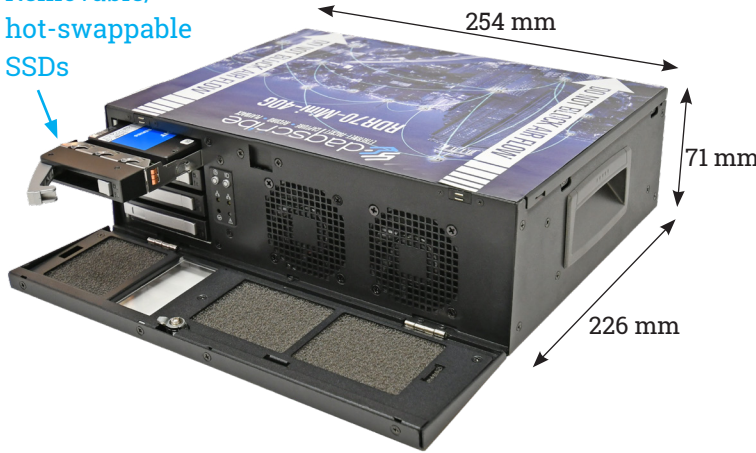





Removable/
hot-swappable
SSDs



FEATURE SUMMARY

- ✓ Minimized footprint - a low-cost "leave-behind" solution.
- ✓ Capture and record 100% of **40Gbps** Ethernet traffic.
- ✓ Order this system with up to **60 Terabytes (SSDs)** of local data storage.
- ✓ Fast data-offload options, including **2 USB 3.0 ports** and **2 10GbE RJ45 ports**.
- ✓ Interfaces with **VRT/VITA 49** or other digital radio devices.
- ✓ **STIG compliant & AES256 encryption options.**

SMART RECORDER APPLICATION EXAMPLES

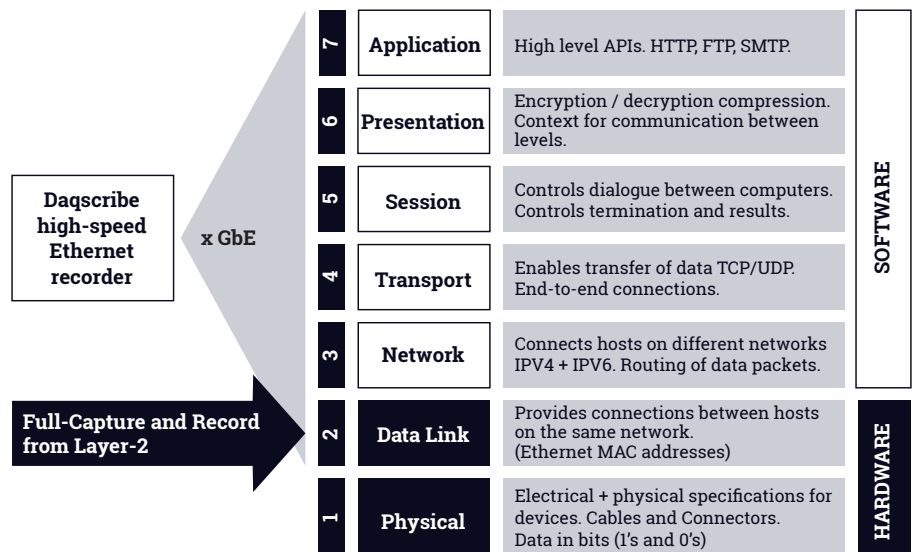
<h3>Wireless comms</h3>  <ul style="list-style-type: none"> ✓ remote radio ✓ 5G baseband ✓ μ/mmWave ✓ MIMO ✓ O-RAN 	<h3>Autonomous vehicle</h3>  <ul style="list-style-type: none"> ✓ LiDAR ✓ Machine-to-Machine IoT (i.e., MIPI® DSI) ✓ test & measurement 	<h3>Cable TV access</h3>  <ul style="list-style-type: none"> ✓ R-PHY node ✓ DOCSIS 3.1
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ANY NETWORK PROTOCOL

The **DDR70-Mini-25G-2** captures data from Layer-2 through Layer-7 of the Ethernet stack.

This includes recording IPV4 or IPV6 protocols at the network layer and TCP or UDP protocols at the transport layer.

The result is a full, **Protocol Agnostic**, Ethernet packet capture and record solution.



Performance	<ul style="list-style-type: none"> ✓ Data Rate: 2 x 25Gbps, optional support for 10G, 1G interfaces ✓ 100% packet capture/record throughput: 50Gbps
Network Interfaces	<ul style="list-style-type: none"> ✓ IEEE 802.3 25Gbps Ethernet support ✓ Network interface: 1 x SFP28 port ✓ SFP28 modules: 25GBASE-SR/LR
Hardware Time Stamp	<ul style="list-style-type: none"> ✓ Resolution: 1 ns, Stratum 3 compliant TCXO ✓ Time formats: PCAP-ns/-µs, UNIX 1 ns
Timing/Synchronization	<ul style="list-style-type: none"> ✓ SMA interface for PPS ✓ RJ45 100/1000BASE-T interface for IEEE1588 PTP support
Data Format	<ul style="list-style-type: none"> ✓ PCAP format (Capture/Record only) ✓ NTCAP – PCAP Style binary format (Capture/Replay) ✓ Command-line-interface utilities: Simple/quick conversion from NTCAP to standard PCAP format or payload extraction
Optional Capture /Record Features	<ul style="list-style-type: none"> ✓ Multi-port packet merge sequenced in time stamp order ✓ L2, L3 and L4 protocol classification: ✓ Filter match conditions: Network port, protocol, length check and error condition filters ✓ Slicing at dynamic offset or fixed offset from start or end of packet
Storage Options	<ul style="list-style-type: none"> ✓ NVMe NAND Flash (Enterprise) ✓ 6TB (37TBW), 12TB (74TBW), 25TB*/30TB (185TBW), 60TB* (370TBW) * special configuration ✓ Storage in TB with endurance TBW (Total Bytes written in PB) ✓ SSD endurance TBW is based on 128K sequential writing
CPU & Memory	<ul style="list-style-type: none"> ✓ Xeon SoC: Options from 4 to 16 cores ✓ System memory: Options from 16GB to 256GB
Peripherals	<ul style="list-style-type: none"> ✓ 2 x USB 3.0 Ports ✓ 1 x VGA Display ✓ Power Switch, Reset Switch & 4 x LED Indicators
Data Offload Options	<ul style="list-style-type: none"> ✓ 2 x 10GBase-T ✓ 2 x USB 3.0 Ports
Temperature	<ul style="list-style-type: none"> ✓ Operating temperature: 0 °C to 40 °C (32 °F to 104 °F) ✓ Operating humidity: 10~85% (non-condensing)
System Cooling	<ul style="list-style-type: none"> ✓ 3 x 60mm PWM cooling fans
Power Supply	<ul style="list-style-type: none"> ✓ 200W 100-240V AC, 50-60Hz Input
Dimensions & Weight	<ul style="list-style-type: none"> ✓ H 2.8" (71 mm) x W 10" (254 mm) x D 8.9" (226 mm) ✓ Weight: 7 lbs (3.2kg)
What's Included	<ul style="list-style-type: none"> ✓ Durable transportation case ✓ Optional rack-mount kit