

# Net.Hunter Tap & Capture device



Taping, Filtering, Aggregation, Storage battery operated device



# Unique Capture Device



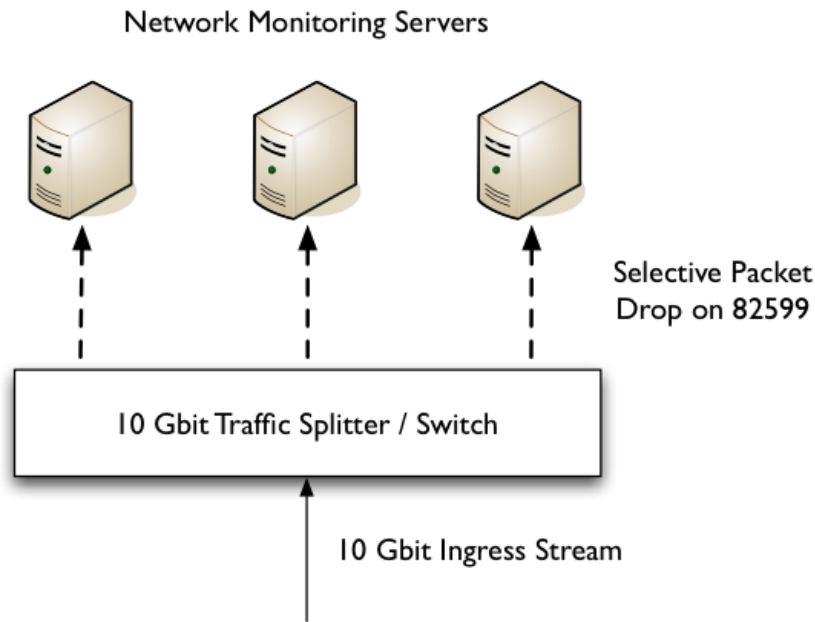
**Net.Hunter** – Capture & Save live IP packets anywhere

# Forget limitations in Packet Capture



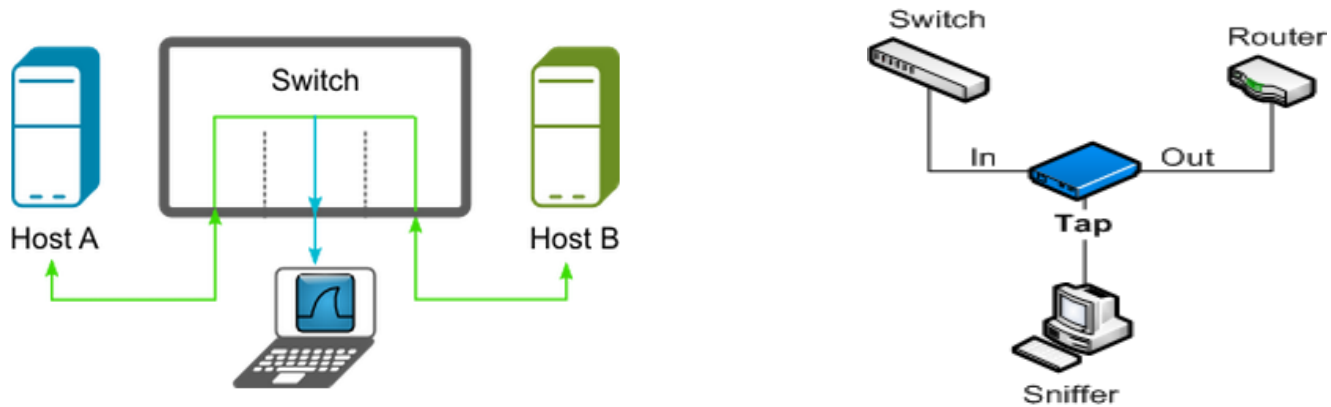
1. Tap and at any point: totally autonomous keyboard, screen, etc.
2. Complete mobility: 1kg and battery for several hours
3. Save and Store in a hard-disk up to 120Gbytes of IP packets
4. Wirespeed operation: no packet delay on the live traffic
5. Undetectable: as no MAC or IP address
6. Complete (100%)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

# Wirespeed Requirement



- ◆ 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]

