



2021 Product Portfolio

Comprehensive Network Transmission Infrastructure Innovations

IP Surveillance

Network Security

Home Automation

Network Peripherals

Network Management

IP Telephony

- LAN Switches
- Industrial Ethernet
- Industrial Automation
- Power over Ethernet
- Media Conversions

- Broadband Communications
- Wireless LANs

Shaping Future Networking





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LAN Switches

XGS3-42000R 4-Slot Layer 3 IPv6/IPv4 Routing Chassis Switch

Layer 3 12-Port 10G SFP+ Fiber Switch

GS-5220-16T4S2X

GS-5220-20T4C4X

20G/24G + 2/4 10G SFP+

IGS-6325-20T4C4X

Layer 3 Managed Ring Switch

IGSW-24040T

16G TP + 4G SFP

IGS-12040MT

L2+ Managed Ring Switch

IGS-6325-16P4S

IGS-6325-8UP2S

95W 10G

30W 10G

95W 30W

30W

Gugatit Wire-speed Layer 3 irv4/irv5 notuling
 Four Slots for optional Gigabit /10G/40G Modules
 IP Routing Protocols: Static Routing, RIPv1/v2, OSPFv2, BGP4 and VRRP
 IP Multicast Routing; IGMP, PIM-DM/SM, DVMRP
 IEEE 802.1x / RADIUS / TACACS+ / SSH / SSL

XGS3-24042 PRouting Protocols: Static Routing, RIPv1/v2, OSPFv2 and VRRP
Pl Multicast Routing: IGMP, RIM-DM/SM, DVMRP
Layer 2/3/4 Access Control List XGS3-24242

XGS-6350-24X4C Gigabit Wire-speed Layer 3 IPv4 and IPv6 routing

Gigabit Wire-speed Layer 3 IPv4 and IPv6 routing
IP routing protocols: Static routing, RIPv1/v2, OSPFv2
IP multicast features: IGMP snooping v1/v2/v3, multicast group policy
IEEE 802.1Q, Private VLAN and GVRP for VLAN management
L2, L3 and L4 Access Control List and IEEE 802.1x support
IEEE 802.1d/IW/1s Spanning Tree Protocol

CMMD1/CG/V2 and DMON Control 23.0 XGS-6350-12X8TR SNMP v1/v2c/v3 and RMON Groups 1, 2, 3, 9

Up to 6 units, 288 Gigabit ports and 12 10Gbps SFP+ slots

■ Web / SNMP v1, v2c, v3 / Telnet Remote IP Management

■ 100~240V AC / 48V DC Power Redundant (GS-5220-16S8CR)

IEEE 802.1D/1w/1s STP, Layer 2/3/4 ACL
 IEEE 802.1Q VLAN / Private VLAN / Q-in-Q

802 1x / RADIUS / TACACS+ Authentication

 IPv4/IPv6 Static routing
 IEEE 802.1Q VLAN, Private VLAN, GVRP
 IGMP snooping v1, v2 and v3; MLD snooping v1 and v2
 IPv4/IPv6 Web interface; SNMP v1, v2c and v3; SSH and SSL management XGS-5240-24X2QR ■ IP stack: Up to 24 units and single IP address stack management

SGS-6341-48T4X SGS-6341-4414X

SGS-6341-24T4X

SGS-6341-16S8C4XR

S2/28-Port Gigabit Stackable

Figure 1 Production Stackable

S2/28-Port Gigabit Stackable

S2/28-Port Gigabit Stackable ■ IP stack: Up to 24 units and single IP address stack management

GS-5220-16T2XV/R
GS-5220-24T4XV/R

16/24-port 10/100/1000T Enthernet port for Gigabit uplink
2/4-port 1/10G BASE-X SFP+ for Gigabit uplink
Layer 3 OSPFv2 dynamic routing, 128 static IP GS-5220-24T4XV/R 6G/24G + 2/4 10G SFP+ ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)
 Convenient and Smart ONVIF devices with detection feature SNMPv3/SSH/SSL secure access

