24-Port 10/100/1000Mbps 802.3at PoE with 4-Slot Shared SFP Managed Switch

The WGSW-24040HP series is the latest generation of PLANET Managed Gigabit PoE Switches featuring PLANET intelligent PoE functions to improve the availability of critical business applications. The series provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine along with 24 10/100/1000Base-T ports featuring 30-watt 802.3at PoE+ and 4 Gigabit SFP slots. With total power budget up to 220W and 440W for different kinds of PoE applications, the series provides quick, safe and cost-effective Power over Ethernet network solutions to security IP surveillance for small business and enterprises.

Centralized Power Management for Gigabit Ethernet PoE Networking

To fulfill the needs of higher power required PoE network applications with gigabit speed transmission, the WGSW-24040HP series features IEEE 802.3at power over Ethernet plus (PoE+) that combines up to 30 watts of power output and data per port over one CAT 5E/6 Ethernet cable. It is designed specifically to meet the demand of higher power consuming network PD (powered devices) such as IR, PTZ, Speed Dome cameras or even Box type IP cameras with built-in fan and heater. Compliant with both 802.3at and 802.3af, the series allows more flexibility in power requirement for a variety of PDs.

### Physical Port
- 24-Port 10/100/1000Base-T RJ-45 copper with IEEE 802.3at/802.3af Power over Ethernet Injector function
- 4 100/1000Base-SX/LX DDM SFP shared interfaces
- RS-232 DB9 console interface

### Power over Ethernet
- Complies with IEEE 802.3at High Power over Ethernet End-Span PSE
- Complies with IEEE 802.3af Power over Ethernet End-Span PSE
- Up to 24 ports of IEEE 802.3at/802.3af devices powered
- Supports PoE power up to 30.8 watts for each PoE port
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100 meters
- PoE Management
  - Total PoE power budget control
  - Per port PoE function enable/disable
  - PoE port power feeding priority
  - Per PoE port power limit
  - PD classification detection
  - PD Alive-check
  - PoE schedule
  - PD power recycling schedule

### Layer 2 Features
- Prevents packet loss with back pressure (Half-Duplex) and IEEE 802.3x PAUSE frame flow control (Full-Duplex)
- High performance of Store-and-Forward architecture and runt/CRC filtering eliminates erroneous packets to optimize the network bandwidth
- Storm Control support
  - Broadcast/Multicast/Unknown unicast
- Supports VLAN
  - IEEE 802.1Q Tagged VLAN

<table>
<thead>
<tr>
<th>Number of Powered Devices</th>
<th>Model &amp; PoE Budget</th>
<th>WGSW-24040HP</th>
<th>WGSW-24040HP4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 2 PD @ 7 watts</td>
<td>PoE Mini Dome</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Class 3 PD @ 15 watts</td>
<td>PoE VoIP Phone</td>
<td>14</td>
<td>24</td>
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<tr>
<td>Class 4 PD @ 30 watts</td>
<td>PoE Box IP Camera</td>
<td>7</td>
<td>14</td>
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<tr>
<td></td>
<td>PoE Wireless AF</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PoE+ Speed Dome</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Built-in Unique PoE Functions for Powered Devices Management**

As a managed PoE Switch for surveillance, wireless and VoIP network, the WGSW-24040HP series features special PoE Management functions:

- **PD ALIVE Check**
- **Schedule Power Recycle**
- **SMTP/SNMP Trap Event Alert**
- **PoE Schedule**

**Intelligent Powered Device Alive-Check**

The WGSW-24040HP series can be configured to monitor connected PD (Powered Device) status in real-time via ping action. Once the PD stops working and responding, the WGSW-24040HP series will resume the PoE port power and bring the PD back to work. It will greatly enhance the network reliability through the PoE port resetting the PD’s power source and reducing administrator management burden.

**Schedule Power Recycle**

The WGSW-24040HP series allows each of the connected PoE IP cameras to reboot in a specific time each week. Therefore, it will reduce the chance of IP camera crash resulting from buffer overflow.

**SMTP/SNMP Trap Event alert**

Though most NVR or camera management software offers SMTP email alert function, the WGSW-24040HPs further provides event alert function to help to diagnose the abnormal device owing to whether the network connection break, lost of PoE power or the rebooting response by PD Alice Check process.

