Northern'

3.5" IP, TVI, Analog **Camera Service Monitor** w/ ONVIF, PTZ Control & Cable Tester







Display / Resolution 3.5" Capacitive Touch Screen / 480 x 320 IP, HD-TVI & 960H Analog Internal Lithium Ion Polymer Battery / 8 Hour Continuous 3-4 Hours for Full Charge Charger Type 5VDC Wall Plug or USB to Mini USB Cable (included) Supported IP Camera Supported IP Camera Format H.264 / MPEG-4 / M-JPEG Setwork Test IP Address Scan, Link Test, Ping Test, Port Finder CD Adjustment Brightness, Contrast, Saturation, Gray Scale PC Viewer IVMS-4500, Easy Mobile, MEye, etc. Setwork Port 10/100M Lan Port - Auto Adapt, RJ45 Fort Flashing Yes Forwser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	SPECIFICATION	IP35TM				
Internal Lithium Ion Polymer Battery / 8 Hour Continuous Stattery / Run Time Internal Lithium Ion Polymer Battery / 8 Hour Continuous Stattery Charge Time S-VDC Wall Plug or USB to Mini USB Cable (included) Over 70 supported ONVIF, ACTI, Dahua, HIKVISON, Samsung, Honeywell, etc. (see manual for full list) Supported IP Camera IP Address Scan, Link Test, Ping Test, Port Finder IP Address Scan, Link Test, Ping Test, Port Finder IP Address Scan, Link Test, Ping Test, Port Finder IP CViewer IVMS-4500, Easy Mobile, MEye, etc. Setwork Port I0/100M Lan Port - Auto Adapt, RJ45 IP Speed 150M, for Wireless Camera Image / Browser IP Speed 150M, for Wireless Camera Image / Browser IP Speed 150M, For Wireless Camera Image / Browser IP Speed 150M, For Wireless Camera Power ICH BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p Audio Input/output I x 3.5mm Stereo Jack/ No-Audio Output - Speaker only IP Speed	Signal System	NTSC / PAL Auto Sensing				
Internal Lithium Ion Polymer Battery / 8 Hour Continuous Battery Charge Time 3-4 Hours for Full Charge SVDC Wall Plug or USB to Mini USB Cable (included) Supported IP Camera Supported IP Camera Supported IP Camera Format H.264 / MPEG-4 / M-JPEG Setwork Test IP Address Scan, Link Test, Ping Test, Port Finder CD Adjustment Brightness, Contrast, Saturation, Gray Scale IVMS-4500, Easy Mobile, MEye, etc. Setwork Port 10/100M Lan Port - Auto Adapt, RJ45 Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Display / Resolution	3.5" Capacitive Touch Screen / 480 x 320				
Sattery Charge Time 3-4 Hours for Full Charge Charger Type 5VDC Wall Plug or USB to Mini USB Cable (included) Over 70 supported ONVIF, ACTI, Dahua, HIKVISON, Samsung, Honeywell, etc. (see manual for full list) Supported IP Camera H.264 / MPEG-4 / M-JPEG Network Test IP Address Scan, Link Test, Ping Test, Port Finder CD Adjustment Brightness, Contrast, Saturation, Gray Scale PC Viewer IVMS-4500, Easy Mobile, MEye, etc. Network Port 10/100M Lan Port - Auto Adapt, RJ45 Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Camera Capability	IP, HD-TVI & 960H Analog				
Charger Type 5VDC Wall Plug or USB to Mini USB Cable (included) Over 70 supported ONVIF, ACTI, Dahua, HIKVISON, Samsung, Honeywell, etc. (see manual for full list) Supported IP Camera Format H.264 / MPEG-4 / M-JPEG Network Test IP Address Scan, Link Test, Ping Test, Port Finder CD Adjustment Brightness, Contrast, Saturation, Gray Scale IVMS-4500, Easy Mobile, MEye, etc. Network Port 10/100M Lan Port - Auto Adapt, RJ45 Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Battery / Run Time	Internal Lithium Ion Polymer Battery / 8 Hour Continuous				
Over 70 supported ONVIF, ACTI, Dahua, HIKVISON, Samsung, Honeywell, etc. (see manual for full list) Supported IP Camera Format H.264 / MPEG-4 / M-JPEG Network Test IP Address Scan, Link Test, Ping Test, Port Finder CD Adjustment Brightness, Contrast, Saturation, Gray Scale PC Viewer iVMS-4500, Easy Mobile, MEye, etc. Network Port 10/100M Lan Port - Auto Adapt, RJ45 Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Battery Charge Time	3-4 Hours for Full Charge				
Samsung, Honeywell, etc. (see manual for full list) Supported IP Camera Format H.264 / MPEG-4 / M-JPEG Network Test IP Address Scan, Link Test, Ping Test, Port Finder CD Adjustment Brightness, Contrast, Saturation, Gray Scale IVMS-4500, Easy Mobile, MEye, etc. Network Port 10/100M Lan Port - Auto Adapt, RJ45 Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 12VDC - 1Amp for Camera Power Video Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Charger Type	, , ,				
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PC Viewer iVMS-4500, Easy Mobile, MEye, etc. letwork Port 10/100M Lan Port - Auto Adapt, RJ45 Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 12VDC - 1Amp for Camera Power //ideo Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Network Test	IP Address Scan, Link Test, Ping Test, Port Finder				
Network Port 10/100M Lan Port - Auto Adapt, RJ45 Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 12VDC - 1Amp for Camera Power Video Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	LCD Adjustment	Brightness, Contrast, Saturation, Gray Scale				