SGS-5240-24T4X connectivity per stack group
■ Single IP management / Plug and Play hardware stacking SGS-5240-48T4X IEEE 802.1Q VLAN / Private VLAN / Q-in-Q
IGMP snooping v2 and v3 / MLD snooping
IEEE 802.1s MSTP and loop protection
IPv6 Web interface / SNMP v1, v2c and v3 / SSH / SSL Management SGS-5240-20S4C4XR 1/48G + 4 10G Stackable L2+ Managed Switch

■ IGMP Snooping v1, v2 and v3 / MLD Snooping v1 and v2 ■ IPv4/IPv6 Layer 3 Static Routing ■ 100RASE_EY / 1000RASE_SY/LY SEP Auto Detection GS-5220-16S8C Hardware Stackable up to 16 units, 384 SFP slots
 IEEE 802.1Q VLAN / Private VLAN / Q-in-Q
 Policy-based QoS Control List / Bandwidth Control GS-5220-16S8CR

GS-4210-16T2S GS-4210-16125

■ IEEE 802.19 VLAN, GVRP, voice VLAN and private VLAN

■ IEEE 802.18 MSTP, IPV4 IGMP snooping and IPV6 MLD snooping

■ 802.1x RADIUS and TACACS+ authentication, L2-L4 ACL GS-4210-48T4S Note: The Note of the Not

 IP30 Metal Case and Fanless Design
 Redundant Power System: Dual 36V-72V DC or 100V-240V AC
 -10-60 degrees C operating temperature
 IPv4/IPv6 Dual Stack Management MGSW-10080F MGSW-24160F 10-/24-Port Managed ■ IEEE 802.1D/1w/1s Ethernet Redundancy Layer 2/3/4 ACL and Port Security Independent 4-port 1G/2.5G/10G Fiber-optic SFP Interfaces
 Front-access Interface improves operating efficiency
 Digital Input/Output controlling and redundant power input system MGSW-28240F

Supports SSH / SSL / 802.1Q VLAN / 802.1x / ACL control

Industrial Ethernet

 IEEE 802.1Q VLAN, Private VLAN
 Layer 3 OSPFv2 dynamic routing , 128 static IP IGS-6325-20S4C4X routes and route summarization ■ ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) SNMPv3/SSH/TLS secure access IGS-6325-24P4X Layer 3 OSPFv2 dynamic routing, IPv4/IPv6 static

He-port 10G SFP+
Layer 3 Managed Ring Switch

IGS-6325-24P4S
19" 24G 802.3at P0E
Layer 3 Managed Ring Switch

Supports 1588 Precision Time Protocol for industrial computing network.

ERPS ring data recovery time <10ms
Fanless and 48-56V DC redundant power

1930 metal case; rack-mount design; -40 to 75 degrees C wide temperature IGS-6325-24P4S Layer 3 Managed Ring Switch

IGS-6325-8T8S4X IGS-6325-8T4X ■ Hardware Layer 3 IPv4/IPv6 Static Routing and OSPFv2 8G/16G + 4 10G SFP+ ■ 12~48V DC/24V AC Redundant power design; 2 DI and 2 DO IGS-6325-16T4S Supports Modbus TCP/IP protocol for factory automation IGS-6325-8T8S ■ IP30 metal case; -40 to 75 degrees C wide temperature

 G.8032 ERPS ring supported
 Supports Modbus TCP/IP protocol for factory automation 19" 24G with 4-Port SFP
L2+ Managed Ring Switch

Web / SMMP v1, v2c, and v3 / Telnet remote IP management
Redundant Power System: Dual 36V~72V DC or 100V~240V AC

-40~75 degrees C operating temperature

■ 802.10 VLAN / 802.1s MSTP / 802.3ad LACP L2+ Managed Ring Switch Layer 2/3/4 Access Control List Supports Modbus TCP/IP protocol for factory automation

 4-port 1G BASE-X SFP for Gigabit uplink (IGS-6325-16P4S)
 IEEE 802.1Q VLAN, Private VLAN Layer 3 OSPFv2 dynamic routing , 128 static IP routes and route summarization 16G 802.3at PoE+ + 4G SFP ■ ITU-T G.8032 ERPS (Ethernet Ring Protection Switching)