**PoE Schedule for Energy Saving**

Under the trend of energy saving worldwide and contributing to environmental protection, the WGSW-24040HP series can effectively control the power supply besides its capability of giving high watts power. The “PoE schedule” function helps you to enable or disable PoE power feeding for each PoE port during specified time intervals and it is a powerful function to help SMB or Enterprise save power and money.

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**PoE PD Alive-checking**

**STEP1**

- PT PoE Camera
- Ping Request
- Check alive status for 3 times

**STEP2**

- PT PoE Camera
- No Response!

**STEP3**

- PT PoE Camera
- Restart PoE device without response

---

**Quality of Service**

- Ingress Shaper and Egress Rate Limit per port bandwidth control
- 8 priority queues on all switch ports
- Traffic classification:
  - IEEE 802.1p CoS
  - TOS / DSCP / IP Precedence of IPv4/IPv6 packets
  - IP TCP/UDP port number
  - Typical network application
- Strict priority and Weighted Round Robin (WRR) CoS policies
- Supports QoS and In/Out bandwidth control on each port
- Traffic policing policies on the switch port
- DSCP remarking

**Multicast**

- Supports IGMP Snooping v1, v2 and v3
- Supports MLD Snooping v1 and v2
- Querier mode support
Cost-effective IPv6 Managed Gigabit Switch Solution for SMB

Faced with the increasingly large number of IP cameras and Wireless APs being installed and deployed in all kinds of applications, more and more network equipment start to support IPv6 protocol for next generation networking. To fulfill the IPv6 management demand, the WGSW-24040HP series works with the original IPv4 network structure, and also supports the new IPv6 network structure. With easy and friendly management interfaces and plenty of management functions included, the WGSW-24040HP series is the best choice for SMB, and IP Surveillance and wireless service providers to connect with IPv6 network.

Efficient Management

For efficient management, the WGSW-24040HP managed switch series is equipped with console, web and SNMP management interfaces. With the built-in web-based management interface, the WGSW-24040HP series offers an easy-to-use, platform independent management and configuration facility. The WGSW-24040HP series supports SNMP and it can be managed via any based on standard of SNMP v1 and v2 management software. For text-based management mode, the WGSW-24040HP can be accessed via Telnet and the console port. Moreover, the WGSW-24040HP series offers remote secure management by supporting SSH, SSL and SNMPv3 connection which can be encrypted the packet content at each session.

Robust Layer2 Features

The WGSW-24040HP series can be programmed for advanced switch management function, such as dynamic port link aggregation, O-in-G VLAN, private VLAN, rapid spanning tree protocol, layer2 to layer4 QoS, bandwidth control and IGMP/MLD snooping. The WGSW-24040HP series provides 802.1Q tagged VLAN and the VLAN groups allowed will be maximally up to 255. The WGSW-24040HP not only allows the operation of a high-speed trunk combining multiple ports, but also supports connection fail-over.

Powerful Security

The WGSW-24040HP series offers comprehensive layer2 to layer4 access control list (ACL) for enforcing security to the edge. It can be used to restrict to network access by denying packets based on source and destination IP address, TCP/UDP port number or defined typical network applications. Its protection mechanism also comprises 802.1x Port-based and MAC-based user and device authentication. With the private VLAN function, communication between edge ports can be prevented to ensure user privacy. The WGSW-24040HP series also provides DHCP Snooping, IP Source Guard and Dynamic ARP Inspection functions to prevent IP snooping from attack and discard ARP packets with invalid MAC address. The network administrator can now construct highly secured corporate networks with considerably less time and effort than before.

Flexible and Extendable Solution

The four mini-GBIC slots built in the WGSW-24040HP series supports dual speed that 100Base-FX and 1000Base-SX/LX SFP (Small Form-factor Pluggable) fiber-optic modules. Now the administrator can flexibly choose the suitable SFP transceiver according to not only the transmission distance, but also the transmission speed required. The distance can be extended from 550 meters to 2km (Multi-Mode fiber) up to above 10/20/30/40/50/70/120 kilometers (Single-Mode fiber or WDM fiber). They are well suited for applications within the enterprise data centers and distributions.