Port Flashing Yes Browser History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 12VDC - 1Amp for Camera Power Video Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	IPC Viewer	iVMS-4500, Easy Mobile, MEye, etc.				
History, Bookmarks, Saved pages Wi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 12VDC - 1Amp for Camera Power Video Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Network Port	10/100M Lan Port - Auto Adapt, RJ45				
Vi-Fi Speed 150M, for Wireless Camera Image / Browser POE Power Output Pass through POE Power Only - Using PSE-In Port Auxiliary Power Output 12VDC - 1Amp for Camera Power Video Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Port Flashing	Yes				
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Auxiliary Power Output 12VDC - 1Amp for Camera Power /ideo Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	Wi-Fi	Speed 150M, for Wireless Camera Image / Browser				
/ideo Input / Video Output 1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p	POE Power Output	Pass through POE Power Only - Using PSE-In Port				
	Auxiliary Power Output	12VDC - 1Amp for Camera Power				
Audio Input/output 1 x 3.5mm Stereo Jack/ No-Audio Output - Speaker only RS485 for PTZ Control Baud Rate 600, 1200, 2400, 4800, 9600, 19200, 115200bps Pelco P & D, Samsung, Panasonic, Fastrax, SONY-EVI, LG-MULTIX, BOSCH OSRD, Hikvision, Kalatel, AD 168(M-B), etc. JTC Control Yes JTP Cable Tester Displays Connection Status, Cable Type & Wire Sequence JD Card 4G Micro SD Card Included, Support up to 32GB Max Recording Supports Snapshot (JPG) & Record Video to SD Card Media Player Supports 1080p Video & MKV Media Files Sleep Mode	Video Input / Video Output	1Ch BNC In/Out (standard analog), 1ch TVI In (TVI Only) / 1.0 Vp-p				
RS485 for PTZ Control Baud Rate 600, 1200, 2400, 4800, 9600, 19200, 115200bps Protocols Pelco P & D, Samsung, Panasonic, Fastrax, SONY-EVI, LG-MULTIX, BOSCH OSRD, Hikvision, Kalatel, AD 168(M-B), etc. JTC Control Yes JTP Cable Tester Displays Connection Status, Cable Type & Wire Sequence 4G Micro SD Card Included, Support up to 32GB Max Secording Supports Snapshot (JPG) & Record Video to SD Card Media Player Supports 1080p Video & MKV Media Files Sleep Mode	Audio Input/output	1 x 3.5mm Stereo Jack/ No-Audio Output - Speaker only				
Baud Rate 600, 1200, 2400, 4800, 9600, 19200, 115200bps Protocols Pelco P & D, Samsung, Panasonic, Fastrax, SONY-EVI, LG-MULTIX, BOSCH OSRD, Hikvision, Kalatel, AD 168(M-B), etc. UTC Control Yes UTP Cable Tester Displays Connection Status, Cable Type & Wire Sequence UDC Card 4G Micro SD Card Included, Support up to 32GB Max Recording Supports Snapshot (JPG) & Record Video to SD Card Media Player Supports 1080p Video & MKV Media Files Sleep Mode Yes - Quick Press Power Button to Sleep/Wake	Communication	RS485 for PTZ Control				
Pelco P & D, Samsung, Panasonic, Fastrax, SONY-EVI, LG-MULTIX, BOSCH OSRD, Hikvision, Kalatel, AD 168(M-B), etc. JTC Control Yes JTP Cable Tester Displays Connection Status, Cable Type & Wire Sequence 4G Micro SD Card Included, Support up to 32GB Max Secording Supports Snapshot (JPG) & Record Video to SD Card Media Player Supports 1080p Video & MKV Media Files Sleep Mode	Baud Rate	·				
JTC Control Yes JTP Cable Tester Displays Connection Status, Cable Type & Wire Sequence 4G Micro SD Card Included, Support up to 32GB Max Recording Supports Snapshot (JPG) & Record Video to SD Card Media Player Supports 1080p Video & MKV Media Files Sleep Mode Yes - Quick Press Power Button to Sleep/Wake	Protocols	Pelco P & D, Samsung, Panasonic, Fastrax, SONY-EVI, LG-MULTIX, BOSCH OSRD, Hikvision, Kalatel, AD 168(M-B), etc.				
Displays Connection Status, Cable Type & Wire Sequence Displays Connection Status, Cable Type & Wire Sequence 4G Micro SD Card Included, Support up to 32GB Max Supports Snapshot (JPG) & Record Video to SD Card Supports 1080p Video & MKV Media Files Sleep Mode Yes - Quick Press Power Button to Sleep/Wake	UTC Control					
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Recording Supports Snapshot (JPG) & Record Video to SD Card Media Player Supports 1080p Video & MKV Media Files Sleep Mode Yes - Quick Press Power Button to Sleep/Wake	SD Card	4G Micro SD Card Included, Support up to 32GB Max				
Media Player Supports 1080p Video & MKV Media Files Yes - Quick Press Power Button to Sleep/Wake	Recording	Supports Snapshot (JPG) & Record Video to SD Card				
Sleen Mode Yes - Quick Press Power Button to Sleen/Wake	Media Player	Supports 1080p Video & MKV Media Files				
res Quert ress tower button to steep, ware	Sleep Mode	Yes - Quick Press Power Button to Sleep/Wake				
Calculator Built-in Calculator	Calculator	Built-in Calculator				
.ED Lamp Built-in White Light LED	LED Lamp	Built-in White Light LED				
	Dimensions / Weight	194 x 112 x 48mm (HxWxD) / 540g (Tester Only)				