IGS-6325-8UP2S2X 802.3bt PoE++ Type-4 PSE 8G 802.3bt PoE + 2G SFP + 2-port 10G SFP+ PoE schedule, scheduled power recycling, PD alive check Hardware Layer's IPV4/IPv6 Static Routing and OSPFv2
FRP5 ring data recovery time <10ms
48~56 V DC Redundant power design; 2 DI and 2 DO
IP30 metal case; -40 to 75 degrees C wide temperature .3 Managed Ring Switch

L3 Managed Ring Switch IGS-5225-8T2S2X Hardware IPv4/IPv6 Layer 3 Static Routing and OSPFv2 IGS-5225-8P2S2X Supports Modbus TCP/IP protocol for factory automation
 2 10GBASE-SR/LR SFP+ slots, compatible with 1000BASE-SX/LX/BX SFP

Redundant power design: Dual 36~60V DC/48~56V DC

-40 to 75 degrees C operating temperature IEEE 802.3at/af Power over Ethernet / End-Span PSE

IGS-5225-8P4S
IGS-5225-8P2T2S
8G 802.3at/af PoE+ 2G/4G SFP
L2+ Managed Ring Switch

IEEE 802.3at/af Power over thernet / End-span PSE
Supports Modbus TCP/IP protocol for factory automation
48V DC redundant power input design, 2 DI and 2 DO
IEEE 802.1Q VLAN / Private VLAN / Q-in-Q / Protocol-based VLAN / MAC-based VLAN

-40 ~ 75 degrees C operating temperature IGS-5225-4UP1T2S
IGS-5225-4P2S
IGS-5225-4T2S
4G TP/UPDE + 2G SFP
1.2+ Managed Ring Switch
1-4 Managed Ring Switch
1-5 Managed Ring Switch
1-6 Managed Ring Switch
1-7 Managed Ring Switch
1-7 Managed Ring Switch
1-8 Managed Ring Switch
1-9 Managed

L2+ Managed Ring Switch IGS-10020HPT PoE Schedule / Schedule Power Recycling / PD Alive Check Supports Modbus TCP/IP protocol for factory automation IGS-10020PT 8G 802.3at/af PoE+ 2G SFP
L2+ Managed Ring Switch

IGS-10020MT RG TP + 2G SFP Managed
Ring Switch

Secure SNMP v1, v2c and v3 / SSH / SSL Management

Secure SNMP v1, v2c and v3 / SSH / SSL Management

Secure SNMP v1, v2c and v3 / SSH / SSL Management

Secure SNMP v1, v2c and v3 / SSH / SSL Management

Layer 2/3/4 Access Control List IGS-10080MFT

■ IEEE 802.1Q VLAN, GVRP, Voice VLAN and Private VLAN
■ IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping IGS-4215-16T2S 16G TP + 2G SFP ■ IP-/MAC-based ACL; DHCP snooping and IP Source Guard 12~48V DC/24V AC redundant power design -40 to 75 degrees C operating temperature

IGS-4215-4P4T 4/8G 802.3at POE + 4/2G TP + 2G SFP L2/L4 Managed Switch

IGS-824UPT

IGS-1020PTF

IFGS-1022HPT

IGS-1020PTF-12V

Industrial 8-Port 802.3at PoE + 2-Port 100/1000X

 IEEE 802.3bt PoE++ standard type 4 PSE

 250m in distance w/22-watt power output in Extend mode ■ 48~56V DC redundant power design ■ IP30 metal case; DIN-rail and wall-mount designs

Hardware DIP switch for "Standard" and "Extend" mode selection

The "Extend" mode features 30-watt PoE transmit distance of 250m
 48 ~ 56V DC redundant power design

■ -40 ~ 75 degrees C operating temperature

 12~56V DC redundant power design
 1-port 10/0/1000 SFP (IGS-614HPT)
 1P40 metal case; DIN-rail and wall mounting installation ■ -40~75 degrees C operating temperature

 IP67 aluminum case, outdoor installation Supports Modbus TCP/IP protocol for factory automation
 EN50155 compliant IGS-5227-4MP2MT 4 x 30W IEEE 802.3at PoE+ PSE port PoE Schedule / Scheduled Power Recycling / PD Alive Check
 Secure SSL / SSH / SNMP v3 Management ERPS ring supportedMSTP / BPDU Guard / Loop Protection