Security

- IGMP Snooping port filtering
- MLD Snooping port filtering
- Multicast VLAN Registration (MVR) support
- IEEE 802.1x Port-Based / MAC-Based network access authentication
- Built-in RADIUS client to co-operate with the RADIUS servers
- TACACS+ login users access authentication
- RADIUS / TACACS+ users access authentication
- IP-based Access Control List (ACL)
- MAC-based Access Control List
- Source MAC / IP address binding
- DHCP Snooping to filter un-trusted DHCP messages
- Dynamic ARP Inspection discards ARP packets with invalid MAC address to IP address binding
- IP Source Guard prevents IP spoofing attacks
- Auto DoS rule to defend DoS attack
- IP address access management to prevent unauthorized intruder

Management

- Switch Management Interfaces
  - Console / Telnet Command Line Interface
  - Web switch management
  - SNMP v1, v2c, and v3 switch management
  - SSH / SSL secure access
- Four RMON groups (history, statistics, alarms, and events)
- IPv6 IP Address / NTP / DNS management
- Built-in Trivial File Transfer Protocol (TFTP) client
- BOOTP and DHCP for IP address assignment
- Firmware upload/download via HTTP / TFTP
- DHCP Relay
- DHCP Option82
- User Privilege levels control
- NTP (Network Time Protocol)
- Link Layer Discovery Protocol (LLDP) Protocol
- Cable Diagnostic technology provides the mechanism to detect and report potential cabling issues
- Reset button for system reboot or reset to factory default
- PLANET Smart Discovery Utility for deploy management
- ICMPv6
**Application**

*Perfect Integration Solution for IP PoE Camera and NVR System*

The WGSW-24040HP series brings an ideal secure surveillance system at a lower total cost. It provides 24 10/100/1000Mbps 802.3at PoE ports with 4-port Gigabit TP/SFP Combo interfaces, offering sufficient PoE power for a maximum of 24 IEEE 802.3af PoE IP cameras at the same time.

With 4-port Gigabit TP/SFP Combo interfaces, the WGSW-24040HP series supports connection to three 8-Channel NVR systems to receive stream from 20 cameras and also to backbone switch from an uplink port, and then access to control center. With its high performance switch architecture, the recorded video files from the 20 IEEE 802.3af PoE IP camera devices can be saved in the NVR systems, which can be controlled and monitored both in the local LAN and the remote site via Internet.

**IP Office Department / Workgroup PoE Switch**

As the business expands, the additional telephones required could be installed at less cost via the implementation of PoE IP telephony system than that of the traditional circuit wiring telephony system. The WGSW-24040HP series helps enterprises to efficiently create an integrated data, voice, and powered VoIP network. PLANET IEEE 802.3af compliant IP phones can be installed without any power cable because it can be powered via the standard Ethernet cable from the connected WGSW-24040HP series. With the WGSW-24040HP series, IP telephony deployment becomes more reliable and cost effective, which helps enterprises save tremendous cost when upgrading from the traditional telephony system to IP telephony communications infrastructure.
IP Office Backbone PoE Switch

Providing up to 24 PoE, in-line power interfaces or providing up to 20 PoE, in-line power interfaces and 4 gigabit TP/SFP combo interfaces, the WGSW-24040HP series can easily build a power centrally controlled IP phone system, IP camera system, or wireless AP group for the enterprises. For instance, IP cameras or wireless APs can be easily installed in the company for surveillance demands or building a wireless roaming environment in the office. Without the power socket limitation, the WGSW-24040HP series makes the deployment of IP cameras or Wireless LAN AP easier and more efficient. The 4 gigabit TP/SFP combo interfaces in the WGSW-24040HP series also offers flexible Gigabit TP or fiber connection for uplink to public server groups.
## Specifications

