Net.Hunter **Tap**&**Capture** device

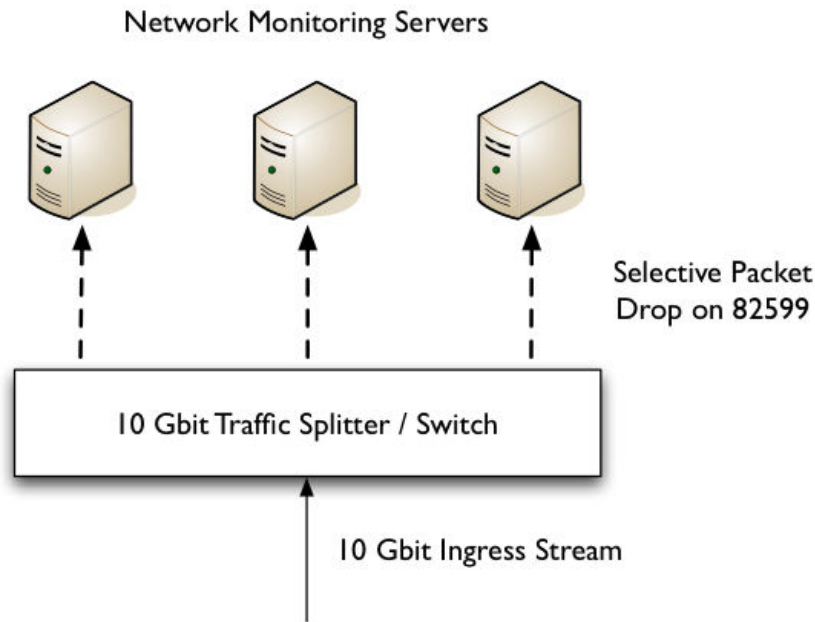Taping, Filtering , Aggregation , Storage battery operated device

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the Path to Excellence

Net.Hunter – Capture & Save live IP packets anywhere

1. Tap and at any point: totally autonomous keyboard, screen, etc.
2. Complete mobility:1kg and battery for several hours
3. Save and Store in a hard-disk up to 120Gbytes of IP packets
4. Wirespeed operation: no packet delay on the live traffic
5. Undetectable: as no MAC or IP address
6. Complete (100%) analysis of the whole stream

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Network Monitoring Servers

Selective Packet
Drop on 82599

10 Gbit Traffic Splitter / Switch

10 Gbit Ingress Stream

◆ Capture the 100% of compliant traffic is key for successful analysis
but.. packet were lost while capturing !!!

◆ *What happened?*
Not all packets coming could be saved

◆ The PC was too slow to handle packets some had to be discarded]
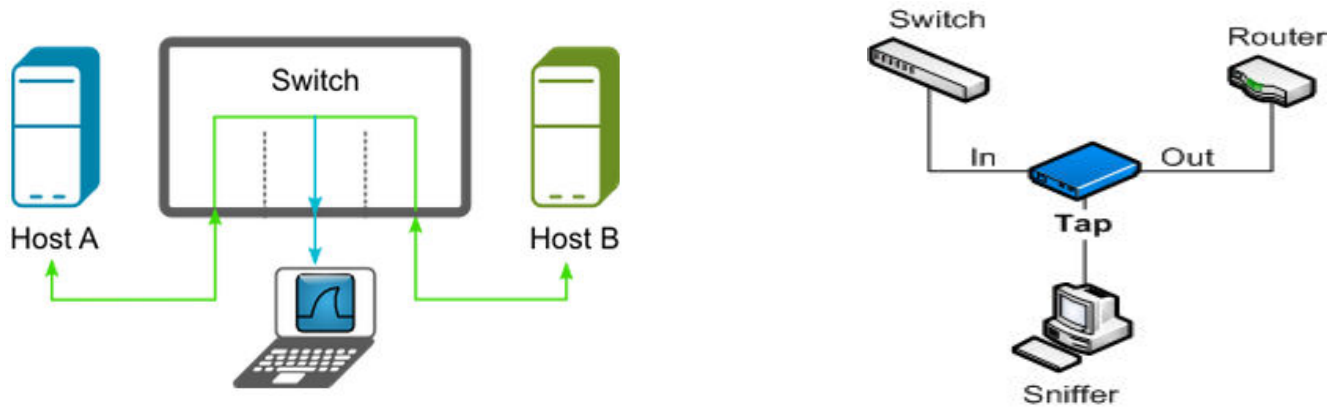
Monitor Ports (MP)