# Net.Hunter vs. Monitoring Ports



## 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**

# Unique Tap & Storage device



- 1 kg
- Battery
- Keyboard + Screen

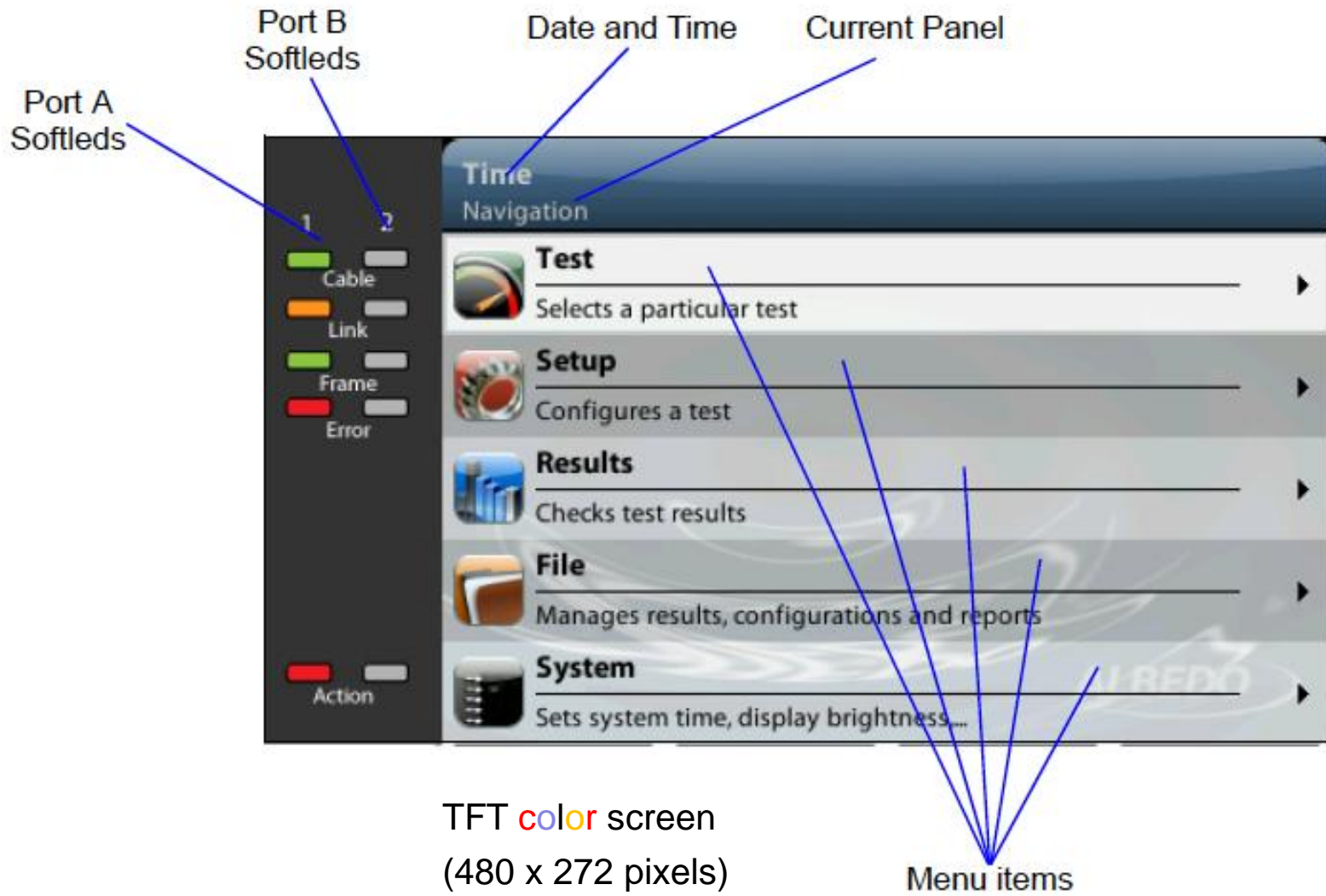


- SFP - Span Ports
- RJ45 - Drop Port



- Remote Control Port
- USB and Printer

# Net.Hunter – Easy GUI for field engineers

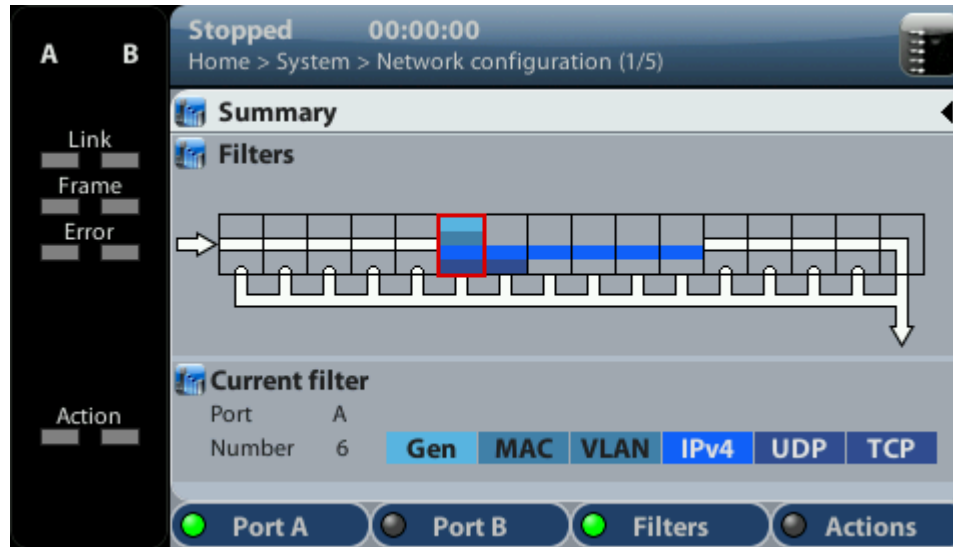


TFT color screen  
(480 x 272 pixels)