<table>
<thead>
<tr>
<th>Product</th>
<th>WGSW-24040HP</th>
<th>WGSW-24040HP4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hardware</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper Ports</td>
<td>24 10/100/1000Base-T RJ-45 Auto-MDI/MDI-X ports</td>
<td></td>
</tr>
<tr>
<td>10/100/1000Mbps / SFP Combo Interfaces</td>
<td>4 10/100/1000Mbps TP and SFP shared combo interfaces, SFP(Mini-GBIC) supports 100/1000Mbps Dual mode DDM, shared with Port-21 to Port-24</td>
<td></td>
</tr>
<tr>
<td>Console</td>
<td>1 x RS-232 DB9 serial port (115200, 8, N, 1)</td>
<td></td>
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<tr>
<td>Switch Architecture</td>
<td>Store-and-Forward</td>
<td></td>
</tr>
<tr>
<td>Switch Fabric</td>
<td>48Gbps/non-blocking</td>
<td></td>
</tr>
<tr>
<td>Throughput</td>
<td>35.7Mbps@64Bytes</td>
<td></td>
</tr>
<tr>
<td>Address Table</td>
<td>8K entries, automatic source address learning and ageing</td>
<td></td>
</tr>
<tr>
<td>Share Data Buffer</td>
<td>4 megabits</td>
<td></td>
</tr>
<tr>
<td>Flow Control</td>
<td>IEEE 802.3x Pause Frame for Full-Duplex</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Back pressure for Half-Duplex</td>
<td></td>
</tr>
<tr>
<td>Jumbo Frame</td>
<td>9K bytes</td>
<td></td>
</tr>
<tr>
<td>Reset Button</td>
<td>&lt; 5 sec: System reboot</td>
<td>&gt; 5 sec: Factory Default</td>
</tr>
</tbody>
</table>

### LED

**System:**
- Power (Green)
- **WGSW-24040HP Alert:**
  - FAN1 (Green), FAN2 (Green), PWR (Green)
- **WGSW-24040HP4 Alert:**
  - FAN1 (Green), FAN2 (Green), FAN3 (Green), PWR (Green)
- **PoE Ethernet Interfaces (Port 1 to Port 24):**
  - LNK/ACT (10/100/1000Mbps, Green), PoE In-Use (Orange)
- **100/1000Mbps SFP Combo Interfaces (Port 21 to Port 24):**
  - 1000 (LNK/ACT, Green), 100 (LNK/ACT, Orange)

### Power Requirements
- 100~240V AC, 50/60Hz, 4A
- 100~240V AC, 50/60Hz, 6A

### Power Consumption (Full Load)
- 262 watts
- 482 watts

### ESD Protection
- 6KV DC

### Power over Ethernet
- **PoE Standard**
  - IEEE 802.3at/IEEE 802.3af Power over Ethernet / PSE
- **PoE Power Supply Type**
  - End-Span
- **PoE Power Output**
  - Per Port 56V DC, 590mA . Max. 30.8 watts
- **Power Pin Assignment**
  - 1/2(+), 3/5(-)
- **PoE Power Budget**
  - PD @ 7 watts: 220 watts, 24 units
  - PD @ 15.4 watts: 14 units
  - PD @ 30.8 watts: 7 units
  - 440 watts max.
- **PoE Ability**
  - 24 units
  - 24 units
  - 14 units

### Layer2 Management Function
- **Basic Management Interfaces**
  - Console, Telnet, Web Browser, SNMP v1, v2c
- **Secure Management Interfaces**
  - SSH, SSL, SNMP v3
- **Port Configuration**
  - Port disable/enable
  - Auto-Negotiation 10/100/1000Mbps full and half duplex mode selection
  - Flow Control disable/enable
- **Port Status**
  - Display each port's speed duplex mode, link status, Flow control status, Auto negotiation status, trunk status
- **Port Mirroring**
  - TX/RX/Both
  - Many-to-1 monitor

### VLAN
- 802.1Q Tagged based VLAN, up to 255 VLAN groups
- Q-in-Q tunneling
- Private VLAN Edge (PVE)
- MAC-based VLAN
- Protocol-based VLAN
- Voice VLAN
- MVR (Multicast VLAN Registration)
- Up to 255 VLAN groups, out of 4094 VLAN IDs

### Link Aggregation
- IEEE 802.3ad LACP/Static Trunk
- Supports 10 groups of 16-Port trunk
### QoS
Traffic classification based, Strict priority and WRR
- 8-Level priority for switching
  - Port Number
  - 802.1p priority
  - 802.1Q VLAN tag
  - DSCP/TOS field in IP Packet