◆ do not pass bad / long / short frames, or VLAN tags

◆ change timing – you can't do any timing studies, no jitter …

◆ MP / replication is low priority of a switch and thus issues

Consequently

◆ Monitor ports are NOT acceptable law enforcement surveillance

◆ Monitor ports are NOT acceptable for Compliance or Audit studies

>>> Use a Net.Hunter because it can do the job

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Unique **Tap** & **Storage** device

223 mm

144 mm

- 1 kg
- Battery
- Keyboard + Screen

- SFP - Span Ports
- RJ45 - Drop Port

- Remote Control Port
- USB and Printer

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Net.Hunter – **Easy GUI** for field engineers

Port A Softleds

Port B Softleds

Date and Time

Current Panel

Time
Navigation

Test
Selects a particular test

Setup
Configures a test

Results
Checks test results

File
Manages results, configurations and reports

System
Sets system time, display brightness...

Cable
Link
Frame
Error
Action
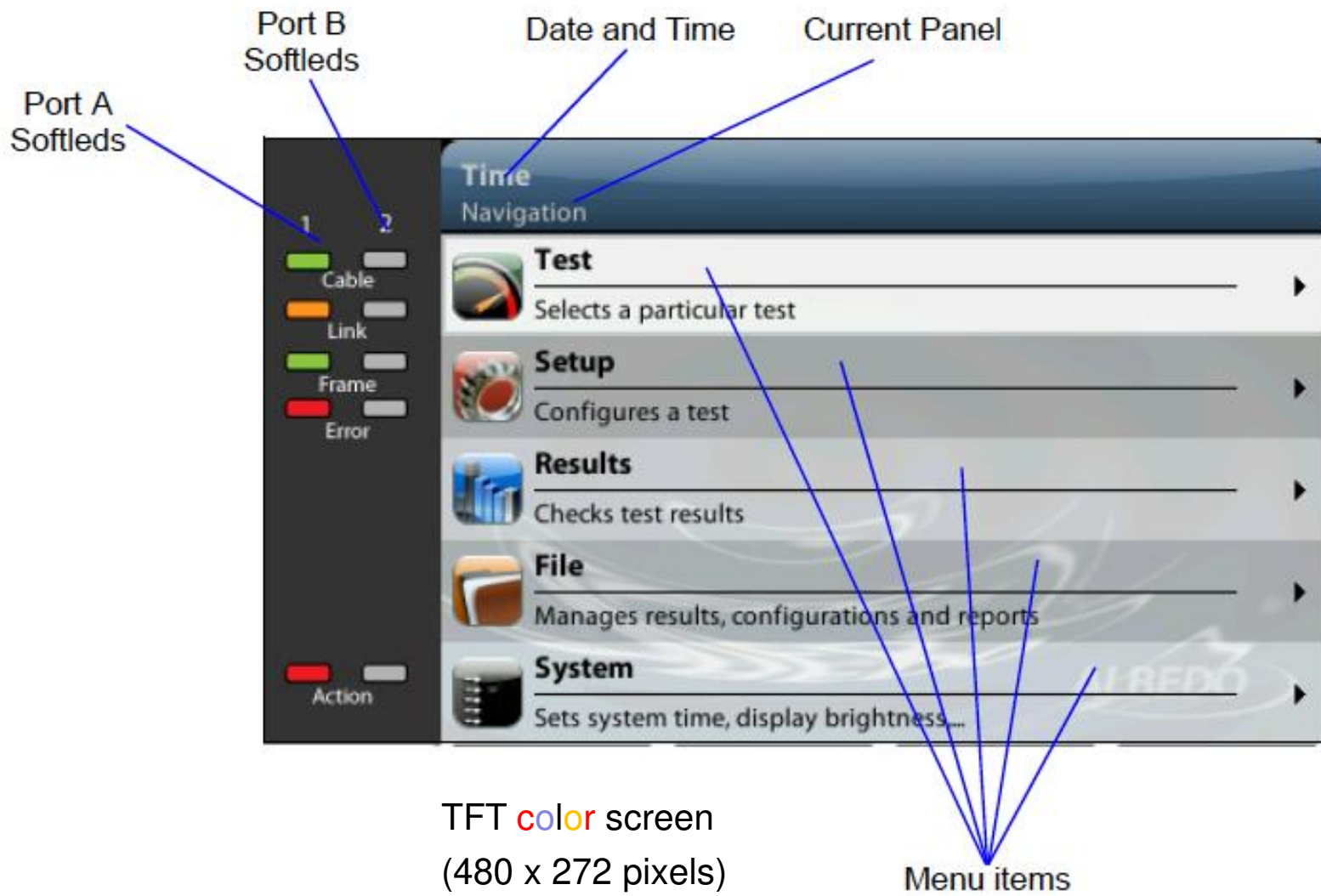
TFT color screen
(480 x 272 pixels)

