> </div> <div data-bbox="577 634 963 795"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1077 360 1409 386"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1077 414 1178 440"> <p>Integrated</p> </div> <div data-bbox="1077 440 1428 604"> <p><u>LCT is combined with our Live Data Client</u>, so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1077 634 1190 657"> <p>Stand-alone</p> </div> <div data-bbox="1077 659 1430 712"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="560 826 1547 904"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
<p>provide a second copy of the second plurality of copies to a second viewer client device of the second plurality of viewer client devices via a fourth video Internet communication channel between the plurality of media sources and the second viewer client device of the second</p>	<p>Sportradar Live Channel Trading includes the system of claim 19, “<i>wherein: in A), the plurality of media sources ... provide a second copy of the second plurality of copies to a second viewer client device of the second plurality of viewer client devices via a fourth video Internet communication channel between the plurality of media sources and the second viewer client device of the second plurality of viewer client devices.</i>”</p> <p>For example, live streams in the Accused Product are transmitted to multiple client devices.</p>

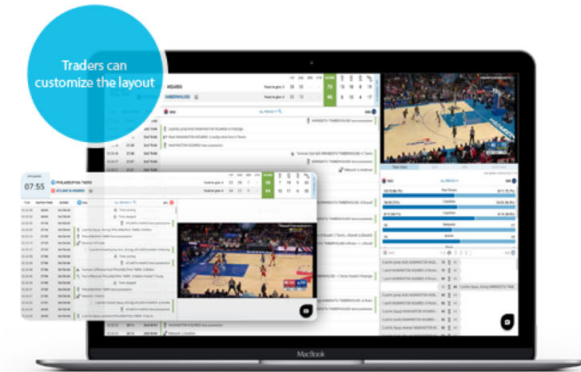
plurality of viewer client devices; and

LIVE CHANNEL TRADING

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So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.

All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.



See, PANDA-SR_000029 at PANDA-SR_000034, <https://www.betradar.com/live-streaming/live-channel-trading/>

Betradar's AV Video Player – the solution to simplify your integration process

Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.

Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.

See, PANDA-SR_000104 at PANDA-SR_000106, <https://www.betradar.com/live-streaming/live-channel-online/>

	<div data-bbox="577 198 1171 256"> <h2>Live Channel Trading</h2> </div> <div data-bbox="1432 198 1581 245"> Find out more </div> <div data-bbox="577 345 978 407"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="577 440 1012 526"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="577 531 1029 620"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="577 652 739 680"> <p>What you'll get</p> </div> <div data-bbox="577 683 1012 863"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1140 378 1516 406"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1140 440 1255 466"> <p>Integrated</p> </div> <div data-bbox="1140 469 1535 649"> <p><u>LCT is combined with our Live Data Client</u>, so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1140 683 1268 709"> <p>Stand-alone</p> </div> <div data-bbox="1140 712 1541 771"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="558 899 1547 974"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
<p>in C), the at least one socket server: transmits at least the first event information to the second viewer client device of the first plurality of viewer client devices via a third event information Internet communication channel</p>	<p>Sportradar Live Channel Trading includes the system of claim 19, wherein “<i>in C), the at least one socket server ... transmits at least the first event information to the second viewer client device of the first plurality of viewer client devices via a third event information Internet communication channel between the at least one first event socket of the at least one socket server and the second viewer client device of the first plurality of viewer devices.</i>”</p> <p>Sportradar Live channel trading’s live data intelligence provide game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence</p>

between the at least one first event socket of the at least one socket server and the second viewer client device of the first plurality of viewer devices; and

as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks.

