

# IP BUDDY+ ALL IN 1

## 7" Touchscreen Camera Installation & Network Troubleshooting Tool, Supports TVI, CVI, AHD, SDI, IP & Analog Video With Integrated & Multi-Meter

### Key Features:

- Easily aim and focus your camera at the camera
- View IP, TVI, SDI, CVI, AHD & Analog cameras
- HDMI Input & HDMI output
- H.264 / H.265
- IP Camera discovery
- IP address scanning
- ONVIF 2.4 & RTSP compatible
- PoE and 12VDC 2A power outputs supply power directly to cameras
- Built-in WiFi
- Built-in web browser
- CoC (Control over Coax)
- PTZ Control: pan, tilt & zoom, focus adjustment
- Supports Pelco D/P
- Video record and playback, camera image snapshot
- PTZ Data Monitor: Control protocol commands are displayed to check RS485 transmission
- 8GB Micro SD card (included)
- Enhanced PAL/NTSC color bar generator
- Ping testing, port flashing
- PoE switch voltage testing
- Cat5 Continuity testing
- Cable search
- 2 Year limited warranty



### Description:

The 7 inch touch screen IP camera monitor and tester is designed for maintenance and installation of IP cameras, HD over Coax cameras (TVI, CVI, SDI, AHD), and analog cameras as well as other security equipment. The 1280 x 800 resolution enables the unit to display HD cameras and analog cameras in high resolution. The unit supports many HD over Coax PTZ, ONVIF PTZ and analog PTZ controls.

The tester is also a great tool for Ethernet network testing. It can test PoE power voltage, perform PING tests and IP address scanning. You can use the blue cable tester to check the termination and cable type of network cables. Other functions include providing 24W PoE power to your IP camera, an LED Flashlight, 12VDC 2A power output and much more. Its portability, user-friendly design and many other functions make the IP BUDDY+ ALL IN 1 an essential tool for all installers or technicians.

### Contents Include:

- IP BUDDY+ ALL IN 1 video monitor and IP test meter
- 12VDC wall charger
- Lithium ion battery (Not plugged in during shipping. Please plug in prior to using meter!)
- 3 foot BNC test cable
- 18 inch RS485 test cable with alligator clips
- Cable tone probe
- 3 foot meter to camera power cable
- 18 inch 3.5mm audio cable with alligator clips
- Premium carrying case
- Carrying strap
- Lanyard
- User's Manual
- 8GB SD card
- Green DC21 Male & Female power adaptors
- Multi meter test leads (red and black)

### Ordering Information:

ST-ALLIN1-TEST2	Test Meter For Analog, TVI, CVI, AHD, SDI & IP With Integrated Video Monitor & Multi-Meter
ST-IP-TEST-BATTERY2	Replacement battery for ST-ALLIN1-TEST2
ST-IP-TEST-PS	Replacement power supply for ST-ALLIN1-TEST2
ST-IP-TEST-SP2	Screen protector for ST-ALLIN1-TEST2



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### Full Feature List:

