

# NEON-TM-PRO Specifications

Model		HD Combine Tester	
<b>IPC Test</b>			
Protocol	ONVIF, RTSP, RTP		
Ethernet Test	10/100/1000M Ethernet link test, loop detect, DHCP client and server Ethernet traffic flow monitor, link quality test		
IP Configuration	Static IP/ DHCP client / DHCP server		
IPC Test	Discover camera, real time video, camera configuration, PTZ control, discover ONVIF devices across network segments		
IPC Image Test	H.265/H.264 Encode, Support 4K@30FPS		
Physical Port	Dual-port RJ45 Ethernet 1Gbps		
<b>POE Test</b>			
PD Test	The tester is power input. 802.3at; power supply voltage detection		
PSE Test	The tester is power output. 802.3at; 25.5W Max, PD Actual power detection		
<b>Analog Test</b>			
TV Signal Format	NTSC/PAL SD video Signal, HD-CVI, HD-TVI, AHD, HD video Signal Automatic adaptation		
Signal Level	1Vpp		
Video Input/Output	Video IN BNC input, Video OUT BNC output		
Video digital zoom, snapshots, video recording	8 times magnification, snapshots, video recording ( h.264 ) ( HD Coaxial can not support video )		
Analog Video Generator	Generate PAL / NTSC video signal of various test pattern, Generate HD-CVI,HD-TVI, AHD video signal of various test pattern ( 720P/1080P )		
<b>12V Power Output</b>			
Power Output	12V/2A output, Interface: Circular outer diameter 4mm, inner needle 1.6mm		
<b>Audio test</b>			
Audio test	1 audio signal input		
<b>PTZ Control Test</b>			
Interface	RS485, Coaxial input interface		
Coaxial input interface	Coaxial PTZ control ( dahua coax ), Pelco-D/P, Samsung, Panasonic, Lilin, Yaan, etc. More than 30 kinds of agreements		
Baud Rate	150, 300, 600, 1200, 2400, 4800, 9600, 19200bps		
<b>LED Light</b>			
LED Light	2 pcs 35lm LED light, astigmatism		
<b>TDR RJ45 Cable Test</b>			
RJ45 Cable Test	Test the length of four wire pairs. Maximum 200 meters, + / - of 1 meter		
<b>Power</b>			
Charger	POE Standard Power Injector		
	48V/15W output, AC100~230V 50~60Hz input		
Battery	Dedicate battery, user replaceable, 7.4V lithium-ion polymer battery, capacity 22.2Wh, about 10 hours working time.		
Charging	POE charging, power 10Wmax. Charging time 3~4 hours		
Power Saving	Tester can be set to automatically turn off, battery power icon real-time display.		
<b>System Specification</b>			
Screen	4.0 inch TFT 800*RGB*480 ( WVGA ) resolution, 16.7M color, backlight brightness adjustable		
Operation Method	Power key, 12 control keys, QWERTY flip keyboard with 43 keys		
Operation settings	Chinese, English, French, Spanish, Germany, Turkish, Russian, Czech, Hebrew, Romanian, Serbian, User optional		
Auto Power Off	Disable / 5~60 minutes		
Keyboard Tone	Enable / Disable		
<b>Working environment and specifications</b>			
Working Temperature	14° ~ 131° F		
Working Humidity	30%-90%		
Dimensions	7.5" x 4.5" x 1.5"		
Weight	1.2lbs with battery		

Digital Multimeter specification					
Range, resolution and accuracy ( accuracy spec is tested under 25°C ±5°C )					
Function	Range and other spec	Reading rate(sps)	Counts	Minimum resolution	Accuracy
DC Voltage	2V, 20V, 200V, 600V	5	20000	0.1mV	±0.1% +8
AC Voltage (True RMS)	2V, 20V, 200V, 600V	2	2000	1mV	±1.2% +3
DC Current	20mA, 200mA, 2A	5	20000	1uA	±0.1% +8
AC Current (True RMS)	20mA, 200mA, 2A	2	2000	10uA	±1.2% +3
Resistor	2KΩ, 20KΩ, 200KΩ, 2MΩ, 20MΩ	5	20000	0.1Ω	±0.1% +8
Capacitance	2nF, 20nF, 200nF, 2uF, 20uF, 200uF, 2mF, 20mF, 100mF	0.2~5	2000	1pF	±4% +5
Diode forward voltage	2V	5	20000	0.1mV	±0.1% +8
Conductivity	2KΩ	5	20000	0.1Ω	±0.1% +8
<b>Other electrical specification</b>					
Item	specification				
Voltage measure internal resistance	>=10MΩ				
Current measure internal resistance	20mA:5Ω±5% 200mA:1Ω±5% 2A:0.15~0.25Ω				
Current tester fuse	2A/250V,5*20MM				
Resistor measure current	2V/Range ±10%				
Diode Forward voltage measure current	1mA ±5%				
Diode measure beeper threshold	30mV ±5%				
Conductivity test current	1mA ±5%				
Conductivity test beeper threshold	30Ω ±5%				
Conductivity test beeper response time(<20Ω)	<10ms				
Resistor, capacitor, diode, conductivity test overload protection	250VAC max @ 5s				
Isolation (test probes to other connectors)	5KV				
<b>Non-electrical specification</b>					
AC waveform X-axis	5ms/div,30pts/div,total 300pts				
AC waveform refresh rate	1fps				
History chart X-axis	1s/div,5s/div,25s/div auto adapt; 30pts/div max,total 300pts				
Simulated mechanical pointer refresh rate	5~20fps				
Data record rate	2sps				
Data record time	0.5seconds~9999hours				