FEATURES

- ♦ 3.5" Capacitive Touch Screen Display (480x320 Res.)
- Compatible with IP, HD-TVI & 960H Analog Cameras
- Touch Screen OSD & Key Controllable
- Supports ONVIF IP Camera Testing
- Pass-Through POE for Powering IP Cameras
- Built-in Wi-Fi for IP Camera Testing / Browser
- POE Voltage Measurement & Cable Status
- Supports 1080p HD Video & MKV Media Files
- More than 70 Customized IP Camera Protocols
- PING Test, IP Address Scan & Port Finder
- **BNC Input for HD-TVI Camera Testing**
- **UTC Compatible with HD-TVI Cameras**
- BNC In/Output for Standard Analog/PTZ Testing
- Analog Color Bar Generator for Image Testing
- Supports RS485 for PTZ Control
- Video Recording & Snapshot to SD Card
- Included 4GB Micro-SD, Supports up to 32GB
- Built-in 3.5mm Audio Input Jack
- 8-Hour Lithium Ion Polymer Battery
- 12 Volt DC, 1-Amp Output for Powering Cameras
- LED Lamp, Calculator, Notepad & Other App Tools

INCLUDED ACCESSORIES

- 1. Deluxe Carry Case w/ Lanyard
- 1. Safety Lanyard for Tester
- 1. 5VDC Wall Charger
- 1. USB to Micro USB Charger Cable
- 1. BNC Patch Cable
- 1. 12VDC Cable for Camera Power
- 1. RS485 Cable w/ Alligator Clip
- 1. PC Audio Cable w/ Alligator Clip
- 1. CAT5/6 Cable Termination Block
- 1. User Manual