Menu items



# Net.Hunter vs. Filtering



## Net.Hunter

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



# Net.Hunter : Unique Tap & Store device

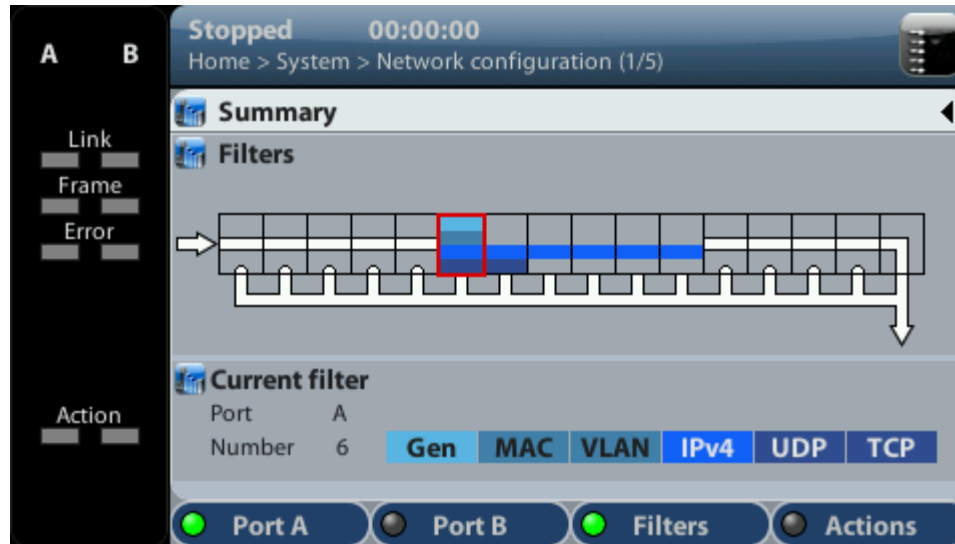
World **first** hand-held tool

- ◆ **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 – Tap & Filtering



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

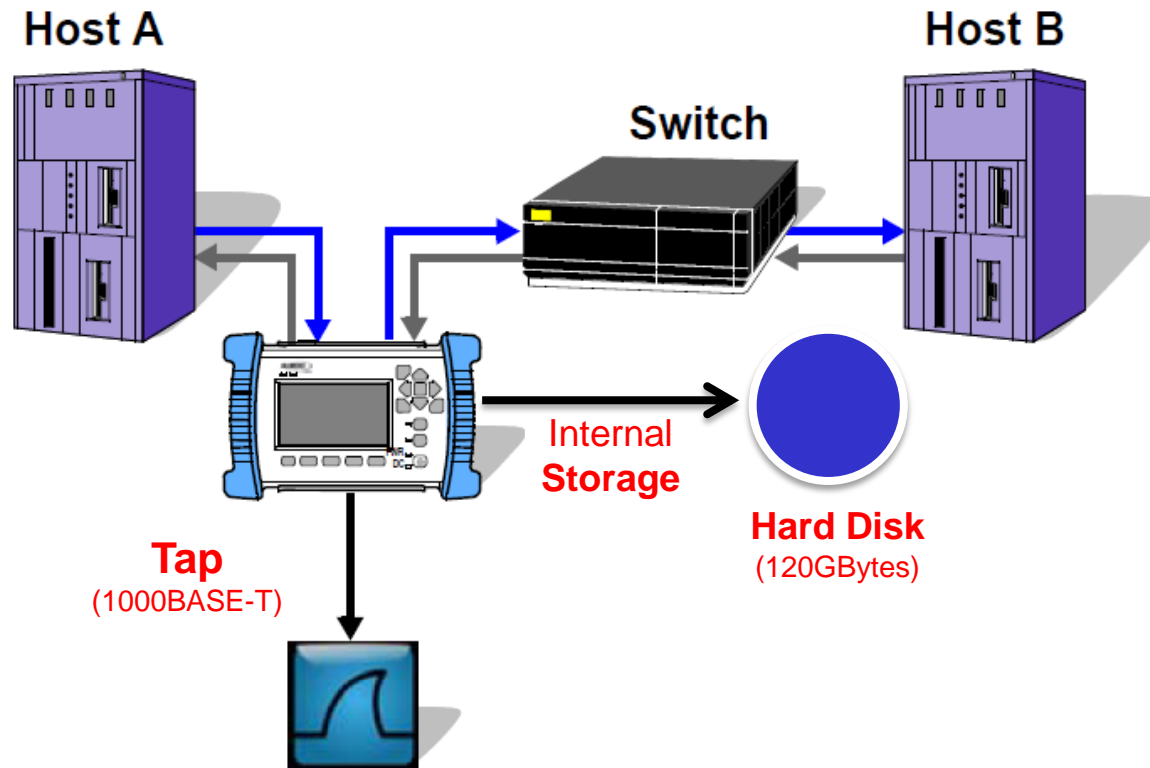
# Net.Hunter : Unique Tap & Store device

## 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
- 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