Menu items

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Net.Hunter vs. Filtering
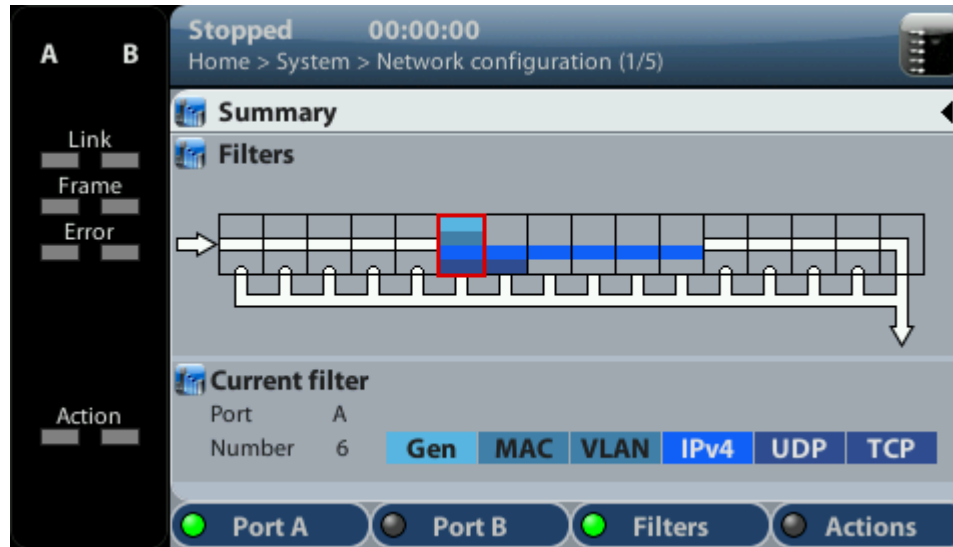
Net.Hunter

- equipped with 16 filters to capture traffic in real time
- Full Dulex Operation means independent Up/Downstream filters
- All filters (16+16) can work simultaneouslly at wirespeed (1Gb/s + 1Gb/s)
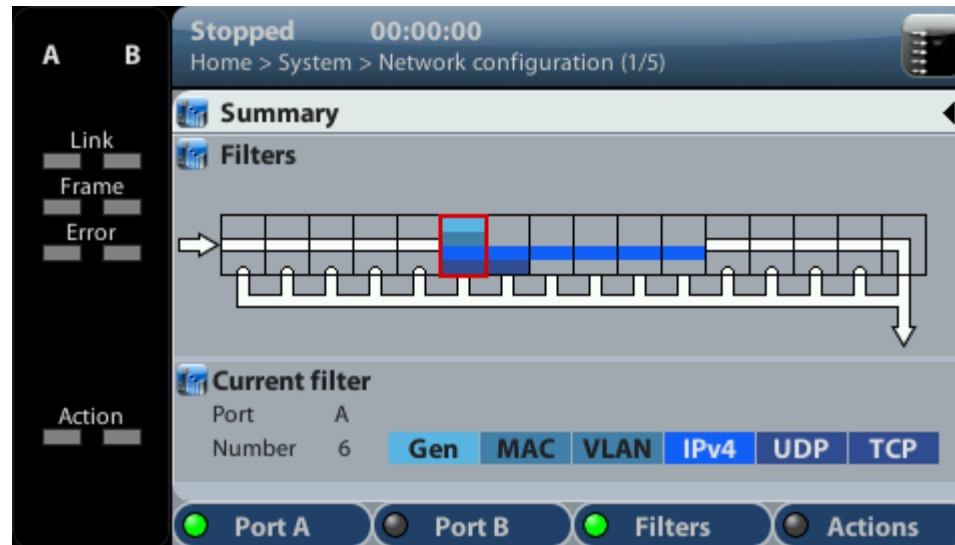- Multiplayer filters: MAC, VLAN, IP, UDP, TCP, etc.

