



 dagscribe
ETHERNET PACKET CAPTURE • RECORD • PLAYBACK

2020

DDR70-Mini series

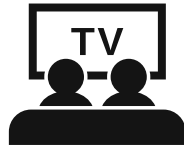
Applications

Wireless comms



- ✓ remote radio
- ✓ 5G baseband
- ✓ μ /mmWave
- ✓ MIMO
- ✓ O-RAN

Cable TV access



- ✓ R-PHY node
- ✓ DOCSIS 3.1

Radar



- ✓ phased array radar
- ✓ synthetic aperture radar
- ✓ 3D radar

Autonomous vehicle



- ✓ LiDAR
- ✓ IoT (i.e., MIPI® DSI)
- ✓ Test & Measurement

Features

DDR70-Mini-20G

Mini dual 10GbE-Link capture & record system

- ✓ Max system throughput: 20Gbps
- ✓ Storage: 3TB, 6TB, 12TB, 25TB*, 30TB
- ✓ SWaP: 10"(254mm)W X 2"(43mm)H X 9"(226mm)D | 6lbs(3.2kg) | ~150W
Optional

10GbE-link x 2

10/100/1000MbE links



DDR70-Mini-20G extended capacity

Mini dual 10GbE-Link capture & record system

- ✓ Max system throughput: 20Gbps
- ✓ Storage: 25TB*, 30TB
- ✓ SWaP: 10"(254mm)W X 3"(71mm)H X 9"(226mm)D | 6.7lbs(3.2kg) | ~150W
Optional

10GbE-link x 2

10/100/1000MbE links



Removable hot-swappable SSDs

DDR70-Mini-40G

Mini single 40GbE-Link capture & record system

- ✓ Max system throughput: 40Gbps
- ✓ Storage: 6TB, 12TB, 25TB*, 30TB, 60TB*
- ✓ SWaP: 10"(254mm)W X 2"(43mm)H X 9"(226mm)D | 7lbs(3.2kg) | ~150W
Optional

40GbE-link x 1

10GbE-link x 4

10/100/1000MbE links



DDR70-Mini-25G-2

Mini dual 25GbE-Link capture & record system

- ✓ Max system throughput: 50Gbps
- ✓ Storage: 6TB, 12TB, 25TB*, 30TB, 60TB*
- ✓ SWaP: 10"(254mm)W X 2"(43mm)H X 9"(226mm)D | 7lbs(3.2kg) | ~150W
Optional

25GbE-link x 2

10GbE-link

10/100/1000MbE links



* special configuration

Recorders

Features

RUGGED RDR70-Mini-40G

Rugged mini single 40GbE-Link capture & record system

- ✓ Max system throughput: 40Gbps
- ✓ Storage: 6TB, 12TB, 25TB*, 30TB
- ✓ SWaP: 14"(348mm)W X 4"(100mm)H X 11"(289mm)D
| 14bs(6.5kg) | ~180W

* special configuration

40GbE-link x1

10GbE-link x4

10/100/1000MbE links

Recorders

Optional conduction cooling

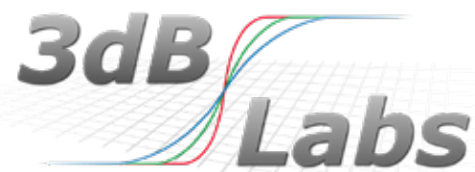
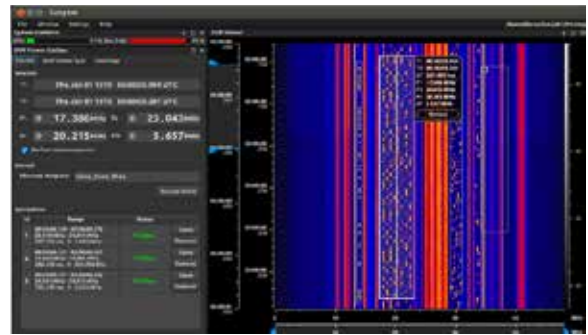


Optional

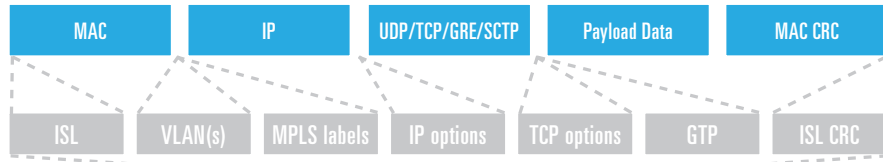
Highlights

- ✓ Minimized footprint
- ✓ A low-cost "leave-behind" solution
- ✓ Interfaces with VRT/VITA 49 or other digital radio devices
- ✓ STIG compliant
- ✓ AES256 encryption options

