



NOVRA ADDS BROADPEAK'S TECHNOLOGY TO ITS NEXT-GEN VIDEO PRODUCTS FOR THE OTT MARKET

Winnipeg, MB – (CNW – April 2, 2019): At the upcoming NAB show in Las Vegas April 6 to 11, International Datacasting (a Novra Group Company) and technology partner Broadpeak® will launch a new version of the Novra S400Pro satellite receiver that includes integrated Broadpeak nanoCDN™ technology. This new product helps pay TV operators and others implementing ABR (adaptive bitrate) formats, such as HLS or DASH, leveraging their existing network equipment for scalable, low-latency delivery of live streaming video.

The combination of the nanoCDN™ agent and the S400Pro enables delivery of ABR video content via satellite for multiscreen/multidevice playback. Key features include:

- ABR format video— suitable for multiple devices (from big screen to mobile phone)
- Works with any IP infrastructure at the edge— from local Wi-Fi and Ethernet to 4G/5G and cable
- Uses the latest open standards technologies such as MPEG CMAF for maximum quality and efficiency

Novra's S400Pro is a versatile, cost-effective satellite receiver that receives DVB-S/S2 and outputs IP data, including video streams for media players. Novra's family of satellite receivers, with over 80,000 installed globally, are widely used for applications such as weather networks, digital signage, media distribution, IP-TV and many others. The S400Pro is the next-generation in our satellite family and features a Linux OS, dual satellite inputs, dual LAN outputs, a USB port, on-board storage, SNMP and throughput of over 100 Mb/s. A DVB-S2X version will be available later in the year.

Broadpeak's nanoCDN™ makes it possible to deliver adaptive bitrate formats (HLS, DASH) over satellite, and therefore reach tablets, smartphones or other connected devices with a stream that has the quality of DTH broadcast. Adopting adaptive bitrate formats on satellite also allows merging satellite and OTT video offer into one consistent experience.

Novra Group CEO Harris Lontas commented, "We are excited to announce this technology partnership with Broadpeak. Novra's S400Pro is our new generation of satellite receivers, developed using our extensive application and domain knowledge and unparalleled ingenuity to create a platform for a family of products that are easily adaptable to diverse and changing customer requirements. Combining this with the efficient and flexible video delivery enabled by Broadpeak's nanoCDN™ results in a unique product to meet the dynamic requirements of our growing video customer base. The industry is facing big challenges as the way people access video continues to evolve at a rapid pace. Our growing suite of video solutions help our customers turn those big challenges into big opportunities."

"We are delighted to partner with Novra to enable the delivery of adaptive bitrate format via satellite. Both products combine perfectly to offer satellite operators the possibility of addressing mobile devices in addition to TVs" said Jacques Le Mancq, CEO of Broadpeak.

The S400Pro and nanoCDN™ will be on display at the National Association of Broadcasters NAB show in Las Vegas, April 6-11. International Datacasting/Novra Group will be in South Hall, booth SU3621, Broadpeak in Booth SU9221.

About Novra Technologies Inc.: Novra (TSX-V: NVI) is an international technology provider of products, systems and services for the distribution of multimedia broadband content. The Novra Group of companies includes Novra, International Datacasting Corporation, and Wegener Corporation. The companies in the group are known for a strong focus on applications including: broadcast video and radio, digital cinema, digital signage, and highly reliable data communications. For more information visit: www.novragroup.com

About Broadpeak®: Broadpeak designs and manufactures video delivery components for Content Providers and Network Service Providers deploying IPTV, Cable, Satellite, OTT and mobile services. Its portfolio of solutions and technologies powers the delivery of movies, television programming and other content over managed networks and the internet for viewing on any type of device. The company's systems and services help operators increase market share and improve subscriber loyalty with superior quality of experience. Broadpeak supports all of its customers worldwide, from simple installations to large delivery systems reaching capacities of several million of simultaneous streams. Broadpeak is headquartered in Cesson-Sevigne, France. For more information visit: <https://.broadpeak.tv>

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