IGS-5227-6MT
IGS-5227-6MT-X
Industrial IP67-rated 6-Port 10/100/1000BASE-T

Supports Modbus TCP/IP protocol for factory automation
Redundant power design: Dual 12-48V DC L2+ Managed Ring Switch ■ -40 to 75 degrees Coperating temperature

> -40~75 degrees C operating temperature
> IP67 metal case/DIN rail and wall mount design 8-port 10/100/1000BASE-T with 802.3at PoE+
> 2-port 100/1000BASE-X SFP 100/1000/2500 BASE-X SFP

■ ERPS Ring Data Recovery time < 20ms Dual power input system (3-pin terminal block and DC plug)

 12V~48V DC/24V AC power input
 12V~48V DC/24V AC power input
 Pv-12V~48V DC/24V AC power input
 12V~48V DC/24V AC power input
 12V~48V DC/24V AC power input STP/RSTP/MSTP, LACP, ACL, QoS, DHCP snooping
 Compact IP30 metal case with fanless design Fixed wall mounting, magnetic wall mounting and DIN-rail installation 4-/8-/16-port IEEE 802.3at PoE+, up to 36 watts for each PoE port
 PoE Schedule / Scheduled Power Recycling / PD Alive Check
 IPv4/IPv6 web management; Telnet; SNMP v1, v2c, v3

Dual redundant power input on 48~56V DC terminal block

 Fixed wall mounting, magnetic wall mounting and DIN-rail installation WGR-500-4P Dynamic IP, static IP, PPPoE, L2TP, PPTP
 Firewall with 802.1Q VLAN security WGR-500-4PV Selectable Router/Switch operation mode
 48~56V DC dual power design (PoE models) WGR-500 120 watt max. PoE budget (PoE models 2.4-inch color LCD touch screen (WGR-500-4PV)

-40 to 75 degrees C operating temperature

■ IEEE 802.3at PoE+ standard with output up to 30 watts Total PoE budget up to 60 watts (WGS-814HP)/120 watts (WGS-818HP)
 LED indicators for PoE usage and PoE status
 Hardware-based DIP switch for Standard, VLAN and Extend mode selection 250m in distance with data and PoE output in Extend mode 6KV surge protection

■ Dual SIM cards for 3G/4G cellular network redundancy

3 10/100TX LAN ports and 1 10/100TX WAN port
 2 DI and 1 DO ports, 2 RS232 and 1 RS485 serial ports
 Supports OpenVPN, IPSec

 Global positioning system Included (ICG-2420G-LTF) -20 to 70 degrees C operating temperature 5-port Gigabit Ethernet, build in redundancy protocol-VRRP
 2 DI/DO and 1 serial port (RS232 or RS485) for Modbus applications Dual module SIM for network load balancing and redundancy ■ WiFi compliance IEEE 802.11b/g/n/ac dual- Multiple VPN with IPSEC, OpenVPN, PPTP, L2TP, GRE and VPN Failover Full security with VLAN, NAT, DMZ, Static routing,

 4 10/100TX LAN ports and 1 10/100TX WAN port One SIM slot and one 4G LTE antenna for network connection Supports Wi-Fi 802.11 b/g/n for mobile client connectivity GPS antenna allows to detect the location via sat nav system
Supports GRE, PPTP, IPSec and L2TP
Supports CMS for remote management

■ Dual IEEE 802.3at Power over Ethernet Interfaces MPPT Charge Controller
 LED Indicator shows the System Operating Status for easy diagnostic Plug-and-Play designed for PoE devices

Industrial Automation

| 1-port 10/100BASE-TX (ICS-2100T) | 1 RS232 with DB9 interface | 1 RS422 or RS485 with terminal block interface ICS-2102T/ICS-2102TS Several operating modes including TCP Server, TCP Client, UDP, Remote Pair, Modbus Converter Server/ Industrial 1-port RS232/422/485 Serial Client , Serial Telnet, RFC2217 and VCOM mode -40 to 75 degrees C operating temperature
 9 to 48V DC/24V AC, redundant power

