



COMMISSIONING NETWORKS



DESIGN



INSTALL



VERIFY

Background:

If your company is contracted to add devices to an existing network, How do you know if the network is capable of handling the new devices?

Your company just installed a video security system and the next day you receive a call that the system isn't working.

- How can you prove the system was properly installed when your installer left?
- How do you prove that problems are your responsibility or due to other factors?
- If your company offers service contract how do you distinguish between service calls covered by your service contract and those that are not?

The solution is Vigatron's NeTester™ software.

NeTester™ is a complete software that allows you to:

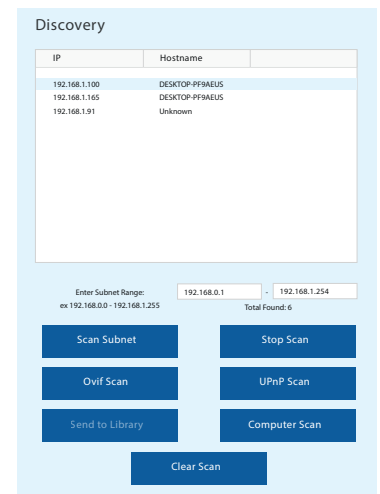
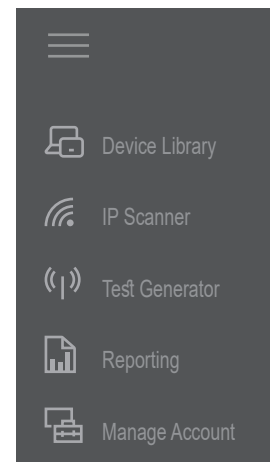
- Evaluate existing capacity
- Quickly locate and determine system problems
- Commission systems providing a complete record of network performance.



NeTester™ is a simple to use Windows™ based program that can run on laptops. Operators can create a complete device library either manually or using the built in Scanner to identify all connected devices.

Its test generator can be used to determine conductivity and transmission limitations as to bandwidth and packet handling.

- The NeTester™ can inform you **Why** device cannot connect, video Drops, see distorted video.
- NeTester™ can tell you **What** IP address have changed, customers added or removed devices.
- The built in scanner can easily Identify connected devices including those that are ONVIF compliant or provide UPnP Identification saving valuable troubleshooting time.



How can I predict existing network performance?

Ping Test Generator

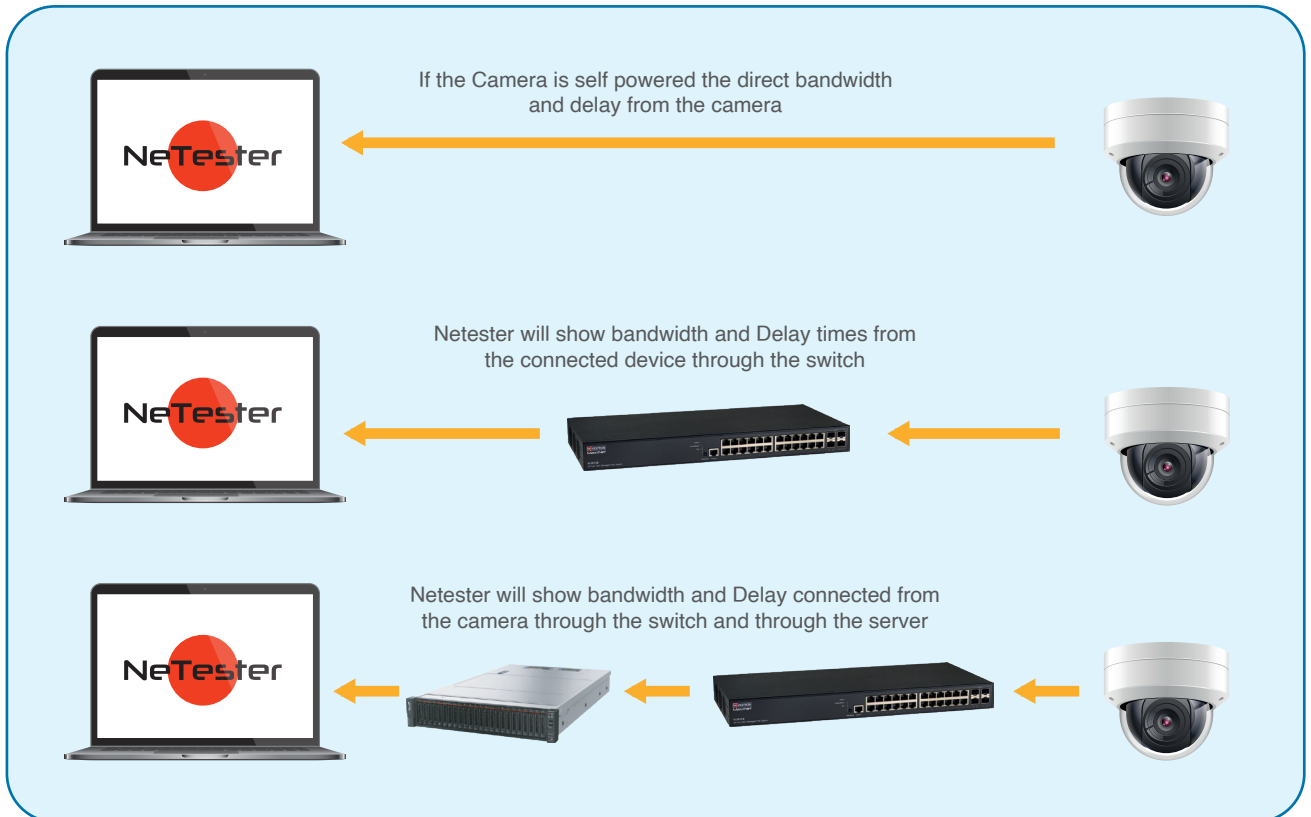
IP Address: 192.168.1.130
 Bytes of Data: 1518
 Ping Count: 4
 Timeout (ms): 500
 Interval: 5
 Allow Fragmentation:
 TTL: 64
 Test Amount: 25

