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Episode #49

Gizmos and Gadgets

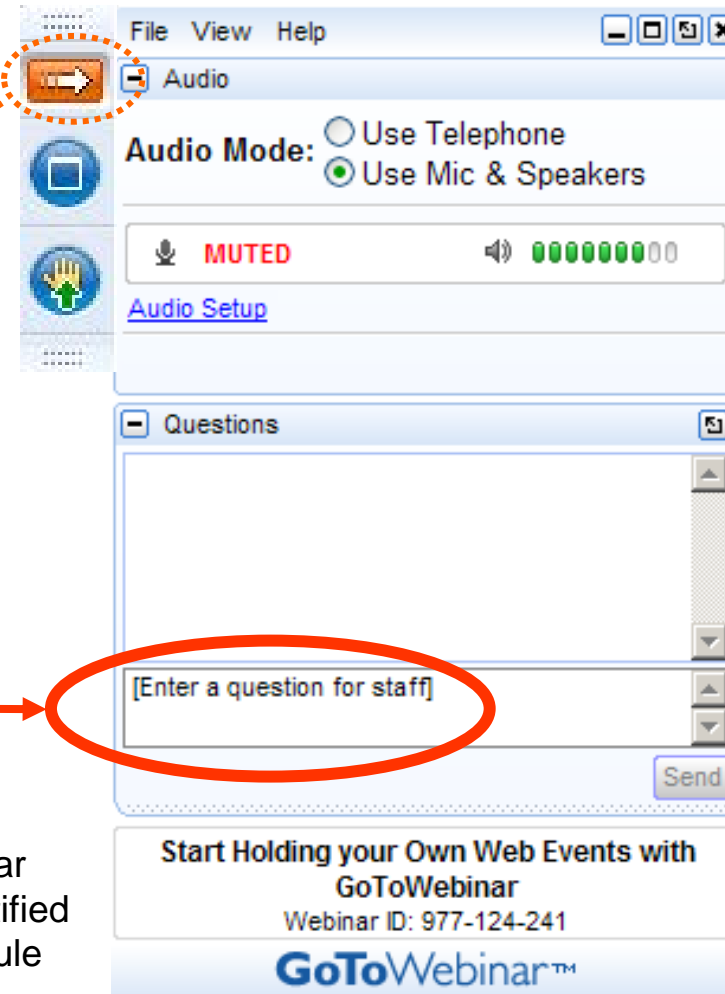
Your questions please?

(if you don't see the control panel,
click on the orange arrow icon to
expand it)

Please enter your questions in the
text box of the webinar control panel
(remember to press send)



Remember: The completion of a Nautel webinar qualifies for ½ SBE re-certification credit, identified under Category I of the Re-certification Schedule for SBE Certifications.



Ideas for things to cover

- Hardware
 - Safety
 - Cost effective
 - Easy to use
 - Monitoring
 - RDS/HD Radio
 - SDRs?
 - Other tools
 - Site access
- Software
 - Personal (password keepers, for example)
 - Site and IT oriented (network monitors, SNMP, port scanners, etc)



Southwire Tools 40116N NCV Detector 100-600V AC

[Visit the Southwire Store](#)

★★★★★ 755 ratings | 5 answered questions

Amazon's **Choice** for "voltage"

List Price: ~~\$17.10~~ [Details](#)

Price: **\$14.98**

You Save: **\$2.12 (12%)**

Brand	Southwire
Style	100-600V AC
Item Weight	0.16 Pounds
Item Dimensions LxWxH	0.83 x 0.99 x 6.23 inches





\$51⁷⁵

How to Get It

Delivering to: 04605 | [Change](#)



Ship to Store
Pickup
Oct 18 - Oct 21
FREE



Ship to Home
Get it by
Wed, Oct 20
FREE



Scheduled Delivery
Not available for this
item

<https://www.homedepot.com/p/Brady-Prinzing-Economy-Breaker-Lockout-Kit-LKBLOECON/203745627>





Thermal Imager, 2.4 Inch Digital LCD Display Screen Portable Handheld Thermal Imager Thermal Imaging Camera Thermometer Measurement Instrument Multipurpose Detection Tool

Brand: Hancaner

Price: **\$150.99**

Get a **\$35 Amazon.ca Gift Card** instantly, plus up to 5% back for 6 months after approval for the Amazon.ca Rewards Mastercard. Pay ~~\$150.99~~ **\$115.99** for this order after approval.