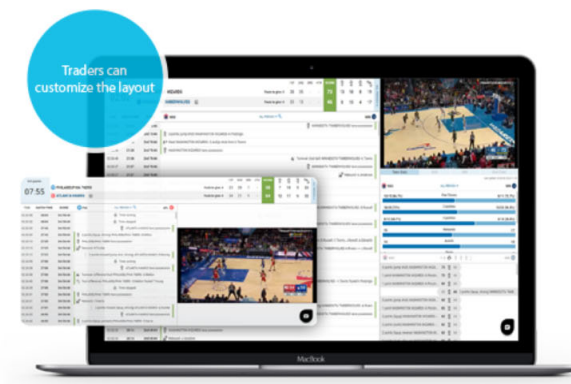
LIVE CHANNEL TRADING

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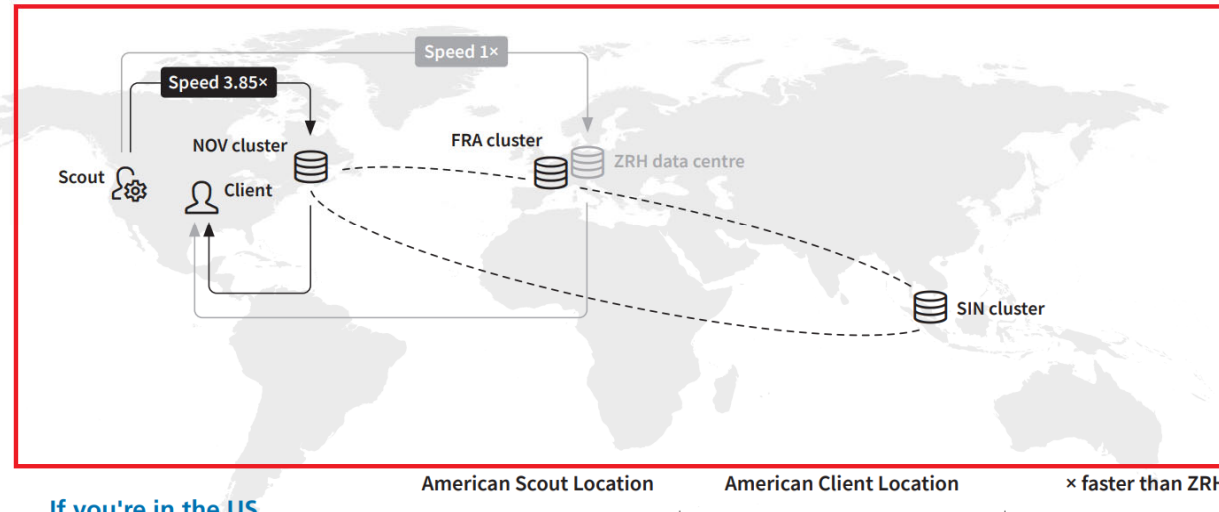
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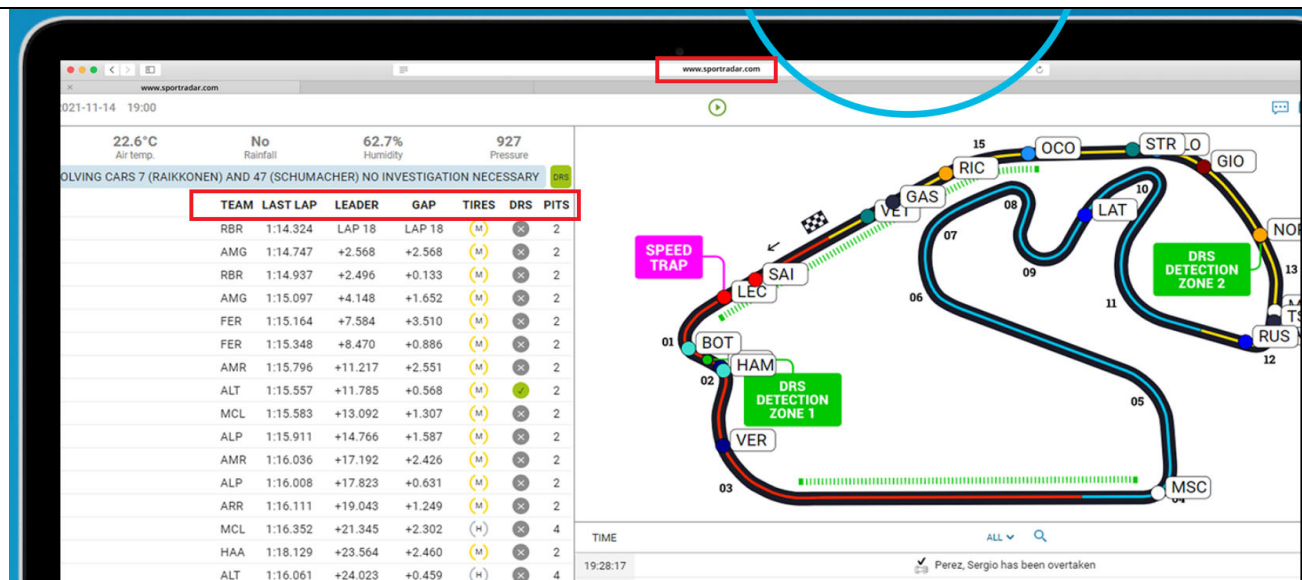