Device: Hik Camera V30210

Ping Test Results:
 Individual Ping Test for device: Hik Camera
 Pinging 192.168.1.101 with 1518 bytes of data:
 Reply from 192.168.1.101: bytes=1518 time=2ms TTL=64
 Reply from 192.168.1.101: bytes=1518 time=1ms TTL=64
 Reply from 192.168.1.101: bytes=1518 time=1ms TTL=64
 Reply from 192.168.1.101: bytes=1518 time=1ms TTL=64
 --- 192.168.1.101 ping statistics ---
 4 packets transmitted, 4 received, 0% packet loss

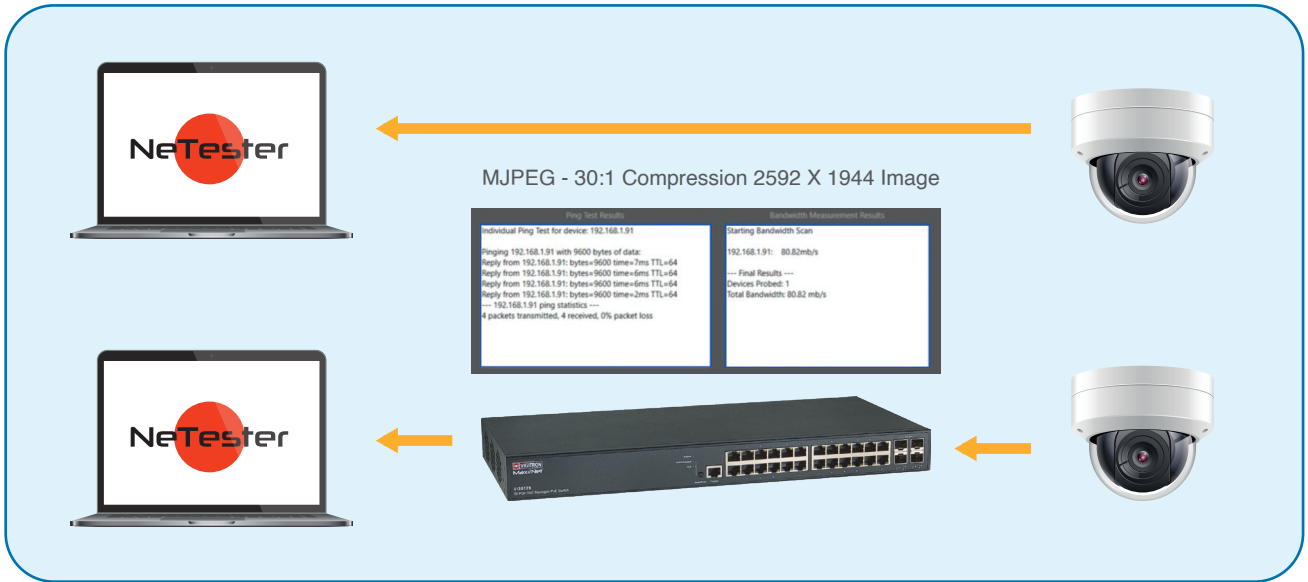
Bandwidth Measurement Results:
 Starting Bandwidth Scan
 192.168.1.101: 3.59mb/s
 --- Final Results ---
 Devices Probed: 1
 Total Bandwidth: 3.59 mb/s

Device Name	IP Address	Bytes of Data	Ping Count	Timeout	Interval	Packet Loss	View Device	Status	Active/Inactive
Hik Camera	192.168.1.101	1518	4	500	5	0%	View	Connected	Inactive
V30210	192.168.1.130	1518	4	500	5	100%	View	Failed	Active



The Netester™ can enable reviewing Bandwidth, packet size, network delays and record them at any point within the network showing results for any connected device to the complete network.

These features show the actual ability of the network to transmit video and the quality of the transmission.



Commissioning Reports – the Key to your Successful Installation

Let's assume you have just successfully completed an installation and All equipment are working properly.

How do you communicate that to your customer?

How do you communicate that to your company?

How do you find problems and justify if they are covered under a manufacturer's warranty or your company's service contract?