 Supports Standalone or Pair operation Several serial operating modes including TCP Server, TCP Client, UDP, Remote Pair, Serial Telnet, RFC2217, VCOM and Modbus converter mode
 12 to 48V DC, redundant power with reverse polarity protection
 -40 to 75 degrees C operating temperature IMG-2100T/IMG-2105AT • 1-port 10/100BASE-TX (IMG-2100T)

IMG-21027/IMG-2102TS
ING-2102T/IMG-2102TS
Industrial 1 – port
ING-21027/IMG-2102TS
Industrial 1 – port
ING-21027/IMG-2102TS
ING-21027/I -40 to 75 degrees C operating temperature 2-port 10/100BASE-TX

■ 2/4 RS232/RS422/RS485 with DR9 interface IMG-2400T Z24 N323Z/N342Z/N3403 WILL DBJ INTERFACE
 RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
 12 to 48V DC, redundant power design IFCS-1116DI

 LED indicators for the output status IECS-1116DO ■ 9~48V DC Wide input voltage range EtherCAT Distributed Clock (DC) mode and SyncManager mode 16-ch Digital Input/ Output

EtherCAT conformance test tool verified

 24 port 802.3at PoE+, 370/720-watt PoE budget 24 port 802.3 at Pots., 3707/20-watt Pots budget
 IP Routing Protocols: Static Routing and RIP v1, v2;
 OSFP v1, v2 dynamic routing
 IEEE 802.10 YLAN, Q-in-Q, private VLAN, GVRP
 IGMP snooping v1, v2 and v3; MLD snooping v1 and v2
 IP Stack: Up to 24 units and single IP address stack management

GS-6322-24P4X
L3 24-Port 10/100/1000T
802.3bt PoE + 2-Port
10GBASE-T + 2-Port 10G SFP+
Managed Switch with Dual
Modular Power Supply Slots

Power management supports RPS (1+1) or EPS (2+0) mode
Supports PoE power up to 95 watts per port
ERPS ring data recovery time <10ms
IPR Souting Protocols: static routing and OSPFv2
PoE schedule, scheduled power recycling, PD alive check
IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs

GS-6320-24UP2T2XV 2.4-inch color LCD touch screen with management functions 2.4-inch color LCD touch screen with management function
802.3bt PoE + 2-Port
10GBASE-T + 2-Port 10G
SFP+ Managed Switch
with LCD Touch Screen
and Redundant Power

2.4-inch color LCD touch screen with management function
ERPS ring data recovery time <10ms
IP Routing Protocols: static routing and OSPFv2
Supports PoE power up to 95 watts (Total budget: 720W)
PoE schedule, scheduled power recycling, PD alive check
36-60V DC and 100-240V AC redundant power for system

GS-5220-24P(L)4X(R) Supports PoE Power up to 36 watts for each PoE port

GS-5220-8P2T2X
GS-5220-8UP2T2X
L3 8-Port 10/100/1000BASE-T with 36W/95W PoE injector
2-port 1/10G BASE-X SFP+
Up to 8 ports of IEEE 802.3af/802.3at devices powered
Layer 3 IP Routing, IGMP/ MLD Snooping port filtering
Supports IPv6, VLAN, SSH/SSL, SNMP

PoE + 2-Port 1G/10G SFP+
Managed Multigigabit Switch

Layer 3 IP Routing, IGMP/ MLD Snooping port filtering
Supports IPv6, VI AN. SSH/SSL. SNMP

4G shared SFP Managed Switch | IEEE 802.1Q VLAN / Private VLAN / Q-in-Q / Protocol-based VLAN /

GS-5220-48P(L)4XR

• IPv4/IPv6 Layer 3 static routing and route summarization

GS-5220-24UP(L)4XV(R)
GS-5220-16UP2XV(R)
L3 16G/24G UPCe + 2 10G
SFP+ Managed Switch
with LCD Touch Screen

2.4-inch color LCD touch screen with management functions
Supports up to 95 watts of PoE power

EEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs
PoE schedule, scheduled power recycling, PD alive check
Supports ONVIF detection

100~240V AC for switch system and PoE; 36~60V DC for switch system

GS-5220-16UP4S2X (GS-5220-16UP4S2X / GS-5220-24UP4X) 24-port IEEE 802.3at PoE, 400-watt PoE budget (GS-5220-24P4X) GS-5220-24UP4X 16G/24G UPOE + 2/4 10G SFP+/