- Built-in rechargeable lithium battery, Micro USB interface, you do not need to worry about the battery.
- The refresh rate is 8Hz, the target temperature measurement range is -40°C to $+300^{\circ}\text{C}$, and the use environment is 0°C to 50°C .
- The emissivity can be adjusted from 0.1 to 0.99 range.
- Sensor probe field angle, default 75 degrees*110 degrees MLX90640BAA probe.
- 2.4 inch LCD screen resolution is 320*240, the screen shows the highest temperature, the lowest temperature, the center point temperature, displays each coordinate point.

PortPeeker 2.7.0.21

Author: Binary Visions Inc.

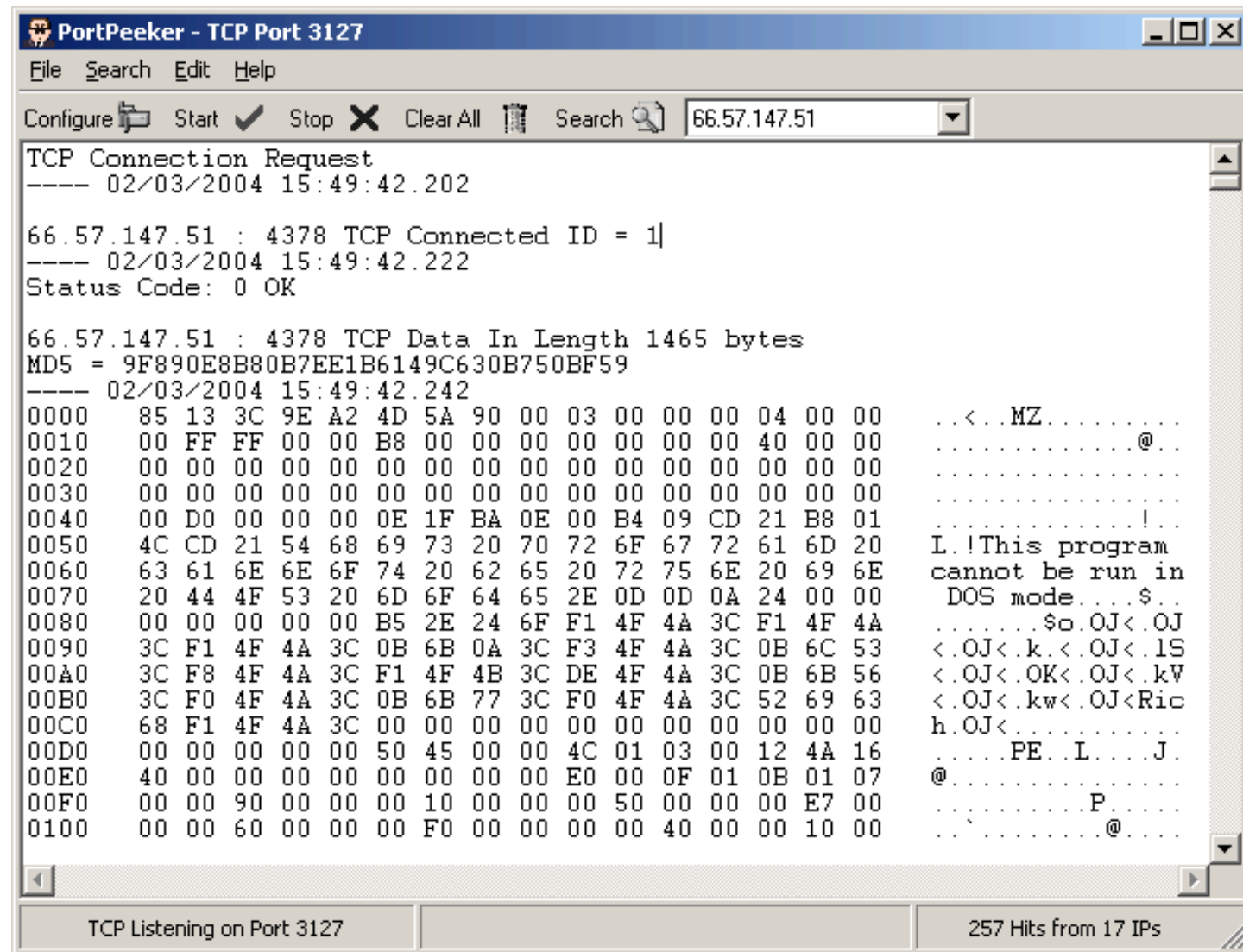
Date: 06/26/2004 10:48 PM

Size: 767 KB

License: Freeware

Requires: Win

XP/2003/08/Vista/Windows7



The screenshot shows the PortPeeker application window titled "PortPeeker - TCP Port 3127". The interface includes a menu bar (File, Search, Edit, Help), a toolbar with buttons for Configure, Start, Stop, Clear All, and Search, and a text input field containing the IP address "66.57.147.51". The main display area shows the following text:

```
TCP Connection Request
---- 02/03/2004 15:49:42.202

66.57.147.51 : 4378 TCP Connected ID = 1|
---- 02/03/2004 15:49:42.222
Status Code: 0 OK

66.57.147.51 : 4378 TCP Data In Length 1465 bytes
MD5 = 9F890E8B80B7EE1B6149C630B750BF59
---- 02/03/2004 15:49:42.242
0000 85 13 3C 9E A2 4D 5A 90 00 03 00 00 00 04 00 00 ...<..MZ.....
0010 00 FF FF 00 00 B8 00 00 00 00 00 00 00 40 00 00 .....@..
0020 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
0040 00 D0 00 00 00 0E 1F BA 0E 00 B4 09 CD 21 B8 01 .....!..
0050 4C CD 21 54 68 69 73 20 70 72 6F 67 72 61 6D 20 L.!This program
0060 63 61 6E 6E 6F 74 20 62 65 20 72 75 6E 20 69 6E cannot be run in
0070 20 44 4F 53 20 6D 6F 64 65 2E 0D 0D 0A 24 00 00 DOS mode...$.