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World **first** hand-held tool

◆ **Captures** ALL **packets** that are

- Compliant with a trigger condition
- Compliant with any of the 16 programmable filter

◆ Caught packets --in full duplex GbE links– can be

- **SAVED** in local hard-disk
- **TAPED** to 1000BASE-T

All the operations at **wirespeed**

Net.Hunter is equipped with 16 filters to capture traffic in real time

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Ethernet filters 16 simultaneous filters can be applied to the traffic

- Customizable by Ethernet, IP, UDP and TCP
- Agnostics filters by 16 bits masks and offset
- Lawful filter: 64 byte pattern

o Ethernet filters 16 simultaneous filters can be applied to the traffic

- By source and destination MAC addresses.
- Selection of MAC address sets with masks
- By Ethertype value with selection mask
- By VLAN-VID with selection mask
- By VLAN-CoS value with selection mask

o IP filters

- IP address: source, destination, or both
- IP address group: subset of addresses filtered by masks
- Protocol encapsulated (TCP, UDP, Telnet, FTP, etc.)
- DSCP field, single value and range
- TCP/UDP port, single value and rangeCaptures ALL packets that are

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Net.Hunter in Operation
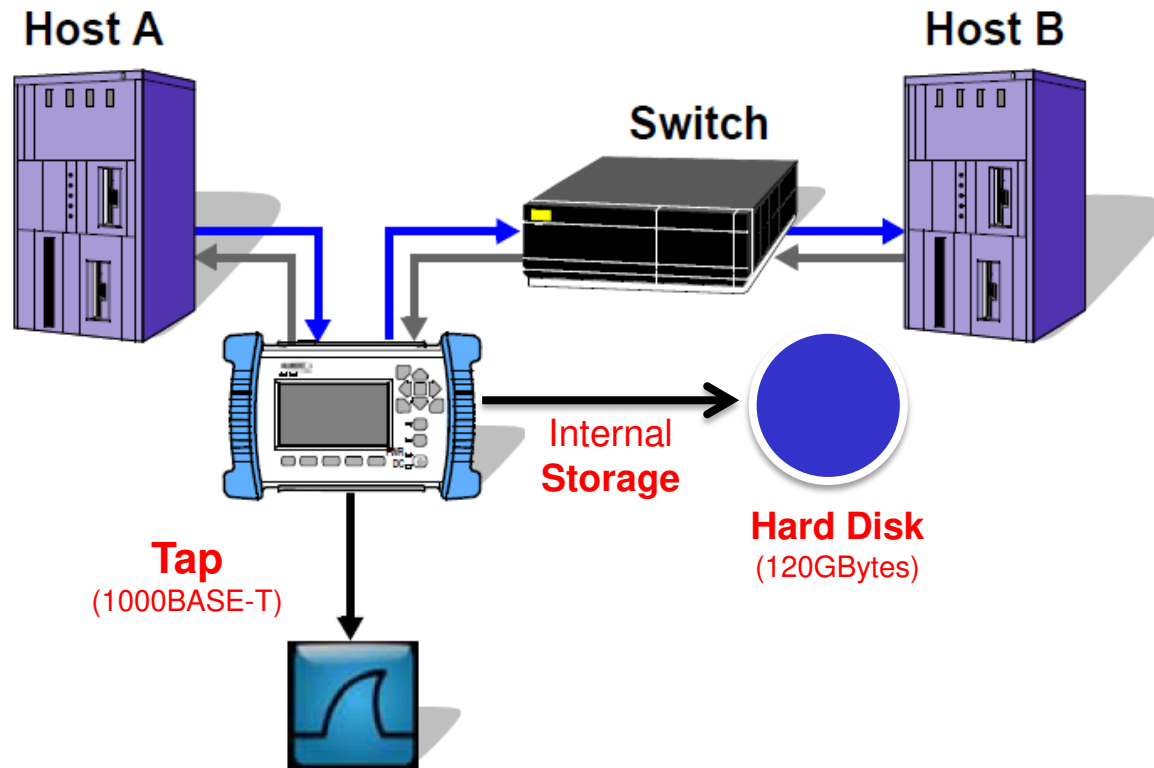
- 100% conformance packets with one filter are C&P
- The copy is Dropped to the LAN port or Saved in Memory
- **ALL** the operations are executed in real time: 1Gb/s throughput