- 7 inch IPS touch screen, 1280 x 800 resolution
- H.264 and H.265, 4K video display via mainstream
- Detect all network cameras and auto display with just one key
- Built-in WiFi to receive network images and data, create wifi hotspot
- Rapid ONVIF, auto log in and display images from the camera, and create test report
- Display ONVIF IP camera image, ONVIF PTZ controller, IP discovery
- Supports more than 80 customized IP camera protocols
- Supports IP camera apps and RTSP to view IP camera images
- Network bandwidth testing
- PoE 24W power supply to IP cameras
- HDMI signal output, supports 1080p
- DC12V 2A power output to camera
- USB 5V 2A power output to mobile phone
- LED Lamp, easy to operate at night
- Removable Micro SD card
- LCD screen with adjustable brightness / contrast / color saturation
- Automatically adapts and displays NTSC & PAL video formats
- Enhanced color bar generator
- FTP Server, Static IP address, DHCP, simultaneously test different segments IP cameras
- 8MP TVI test, 3840 x 2160, 15 FPS, 4x zoom, video record and playback, coaxial PTZ control and camera OSD menu
- 5MP AHD test, 2592 x 1944P, 12.5/20FPS, 4x zoom, video record and playback, coaxial PTZ control and camera OSD menu
- 8MP CVI test, 3840 x 2160, 12.5/15 FPS, 4x zoom, video record and playback, coaxial PTZ control and camera OSD menu
- HD-SDI / EX-SDI camera test, supports 1080P 50/60 FPS
- HDMI input, 720 x 480p / 720 x 576p / 1280 x 720p / 1920 x 1080p / 1024 x 768p / 1280 x 1024p / 1280 x 900p / 1440 x 900p display image, record and snapshot
- IP and analog camera testing at the same time, convert test from analog to digital via dual test window IP & CVBS
- CVBS loop test, the tester sends and receives color bar generator signals to test BNC cable
- Traffic monitoring of the tester LAN port, display network port or WiFi connection real-time upload & download speeds & other network parameters
- Plays 4K video files and MKV / MP4 media files
- Edit documents in office apps (excel, word, ppt format)
- Screen lock, password lock and pattern lock
- Tester Play (screen projection): tester, android version mobile phone and PC display at the same time
- Shortcut button, drop-down menu, can select PoE power, IP setting, wlan switch, HDMI in functions etc in any interface
- Enhanced cable tester tests UTP cables, telephone cables as well as other cables order and connectivity, testing report can be saved
- Screen management, lite mode and normal mode, move the function's icons, create new directories, theme and background setting
- 4x zoom, video image can be magnified to view details, easy to use (both for analog and IP video)
- Video record and playback (both for analog and IP video)
- Snapshot and save images as JPG files in the SD card (both for analog and IP video)
- Ping testing, test IP cameras or other network device ethernet ports
- IP address scan, quickly search for connected IP cameras and other network devices
- PoE voltage measurement, test PoE switch voltage to IP cameras, wireless AP devices and other PD devices
- Device Port flash, easily find connected PoE switch ports, the connected PoE port will flash for easy identification
- Link monitor, check the setting IP address for occupation
- PTZ address scan, search for the ID of a PTZ camera
- Network cable and Telephone cable testing, display the sequence of connections and the number of the LAN cable.
- RJ45 cable TDR test
- Supports RS485, rate 600 - 115200bps adjustable
- Multi-protocol, supports more than thirty PTZ protocols such as Pelco-P, Pelco-D, Samsung etc.
- PTZ protocol analysis, control protocol command displays to check RS485 transmission
- PTZ control, Pan/tilt the PTZ unit, zoom in/out, adjust the focus, aperture and set the preset position
- Audio input and output test, test the audio signal from pickup devices
- Digital Multimeter, voltage, current, resistance and capacitance can be tested, continuity testing, diode testing
- Cable tracer app with toner wand, sends a specific signal, easy to find an individual cable from cable bundles
- Lithium Ion Polymer Battery can last 10 hours under normal use after charging for 6 hours