0080 00 00 00 00 00 B5 2E 24 6F F1 4F 4A 3C F1 4F 4A .....$.OJ<.OJ
0090 3C F1 4F 4A 3C 0B 6B 0A 3C F3 4F 4A 3C 0B 6C 53 <.OJ<.k<.OJ<.lS
00A0 3C F8 4F 4A 3C F1 4F 4B 3C DE 4F 4A 3C 0B 6B 56 <.OJ<.OK<.OJ<.kV
00B0 3C F0 4F 4A 3C 0B 6B 77 3C F0 4F 4A 3C 52 69 63 <.OJ<.kw<.OJ<Ric
00C0 68 F1 4F 4A 3C 00 00 00 00 00 00 00 00 00 00 00 h.OJ<.....
00D0 00 00 00 00 00 50 45 00 00 4C 01 03 00 12 4A 16 .....PE..L...J.
00E0 40 00 00 00 00 00 00 00 00 E0 00 0F 01 0B 01 07 @.....
00F0 00 00 90 00 00 00 10 00 00 00 50 00 00 00 E7 00 .....P.....
0100 00 00 60 00 00 00 F0 00 00 00 00 40 00 00 10 00 .....@.....
```

The status bar at the bottom indicates "TCP Listening on Port 3127" and "257 Hits from 17 IPs".

<https://portpeeker.software.informer.com/2.7/>



ADVANCED PORT SCANNER

Home

Help

English

Free port scanner

- ✓ Fast scanning of network devices
- ✓ Identification of programs running on detected ports
- ✓ Easy access to resources found: HTTP, HTTPS, FTP and shared folders
- ✓ Remote access to computers via RDP and [Radmin](#)

Free Download

Release : **2.5.3869**

License : **free of charge**



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AUGUST 13, 2019

REVIEWS OF THE NANOVNA: AN ULTRA LOW COST \$50 VECTOR NETWORK ANALYZER

A vector network analyzer (VNA) is an instrument that can be used to measure antenna or coax parameters such as SWR, impedance and loss. It can also be used to characterize and tune filters. It is a very useful tool to have if you are building and tuning home made antennas, filters or other RF circuits. For example if you are building a QFH or ADS-B antenna to use with an RTL-SDR, a VNA can help ensure that your antenna is properly tuned to the correct frequency. Compared to a standard SWR or network analyzer a VNA supplies you with phase information as well.