POE Schedule / Schedule Power Recycling / PD Alive Check
IPv4/IPv6 Layer 3 Static Routing ■ IEEE 802.1s MSTP and loop protection Multicast VLAN registration and voice VLAN

■ IEEE 802.10 VLAN, O-in-O, Protocol-based and MAC-based VLANs

■ 100~240V AC, 36~60V DC redundant power for system

Hardware IPv4/IPv6 Laver 3 static routing

Layer 2/3/4 Access Control List and QoS
 IGMP snooping v1, v2 and v3; MLD snooping v1 and v2

8-Port 10/100/2500BASE-T with 36W PoE injector

2-port 1/10G BASE-X SFP+Up to 8 ports of IEEE 802.3af/802.3at devices powered

Single IP management: Hardware stacking or switch cluster

Power Feeding On/Off, Power Schedule, PD Alive Check Function

■ IGMP Snooping v1, v2 and v3 / MLD Snooping v1and v2

IPv6 Web Interface / SNMP v1, v2 and v3 / SSH / SSL Management

GS-5220-24P(L)4XV(R)
GS-5220-16P2XV(R)
L3 16G/24G PoE + 2 10G
SFP+ Managed Switch
with LCD Touch Screen

2.4-inch color LCD touch screen with management functions
Supports up to 36 watts of PoE power for each PoE port

IPF4/IPv6 Layer 3 static routing and route summarization
IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs
PoE schedule, scheduled power recycling, PD alive check
Supports ONVIF detection

LRP-101U-KIT Configure free, Plug and Play -10 to 60 degrees C Operating Temperature

LRP-201ET LRP-201HT

LRP-104CET

LRP-422CST

LRP-822CS

LRP-1622CS

ENW-9720P

Supplies 95-watt PoE power budget
 Compatible with IEEE 802.3bt Power over Ethernet
 Supports 10/100/1000Mbps application
 Monitors the status of the total PoE usage in real time
 Wall-mount design and built-in internal power supply

Ethernet over coaxial up to 1km (3,280ft) with 5C2V/RG6 75Ω cable Supports PoE power up to 25 watts 14-/8-/16-port Coax + 4G
 Long Reach PoE over
 16-port MLD snooning
 16-port MLD snooning Coaxial Managed Switch

Media Conversion

■ FST-80x / GST-70x / GST-80x series compatible TS-1000 / 802.3ah OAM Remote Terminal Management Optional AC / -48V DC supplies

DIP Switch for Smart Function SettingAuto MDI/MDIX on TP Port ■ LLR/LLCF for Fiber Connection Diagnostic ■ Manageable through MC-1610MR / MC-1610MR48

SNMP v1, v2c and SNMP Trap

MC-1500R

 AC Power acceptable
 10/19-inch Rack mountable AC/DC Hot-swappable Redundant Power Auto MDI/MDI-X / Auto-negotiation on TP Port

10/100TX to 100FX

 various optional fiber connectors on different models
 Rear DIP switch for FX Duplex Mode selection (FT-80X)
 Side DIP switch for LFP Mode selection (FT-80X)
 10/19-inch Chassis compatible (MC-700 / MC-1500)
 Dual 100/1000BASE-X mini-GBIC SFP Slot
 One 10/100/1000BASE-T Copper Port
 A part Cinabit Data Switchinger Redundant Mode 10/100/1000T to 1000SX/ LX Media Converter 3-port Gigabit Data Switching or Redundant Mode Remote IP-based Web Management Remote IP-based Web Management
SNMP V1, v2 and SNMP Trap
802.1Q VLAN / Q-in-Q VLAN Management
15-1000 / IEEE 802.3ah OAM
802.1p / IP Address / IP DSCP QoS
Bandwidth Control / Storm Control

10/100/1000T to 1000SX/LX

■ Complies with IEEE 802.3ae 10GBASE-SR/LR NBASE-T featuring adaptive rate operation
100 meters over Cat 6A at 10Gbps
- 40-75 degrees C operating temperature 10G Media Converter Industrial 10G Media IP30 metal case