### IGMP Snooping
IGMP (v1/v2/v3) Snooping, up to 255 multicast groups
IGMP Querier mode support

### MLD Snooping
MLD (v1/v2) Snooping, up to 255 multicast groups
MLD Querier mode support

### Access Control List
IP-based ACL/MAC-based ACL
Up to 256 entries

### Bandwidth Control
Per port bandwidth control
- Ingress: 500Kb~80Mbps
- Egress: 64Kb~80Mbps

### SNMP MIBs
- RFC-1213 MIB-II
- IF-MIB
- RFC-1493 Bridge MIB
- RFC-1643 Ethernet MIB
- RFC-2863 Interface MIB
- RFC-2665 Ether-Like MIB
- RFC-2819 RMON MIB (Group 1, 2, 3 and 9)
- RFC-2737 Entity MIB
- RFC-2618 RADIUS Client MIB
- RFC-3411 SNMP-Frameworks-MIB
- IEEE 802.1X PAE
- LLDP
- MAU-MIB
- PoE-Ethernet MIB

### Standards Conformance

#### Regulation Compliance
FCC Part 15 Class A, CE
- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX/100Base-FX
- IEEE 802.3z 1000Base-SX/LX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3x Flow Control and Back pressure
- IEEE 802.3ad Port trunk with LACP
- IEEE 802.1D Spanning tree protocol
- IEEE 802.1w Rapid spanning tree protocol
- IEEE 802.1s Multiple spanning tree protocol
- IEEE 802.1p Class of service
- IEEE 802.1Q VLAN Tagging
- IEEE 802.1x Port Authentication Network Control
- IEEE 802.1ab LLDP
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet PLUS
- RFC 768 UDP
- RFC 793 TFTP
- RFC 791 IP
- RFC 792 ICMP
- RFC 2068 HTTP
- RFC 1112 IGMP version 1
- RFC 2236 IGMP version 2
- RFC 3376 IGMP version 3
- RFC 2710 MLD version 1
- RFC 3810 MLD version 2

### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGSW-24040HP</td>
<td>24-Port 10/100/1000Mbps 802.3at PoE with 4 shared SFP Managed Switch</td>
</tr>
<tr>
<td>WGSW-24040HP4</td>
<td>24-Port 10/100/1000Mbps 802.3at PoE with 4 shared SFP Managed Switch (440Watts)</td>
</tr>
</tbody>
</table>
### Available Modules for WGSW-24040HP series

