

The World Fastest Packet Capture Appliance at it-sa 2019

SYNESIS Visualizes 200Gbps Traffic and Helps Resolve Issues to Ensure Network Quality and Reduce Cybersecurity Risk on the World's Fastest Networks

Roedermark, Germany, Sep 30, 2019 - dhs ELMEA tools GmbH, a leading network solution provider in Germany announces to exhibit SYNESIS of TOYO Corporation which had recorded the world first appliance to capture up to 200Gbps.

Ideally suited for field environments, SYNESIS provides field personnel and lab engineers with a powerful solution to help quickly identify and resolve issues with today's fastest networks. The appliance includes TOYO's patented technology which offers the capability to capture packets without any data loss. dhs ELMEA tools GmbH will be demonstrating the SYNESIS Portable at it-sa 2019, on October 8-10 in Nuremberg, Germany.

The growth in the number of connected devices, the advancement of AI technology and the emergence of the 5G mobile standard are compelling network service providers to update their infrastructure to the 100Gbps and 200Gbps in order to support the exponential demand for network bandwidth from these technologies. Meanwhile, cybersecurity threats are rapidly growing. With increasing sophistication and anonymity, cyberattack can have crippling effects.

The SYNESIS Portable is a packet capture appliance which continuously captures data traffic from 1Gbps up to 200Gbps. The appliance is powered by a patented technology titled "Data recording apparatus and method" which enables SYNESIS to perform captures even at 200Gbps full line rate without incurring any packet loss. For complete visibility or for more rigid cybersecurity, complete record is needed.

With this key capability, SYNESIS helps service providers identify and resolve network issues quickly and accurately. As a result, service providers can better manage their networks, ensure higher quality connections and eliminate the risk of network downtime and avoid catastrophe from financial and reputation damage.

The portable form factor allows for rapid deployment in the field. Service providers thus do not need to purchase several packet capture appliances for each data center, providing these customers with IT agility and cost-saving economics.

SYNESIS Portable Key Advantages

The SYNESIS Portable is a high-performance portable packet capture appliance which can capture from 1Gbps up to 200Gbps. Other key advantages include:

- **Capture without loss:** Capture and directly stream 200Gbps traffic to storage without any packet loss
- **High-speed extraction:** Reduce the time required to extract packets by saving indexing information
- **Portable:** Perform network packet captures onsite

SYNESIS Online Resources

SYNESIS Product Information: <https://www.synesis.tech/>

Why capturing 100 percent of all data frames is important: <https://youtu.be/tam-43ucUzg>

SYNESIS patent: <https://www.businesswire.com/news/home/20180906005011/en/TOYO-Corporation-Issued-Patent-Data-Recording-Technology>

The world first 200G capture

appliance <https://www.businesswire.com/news/home/20190423005353/en/TOYO-Corporation-Introduces-Portable-Packet-Capture-Appliance>

About dhs ELMEA tools GmbH

dhs ELMEA Tools GmbH provides measurement and development tools for fast computer and telecommunication interfaces, headquartered in Frankfurt with branch office in Munich, Austria and Netherlands. dhs ELMEA tools offers best available solutions based on challenges which customer is facing on as well as support and education. For more information, please visit the company's website at <http://www.dhs-tools.de/en/>

About TOYO Corporation

TOYO Corporation (TOKYO: 8151) is a Japanese technology company headquartered in Tokyo, Japan, with subsidiaries in the United States and China. Since its founding in 1953, TOYO has become the leading distributor of advanced measurement instruments and systems in Japan. TOYO also engages in original product designs and develops advanced solutions for many of the markets that it serves including automotive, sustainable energy, and cybersecurity industries. For more information, please visit the company's website at <https://www.toyo.co.jp/english/>.

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