Web-based Management
 Operates as Server Mode or Converter Mode
 Supports PLANET Smart Discovery Utility
 Wall Mount or DIN Rail Support
 10/19-inch Chassis compatible (MC-700 / MC-1500)

High-speed synchronous digital transmission technology
 Video and data transmission over Gigabit fiber optic cable

Simultaneous 2.4GHz (Wi-Fi access) and 5GHz (backhaul) wireless network

■ 5GHz 11ac Wi-Fi speed up to 900Mbps Wave 2.0, MU-MIMO

Built-in 14dBi directional antenna for PtP connection

Supports multiple VLANs mapping to multiple SSIDs

■ Next Generation 802.11ac Wi-Fi up to 1200Mbps

10/19-inch Chassis compatible

30W 10/100TX to VDSL2 Media Converter

■ Cost-effective VDSL2 CO/CPF Bridge solution One Box Design, CO/CPE Selectable via DIP Switch
Voice and Data communication can be shared on the existing telephone wire simultaneously
Selectable Target Data Rate and Target SNR Margin VC-231G/VC-2320

Data type: RS485

 Standalone or work with PLANET MC-700/1500/1500R media converter chassis ■ Compliant with 4-ch hybrid video (AHD/TVI/CVI/CVBS) Long-distance data transmission of 20km High-speed synchronous digital transmission technolog Video and data transmission over Gigabit fiber optic cable
 Data type: R5485
 Video bandwidth of 60MHz, SNR>67dB
 Wideo bandwidth of 60MHz of 00 to 70 degrees C

Wireless LANs

 Gigabit wire and Wave 2 1200Mbps wireless connectivity (dual-band) WDAP-850AC 4 built-in N-type (F) antenna connectors 802.10 VLAN mapping multiple SSIDs Ground terminal design

802.3at Power over Ethernet

Centrally managed by PLANET AP Controller Series

(NMS Series, WS Series, VR-300 & IVR-300 Series)

 Multiple operation modes: AP, Gateway, Repeater, WDS, WISP
 Supports multiple VLANs mapping to multiple SSIDs
 SNMP-based central management and PLANET UNI-NMS supported
 IEEE 802.3af/at PoE design
 "One-click PtP" to establish connection easily Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps WDAP-C7210E Backward compatible with IEEE 802.11 a/b/g/n/ac Gigabit Ethernet Port with 802.3at PoE PD complian

■ 3 x 10/100/1000BASE-TX ports, with one 802.3at PoE/PD port supported 3 x 10/100/1000BASE-1 X ports, with one 802.34 P/In-wall design with 1 x RJ11 port Supported
 802.1Q VLAN mapping multiple SSIDs
 AP/Gateway, Repeater, WDS, WISP mode
 Centrally managed by PLANET AP Controller Serie (NMS Series, WS Series, VR-300 & IVR-300 Series) WDAP-W1200E

■ Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 866Mbps WDRT-1202AC 1200Mbps 802.11ac Dual
Band Wireless Gigabit Router

Compliant with IEEE 802.11a/b/g/n

Built-in 4-port 100/1000Mbps Gigabit switch

1 x USB 2.0 port supports storage and DLNA

Supports DHCP server, DDNS, DMZ, Virtual Server and Port Triggering

 Cybersecurity can be enhanced with SNMPv3, SSH and SSL features WS-1232P Laver 3 IPv4/IPv6 VLAN static routing manually and the OSPEv2 settings automatically

VIP-2140PT

Wireless AP Managed Switch with 24-/8-Port 802.3at PoE+ 4-/2-Port 10G SFP+

Real-time AP status monitoring and easy deployment with map positioning RADIUS authentication and user control ERPS Ring Data Recovery time < 10ms

Gigabit switch and IEEE 802.3at/af PoE compliant
 VPN, VLAN, QoS, TR069, auto-provisioning and multi-language

T.30/T.38 fax volume conf iguration
Caller ID recognition DTMF and FSK
Supports SIP proxy and peer to peer dialing
Supports NAT, Firewall, 802.1Q VLAN, QoS, TLS and SRTP
Control of the SIP Control of th

SSL / PPTP VPN, URL / IM / P2P Blocking and SPI Firewall

Port FXO IP PBX and up to 100 Registration
 POP3, SMTP, IMAP and Webmail e-mail Service