◆ Protocol analysis VoIP, IPTV

- Wirespeed Captures
- Whatever wireshark does

◆ Security

- Internet analysis
- 100% capture is a must
- Intelligence agencies

◆ Enterprise

- Protocol Analysis
- Troubleshooting

◆ Lawful
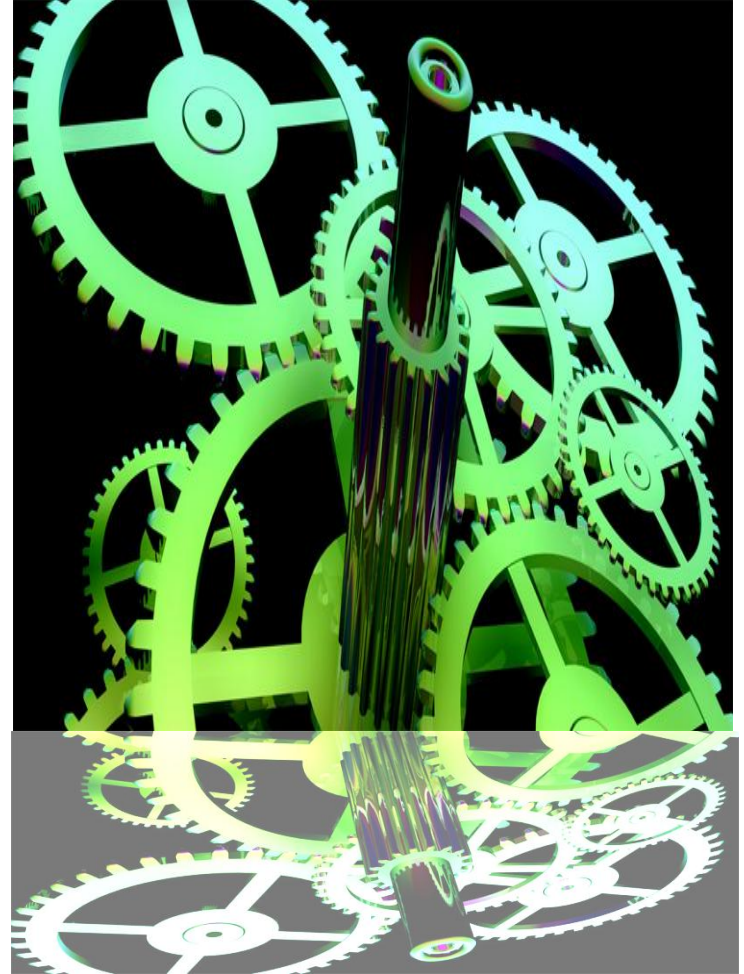
Net.Hunter - Competitors

◆ **FIELD OPERATION**: hand-held (4h. with batteries)

◆ **STORAGE CAPACITY**: up to 120 Gbytes captured packets

◆ **HARDWARE PERFORMANCE**: 100% lossless at GbE

◆ **FDX TIME STAMPS**: protocols are full duplex

◆ **REMOTE CONTROL**: from any VNC platform

◆ **ACCURATE REPORTING**: for further analysis

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That's all

Messkom Vertriebs GmbH
Awarenring 38
D 85419 Mauern,

Tel.: 08764 9484-30,
Fax: 08764 9484-33

Email: info@messkom.de
Web: www.messkom.de

messkom

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