Until just recently, VNA's have cost roughly US\$500 for a decent USB PC based unit like the miniVNA or PocketVNA, and have set people back thousands to tens of thousands of dollars for bench top units.





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GREENSHOT

Greenshot is the most awesome tool for making screenshots you can get on your Windows PC. Get it now!

DOWNLOAD NOW

Greenshot is completely
free and open source!

FOR FREE!

LIKE IT?

SUPPORT US

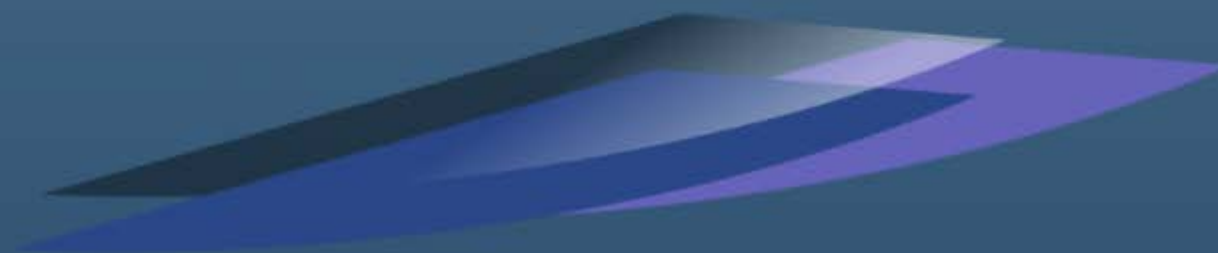
Greenshot is completely
free and open source!

What is Greenshot?

Greenshot is a light-weight screenshot software tool for Windows with the following key features:

- Quickly create screenshots of a selected region, window or fullscreen; you can even capture complete (scrolling) web pages from Internet Explorer.
- Easily annotate, highlight or obfuscate parts of the screenshot.





Bulk Rename Utility

The Free File Renaming Utility for Windows.
Rename multiple files with the click of a button.

[Free Download](#)





Current Version 8.1.5

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What is Notepad++

Notepad++ is a free (as in “free speech” and also as in “free beer”) source code editor and Notepad replacement that supports several languages. Running in the MS Windows environment, its use is governed by GNU General Public License.

Based on the powerful editing component Scintilla, Notepad++ is written in C++ and uses pure Win32 API and STL which ensures a higher execution speed and smaller program size. By optimizing as many routines as possible without losing user friendliness, Notepad++ is trying to reduce the world carbon dioxide emissions. When using less CPU power, the PC can throttle down and reduce power consumption, resulting in a greener environment.





<https://shop.elad-usa.com/sdr-radio/fdm-s1/>





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Sangean HDR-14 HD Radio/FM Stereo/AM Portable Radio, standart , Black

[Visit the Sangean Store](#)

★★★★★ ▾ 475 ratings | 69 answered questions

Amazon's Choice in Portable Shortwave Radios by SangeanList Price: ~~\$99.95~~ [Details](#)Price: **\$80.78**You Save: **\$19.17 (19%)**\$22.42 Shipping & Import Fees Deposit to Canada [Details](#) ▾Available at a lower price from [other sellers](#) that may not offer free Prime shipping.Style: **Radio**



Roll over image to zoom in



WORKS WITH ALEXA

Control this with your device: **Kitchen**



This item

+



You have this

=

"Alexa, show the front door camera."

[^ See Less](#)

Indoor/Outdoor Usage

Indoor

Brand

Blurams

Connectivity Technology

Wireless

Room Type

Office, Kitchen, Bathroom, Living Room, Bedroom, Classroom, Study Room, Hallway

Form Factor

Dome

About this item

- 360°Coverage with 2K Resolution - blurams security camera automatically tracks the motion if detect motion. Features in IR-CUT function to capture crisp videos and photos from the day to night, even in the dim condition. Turn on privacy mode to protect your privacy.





Obviously the site access tools should be in the toolbox, especially for a shared site with a daisy chain of locks.

What other tools are indispensable in the toolkit?

Online Information



Webinars

<https://www.nautel.com/resources/webinars/>



Nautel Waves Newsletter

<https://www.nautel.com/newsletters/>



YouTube

<http://www.youtube.com/user/NautelLtd>



Online Info, such as the Broadcasters' Desktop Resource

<https://www.thebdr.net/>



THANK YOU!