<table>
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<tr>
<th>Module</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MGB-GT</td>
<td>SFP-Port 1000Base-T Module</td>
</tr>
<tr>
<td>MGB-SX</td>
<td>SFP-Port 1000Base-SX mini-GBIC module</td>
</tr>
<tr>
<td>MGB-LX</td>
<td>SFP-Port 1000Base-LX mini-GBIC module</td>
</tr>
<tr>
<td>MGB-L30</td>
<td>SFP-Port 1000Base-LX mini-GBIC module-30km</td>
</tr>
<tr>
<td>MGB-L50</td>
<td>SFP-Port 1000Base-LX mini-GBIC module-50km</td>
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<tr>
<td>MGB-L70</td>
<td>SFP-Port 1000Base-LX mini-GBIC module-70km</td>
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<tr>
<td>MGB-L120</td>
<td>SFP-Port 1000Base-LX mini-GBIC module-120km</td>
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<tr>
<td>MGB-LA10</td>
<td>SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-10km</td>
</tr>
<tr>
<td>MGB-LB10</td>
<td>SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-10km</td>
</tr>
<tr>
<td>MGB-LA20</td>
<td>SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-20km</td>
</tr>
<tr>
<td>MGB-LB20</td>
<td>SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-20km</td>
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<tr>
<td>MGB-LA40</td>
<td>SFP-Port 1000Base-LX (WDM, TX:1310nm) mini-GBIC module-40km</td>
</tr>
<tr>
<td>MGB-LB40</td>
<td>SFP-Port 1000Base-LX (WDM, TX:1550nm) mini-GBIC module-40km</td>
</tr>
<tr>
<td>MFB-FX</td>
<td>SFP-Port 100Base-FX Transceiver (1310nm)-2km</td>
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<tr>
<td>MFB-F20</td>
<td>SFP-Port 100Base-FX Transceiver (1310nm)-20km</td>
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<tr>
<td>MFB-F40</td>
<td>SFP-Port 100Base-FX Transceiver (1310nm)-40km</td>
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<tr>
<td>MFB-F60</td>
<td>SFP-Port 100Base-FX Transceiver (1310nm)-60km</td>
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<tr>
<td>MFB-FA20</td>
<td>SFP-Port 100Base-BX Transceiver (WDM, TX:1310nm)-20km</td>
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<tr>
<td>MFB-FB20</td>
<td>SFP-Port 100Base-BX Transceiver (WDM, TX:1550nm)-20km</td>
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### Related PoE Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
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<tbody>
<tr>
<td>ICA-2200</td>
<td>Full HD PoE Box IP Camera</td>
</tr>
<tr>
<td>ICA-2500</td>
<td>5 Mega-Pixel PoE Box IP Camera</td>
</tr>
<tr>
<td>ICA-3350V</td>
<td>3 Mega-Pixel Vari-Focal Bullet IR IP Camera</td>
</tr>
<tr>
<td>ICA-5350V</td>
<td>3 Mega-Pixel Vandalproof IR IP Camera</td>
</tr>
<tr>
<td>ICA-HM101</td>
<td>2 Mega-Pixel PoE Cube IP Camera</td>
</tr>
<tr>
<td>ICA-HM126</td>
<td>H.264 Full HD Box IP Camera</td>
</tr>
<tr>
<td>ICA-HM127</td>
<td>3 Mega-Pixel H.264 Box IP Camera</td>
</tr>
<tr>
<td>ICA-HM131</td>
<td>H.264 Full-HD Fixed Dome IP Camera</td>
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<tr>
<td>ICA-HM131R</td>
<td>H.264 Real Time Full-HD Fixed Dome IP Camera</td>
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<tr>
<td>ICA-HM132</td>
<td>H.264 2 Mega-Pixel 20M IR Vari-Focal Dome IP Camera</td>
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<td>ICA-HM136</td>
<td>H.264 2 Mega-Pixel 20M IR Vandalproof Dome IP Camera</td>
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<td>ICA-HM312</td>
<td>2 Mega-Pixel 25M IR Outdoor Bullet PoE IP Camera</td>
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<tr>
<td>ICA-HM316</td>
<td>2 Mega-Pixel Outdoor IR PoE IP Camera</td>
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<tr>
<td>ICA-HM351</td>
<td>2 Mega-Pixel 35M IR Outdoor Box PoE IP Camera</td>
</tr>
<tr>
<td>ICA-HM620</td>
<td>2 Mega-Pixel PoE Plus Speed Dome Internet Camera</td>
</tr>
<tr>
<td>POE-1525</td>
<td>IEEE 802.3af Power over Ethernet Splitter</td>
</tr>
<tr>
<td>POE-1625</td>
<td>IEEE 802.3af Gigabit High Power over Ethernet Splitter</td>
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<tr>
<td>POE-E101</td>
<td>IEEE 802.3af Power over Ethernet Extender</td>
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<tr>
<td>POE-E201</td>
<td>IEEE 802.3af Power over Ethernet Extender</td>
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<tr>
<td>WNAP-C3220</td>
<td>802.11n Wireless Ceiling Mount PoE Access Point</td>
</tr>
<tr>
<td>WNAP-1120PE</td>
<td>802.11n Wireless Access Point with PoE</td>
</tr>
<tr>
<td>WNAP-6350</td>
<td>2.4GHz 300Mbps 802.11b/g/n Wireless Outdoor Access Point</td>
</tr>
<tr>
<td>WNAP-7350</td>
<td>5GHz 300Mbps 802.11a/n Wireless Outdoor Access Point</td>
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<tr>
<td>VIP-254PT</td>
<td>802.3af PoE SIP IP Phone</td>
</tr>
<tr>
<td>VIP-258PT</td>
<td>Multi-Language PoE IP Phone</td>
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<tr>
<td>VIP-368PT</td>
<td>802.3af PoE SIP IP Phone</td>
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<tr>
<td>VIP-369PT</td>
<td>Business PoE IP Phone</td>
</tr>
<tr>
<td>VIP-361PE</td>
<td>Professional PoE IP Phone (5-Line)</td>
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<tr>
<td>VIP-560PE</td>
<td>Professional PoE IP Phone with Expansion Function</td>
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<tr>
<td>VIP-560PT</td>
<td>Professional PoE IP Phone</td>
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<tr>
<td>ICF-1700</td>
<td>Touch Screen Internet Multimedia Phone</td>
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