How do you evaluate the system you are troubleshooting compared to its operating status that you installed?

After a service call, how do you communicate to the customer everything is working properly?

The Solution is being able to create a comprehensive report and give it to your customer and to maintain it as a record of your work.

The NetTester™ provides the ability to record network performance along with video images.

Reports contain comprehensive information on the customer and their network performance:

ReportNumber	JobType	Date	TechName									
ABCDE	Installation	4/8/2021 13:06	John Smith									
CustomerName	CustomerPhone	CustomerAddress	CustomerEmail	CustomerContactPho	Company Name	CompanyPhone	CompanyAddress	CompanyEmail				
Joe Right	222-222-2222	Any Address USA	Any@email.com	777-777-7777	Vigitron	8584845209	7810 Trade St. SD Ca 92121	nheller@vigitron.com				
TestName	Results											
Bandwidth Test												
	192.168.1.91	12.74mb/s										
	192.168.1.101	2.77mb/s										
	192.168.1.130	0.00mb/s										
	Total:	15.51mb/s										
DeviceName	PingLength	PingCount	Timeout	Interval	Fragmented	Successful_Tests	Failed_Tests	Success_Percent	Average_Time	Fastest_Time	Slowest_Time	
192.168.1.91		1472	4	500	5 No	3		0	12% 1ms	1ms	1ms	

Reports can be printed and maintained in any of three formats:



ReportNumber	JobType	Date	TechName									
ABCDE	Installation	4/8/2021 13:06	John Smith									
CustomerName	CustomerPhone	CustomerAddress	CustomerEmail	CustomerContactPho	Company Name	CompanyPhone	CompanyAddress	CompanyEmail				
Joe Right	222-222-2222	Any Address USA	Any@email.com	777-777-7777	Vigitron	8584845209	7810 Trade St. SD Ca 92121	nheller@vigitron.com				
TestName	Results											
Bandwidth Test												
	192.168.1.91	12.74mb/s										
	192.168.1.101	2.77mb/s										
	192.168.1.130	0.00mb/s										
	Total:	15.51mb/s										
DeviceName	PingLength	PingCount	Timeout	Interval	Fragmented	Successful_Tests	Failed_Tests	Success_Percent	Average_Time	Fastest_Time	Slowest_Time	
192.168.1.91		1472	4	500	5 No	3		0	12% 1ms	1ms	1ms	



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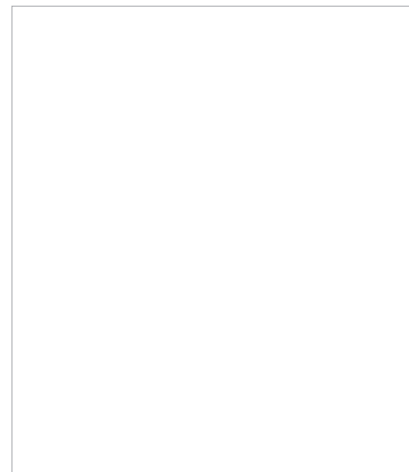
Vigitron
7810 Trade St. SD Ca 92121
8584845209
nheller@vigitron.com
Technician: John Smith

Customer Name: Joe Right
Customer Phone: 222-222-2222
Customer Address: Any Address USA
Customer Contact Email: Any@email.com
Customer Contact Phone: 777-777-7777

Bandwidth Tests
Bandwidth Test :
192.168.1.91: 12.74mb/s
192.168.1.101: 2.77mb/s
192.168.1.130: 0.00mb/s

--- Final Results ---
Devices Probed: 3
Total Bandwidth: 15.51 mb/s

Ping Test Results For 192.168.1.91:
Ping Length = 1472
Ping Count = 4
Timeout = 500
Interval = 5
Fragmented = no
Successful Ping Tests = 1
Failed Ping Tests = 0
Ping Test Percentage = 4%
Average Trip Time = 1ms
Fastest Trip Time = 1ms
Slowest Trip Time = 1ms
    
```



The ability to provide proof of your services increases customers' confidence and provides your company with a record of your services, operational state, and the completion of your services.

It provides a reference to quickly identify and locate any changes that might have resulted in problems.

Vigatron offers FreeRun NeTester™ and NetObserver™ demonstration programs that do not require any network or device connections.

We also offer a full version 90 day evaluation program that at the end of the trial period can easily be purchased.

Both programs can be downloaded without any charge or obligation using the following link:

FREERUN

In addition to NeTester™ and NetObserver™ software Vigatron offers a complete line of Test Equipment for evaluating network PoE performance. For more information download our Test equipment bookle

TEST EQUIPMENT

About Vigatron Inc.

Vigatron is a leading global manufacturer of innovative complete infrastructure transmission solutions for IP CCTV systems. Vigatron product performance is supported by complete certified testing along with integration with world-leading IP-based security products.

We offer free and without obligation Infrastructure Design Services staffed by experienced system engineers. Vigatron provides the industry's longest warranty. Vigatron is based in San Diego, California with local and worldwide sales and manufacturing facilities.