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<b>Signal format</b>	NTSC / PAL (Auto-Selecting)
<b>Display</b>	7 inch IPS touch screen, 1280 x 800 resolution
<b>IP camera type</b>	4K, H.264, H.265, ONVIF, ONVIF PTZ, ACTi etc.
<b>Rapid Video</b>	Auto view video, create test report
<b>Network test</b>	FTP Server, Static IP address, DHCP, simultaneously test different segments' IP cameras, Network bandwidth testing, IP discovery
<b>IP camera apps</b>	Supports video management software to view IP camera images
<b>RTSP</b>	Supports RTSP to view IP camera images
<b>LCD adjust</b>	Adjustable brightness, contrast, color
<b>HDMI input</b>	1 channel HDMI input, supports 1080P
<b>HDMI signal output</b>	1 channel HDMI output, supports 1080P
<b>Network port</b>	10/100/1000M auto adjust, RJ45
<b>Wifi</b>	Built in Wifi, speeds 150M, receives wireless camera images, create wifi hotspot
<b>PoE power output</b>	PoE 24W power supply to IP cameras
<b>Video Input / Output</b>	1 channel BNC input & 1 channel BNC looped output
<b>Video Output Mode</b>	1.0 Vp-p
<b>CVBS loop test</b>	The tester sends and receives color bar generator signals to check BNC cables
<b>Power Adapter</b>	5V DC, 2A input supply
<b>Power output</b>	12V DC, 2A power output for cameras
<b>Audio input</b>	1 channel audio signal input to test pickup device, 1 channel audio signal output to connect headphones
<b>USB power output</b>	USB 5V 2A power output to mobile phone
<b>Communication</b>	RS485
<b>Baud Rate</b>	150, 300, 600, 1200, 2400, 4800, 9600, 19200bps
<b>Power Saving Features</b>	Sleep mode, Battery level indicator
<b>PTZ Address Scanning</b>	Scan for local PTZ address over data cables
<b>Rechargeable Battery</b>	6 hour charge, works for 10 hours
<b>Battery</b>	1 pcs Lithium Ion Polymer Battery; 7.4V DC, 5000mAh
<b>Video Display</b>	Displays video signal from analog input
<b>Video Signal</b>	Color bar generator for monitor testing
<b>Cable Test</b>	Checks connections of UTP cables, RJ45 cable TDR test
<b>PTZ Protocol</b>	Compatible with more than 30 protocols such as PELCO-D/P, Samsung, Panasonic, TeleEye etc.
<b>PTZ data Capture</b>	Reads and displays commands sent from controllers
<b>Image 4x zoom</b>	4x zoom image display and video out
<b>Photograph</b>	Snapshot and save the image as JPG file and screenshot
<b>Video record</b>	Video recording and playback from the SD card
<b>Port Finder</b>	Find a connected PoE port quickly
<b>IP scan</b>	Find a connected IP camera or network equipment's IP address
<b>Link monitor</b>	Check to see if an IP address is being used
<b>Ping testing</b>	Network and Ip camera ping test
<b>PoE tester</b>	PoE voltage testing, PoE port flashing, PoE link monitoring
<b>Night Led</b>	Built in LED lamp
<b>SD card</b>	With 8G Micro SD card, supports Micro SD card for recording, max supported 32G SD card
<b>Tester Play</b>	Screen projection: tester, mobile phone and PC display at the same time (For android version mobile phone)
<b>Drop-down menu</b>	User can select PoE power switch, IP setting, WLAN switch, HDMI In functions etc in any interface
<b>HD-TVI input</b>	8MP TVI camera test, 3840 x 2160, 15 FPS, image display, zoom, video record and playback, coaxial PTZ control and camera OSD menu
<b>HD-CVI input</b>	8MP CVI camera test, 3840 x 2160, 12.5/15 FPS, image display, zoom, video record and playback, coaxial PTZ control and camera OSD menu
<b>AHD input</b>	5MP AHD test, 2592 x 1944P, 12.5/20FPS, image display, zoom, video record and playback, coaxial PTZ control and camera OSD menu
<b>HD SDI/EX-SDI input</b>	HD-SDI / EX-SDI camera test, supports 1080P 50/60 FPS
<b>Multimeter</b>	Voltage, current, resistance and capacitance can be tested, continuity testing, diode testing
<b>Cable tracer app with toner wand</b>	Find an individual connected cable from a cable bundle. Connect one end of the cable to tester and the tester will send specific signals, which will enable the blue cable tracker to find the other end of the connected cable quickly and easily by making a clear sound.
<b>Dimension</b>	Tester: 9.45" x 6.22" x 1.74" (240mm x 158mm x 44mm); Color box: 12.6" x 11.42" x 3.86" (320mm x 290mm x 98mm)
<b>Weight</b>	Tester: 2.25 lbs. (1,020g); Tester with accessories & packaging: 6.11 lbs. (2,770g)