A versatile processing platform
(software examples)

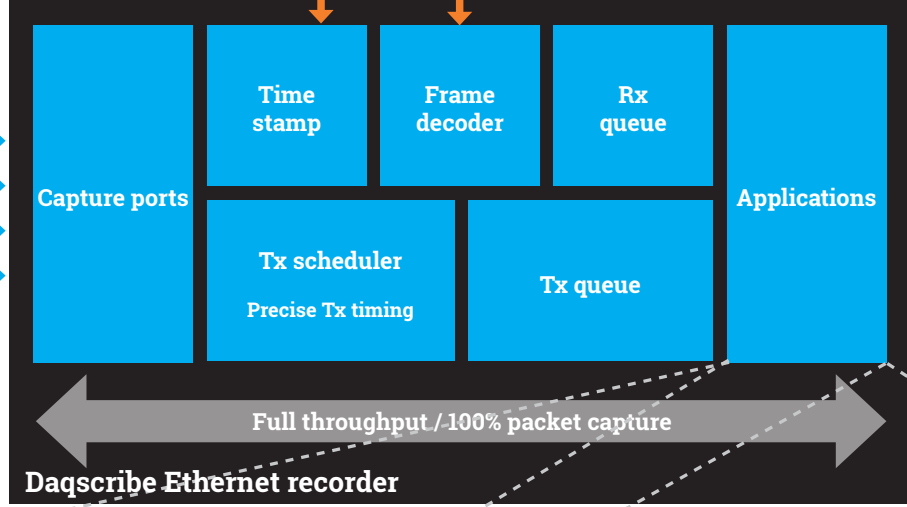


SYSTEM BLOCK DIAGRAM



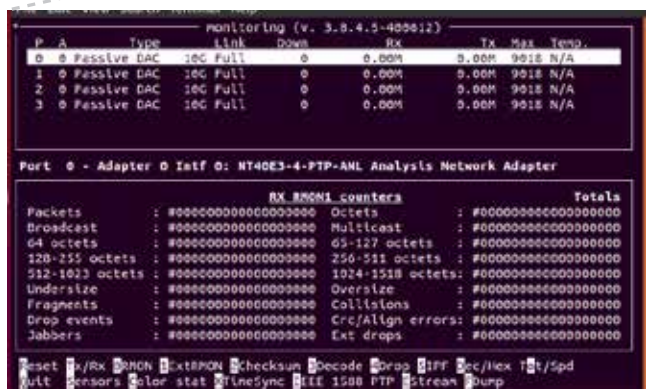
IPV4, IPV6, UDP, TCP, GRE, SCTP, EtherIP and GTP
IPPS, IEEE1588

- 10/100/1000MbE/RJ45
- 10GbE / SFP+
- 25GbE / SFP28
- 40GbE / QSFP+

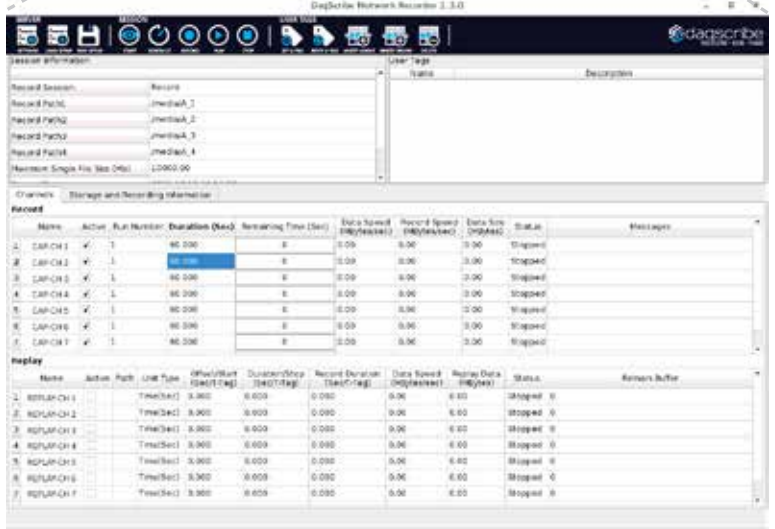


Daqscribe Ethernet recorder

Daqscribe network monitoring utility



Daqscribe netREC software



Monitoring tool main features

- ✓ Port statics / RMON counters RX - TX
- ✓ Checksum error counters
- ✓ Packet decode counters
- ✓ Drop counters
- ✓ IPF table counters
- ✓ Sensor monitoring
- ✓ PPS statistics
- ✓ IEEE 1588 PTP

- ✓ Capture/record/playback using simple command line utilities.
- ✓ Playback once or loop-back from a recorded file back to a port.
- ✓ netREC software suite provides full blown record/playback features for long-term operations.

Daqscribe

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