Distributed live data setup



If you're in the US

See, PANDA-SR_000113 at PANDA-SR_000116, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>



See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

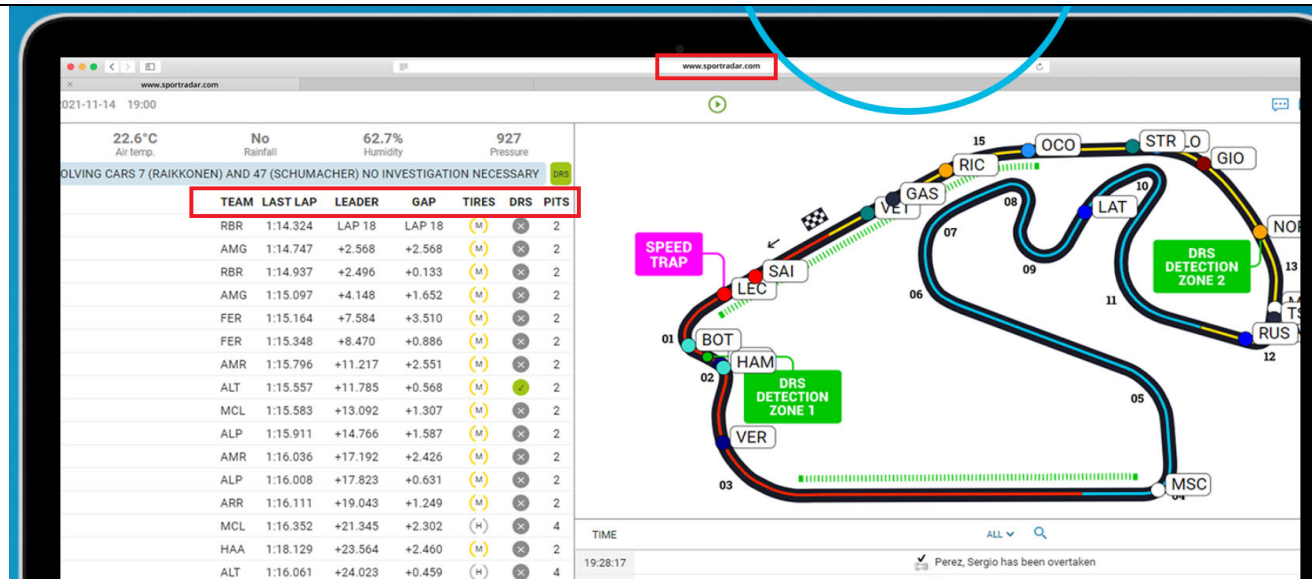
Underpinned by the largest network of data journalists in the world

Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

	<p>Live Channel Trading is integrated into the Live Data Client as a widget separate from other widgets that provide data on a match (i.e., scores, play-by-play, or statistics). Further, the other widgets can be interactive.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Boost your in-play trading</p> <p>Track a wide range of live match data, however and whenever you want. Get all the stats you need, right at your fingertips.</p> <p><u>And configure your interface, alerts, sizes and sounds for each sport, or keep it the same across the board.</u></p> </div> <div style="width: 45%;"> <p>What to expect</p> <ul style="list-style-type: none">  <u>Use any desktop or mobile browser</u>  <u>Configure widgets by sport, depending on what you need and what space is available on-screen</u>  Highlight the moments that matter with colour-coded status changes  Get alerts for easy match trading  Analyse more deeply thanks to integrated stats and match timeline </div> </div> <p>See, PANDA-SR_000113 at PANDA-SR_000114, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>
transmits at least the second event information to the second viewer client device of the second plurality of viewer client devices via a fourth event information Internet communication channel between the at least one second event socket of the at least one socket server and the second viewer client device of the second	<p>Sportradar Live Channel Trading includes the system of claim 19, wherein “<i>in C), the at least one socket server ... transmits at least the second event information to the second viewer client device of the second plurality of viewer client devices via a fourth event information Internet communication channel between the at least one second event socket of the at least one socket server and the second viewer client device of the second plurality of viewer devices.</i>”</p>