  - 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



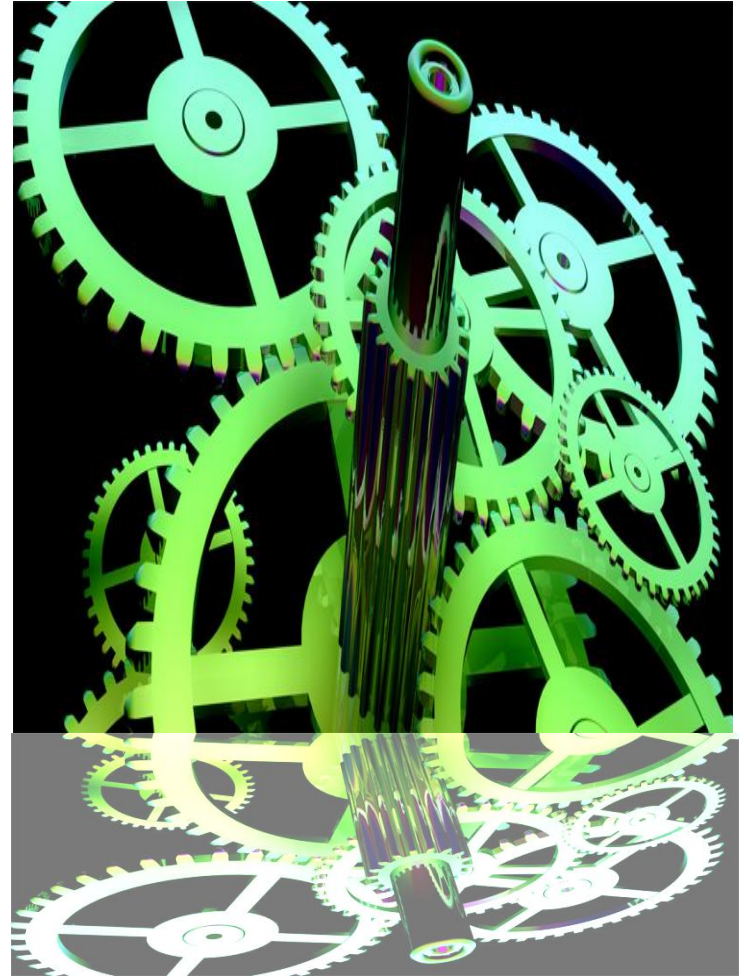
# Net.Hunter in Operation



- ◆ 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

# Field Applications

- ◆ 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



# Why Net.Hunter



- ◆ **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



That's all



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