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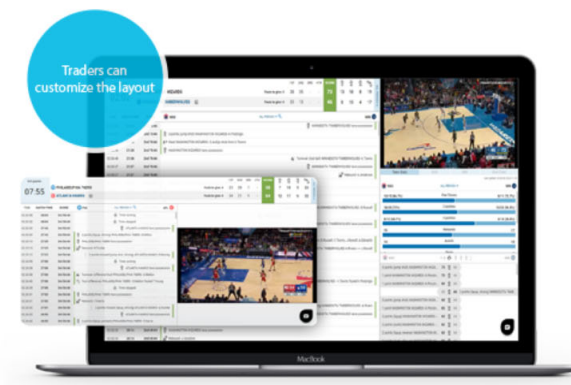
LIVE CHANNEL TRADING

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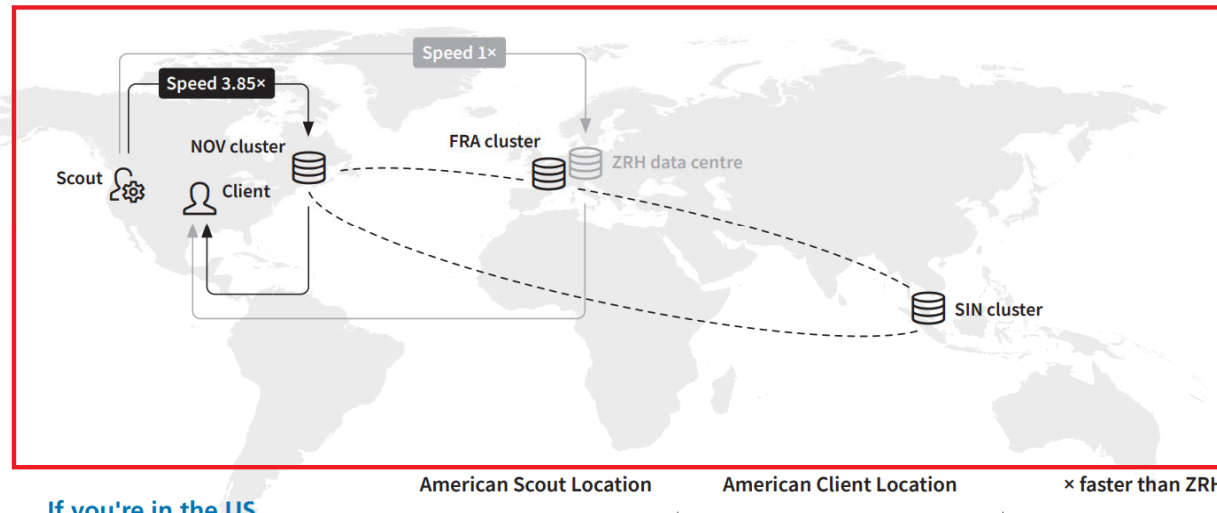
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See, PANDA-SR_000029 at PANDA-SR_000034, <https://www.betradar.com/live-streaming/live-channel-trading/>



Distributed live data setup



If you're in the US

See, PANDA-SR_000113 at PANDA-SR_000116, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

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Track a wide range of live match data, however and whenever you want. Get all the stats you need, right at your fingertips.

And configure your interface, alerts, sizes and sounds for each sport, or keep it the same across the board.

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Use any desktop or mobile browser



Configure widgets by sport, depending on what you need and what space is available on-screen



Highlight the moments that matter with colour-coded status changes



Get alerts for easy match trading



Analyse more deeply thanks to integrated stats and match timeline

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