FTP & Network StorageLCR / BLF / BLA

H.265/H.264/JPEG/MJPEG compression

WDR, 3DNR, ICR, PLANET DDNS & Easy DDNS

IP67-rated housing with cable management bracket

Conf iguration and Management through Wizard, TR069 and SNMP
 Supports multi-party conferencing, call forward, call waiting,

VIP-1120PT 2-line key with color LED 2 SIP identitiesWideband G.722 HD audio QoS, TR069, auto-provisioning and multi-language 2.8-inch (main) and 2.4-inch (DSS) key-mapping LCD monitor 30 configurable and 6 multicolored LED keys
 IETF SIP compliant with 4 identities/accounts
 Wideband G7.22 HD audio with Handset and Hands-free function

■ IETF SIP compliant with Peer-to-Peer / SIP proxy calls VIP-156/PE Up to 5 Proxy server registrations T.38 FolP / Auto-provisioning
 TR069 / Auto-upgrade firmware
 Integrated 802.3af PoE (VIP-156PE)
 2 concurrent VoIP calls (VIP-157S) VIP-157S 2-Ethernet Port SIP ATA

 7-inch color touch screen with Android 9.0 OS
 Plug and Play optional 1080p USB camera with 720P 30fps H.264 video call
 IETE SIP compliant with Transport Layer Security
 Up to 20 SIP lines with 112 one-touch DSS keys
 Dual Gigabit and IEEE 80.23af/24 POE compliant
 Built-in Bluetooth 4.2 and 2.4G/5G Wi-Fi
 Wideband G.722 HD and Opus audio codec with bandest and bandest representations. ICF-1900 VGW-420FS ■ IETE SIP 2.0 (RFC 3261) compliant with outbound proxy / STUN traversal

4/8/16/24/32-Port SIP VoIP Gateway

-

 30/100/200/500 Registrations and 15/30/60/100 Concurrent Calls
 Supports 2 FXO ports for IPX-330 IPX-330/IPX-2100 Supports maximum 8 ports (on 2 slots - IPX-21FO/IPX-21SL/IPX-21GS) for IPX-2100/IPX-2200/IPX-2500 IPX-2200/IPX-2500 Internet Telephony PBX System Suppots SNMP v2, VPN Server/Client

IP Surveillance ■ HDTV video quality up to 1080p

ICA-3280

ICA-4280

UMG-1000

VGW-820FS

VGW-1620FS

VGW-2420FS

VGW-3220FS

ICA-A3280 ICA-A4280

 PoE & ONVIF compliant for interoperability
 Built-in smart IR illuminators, effective up to 25 meters 1/2.8" 2 Megapixel progressive scan STARVIS™ CMOS
Face Recognition & 5 Deep Artificial Intelligence
H.265(+)/H.264(+)/JPEG/AVI/MJPEG triple-stream encoding
WDR, 3DNR, ICR, 2-way audio, microSD, PLANET DDNS & Easy DDNS
POE & ONVIF compliant for interoperability
Built-in smart IR illuminators, effective up to 25 meters

ICA-M3580P
ICA-M4580P
H. 265 5 Mega-pixel Smart
IR Bullet / Dome IP Camera
with Remote Focus and Zoom

Built-in smart IR illuminators, effective up to 40 meters ICA-M3580P ICA-M4580P

> 16 independent PoE+ network interfaces (NVR-2516P) 16 independent PoE+ network interfaces (NVR-2516P)
> H.2657.H.264 and dual streaming compression technology
> Up to 4K resolution recording and playback for clear monitoring
> PVMS and smart event for detailed monitoring
> Remote live viewing through Smart App for 24/7 viewing
> 1 eSATA, 4 SATA HDD drawer (3.5") and 4K HD/VGA output

ICA-3460V ICA-4460V H.265 4MP PoE Bullet/ ICA-W8100 NVR-820

■ 355-degree pan, 90-degree tilt ■ WPS / PIR for thermal / motion detection H.264 and ONVIF compliant
HDMI and VGA output at 1920×1080P resolution
Auto-configuration for PLANET IP CAM
PLANET Easy-DDNS / Mobile App

■ 3.6mm fixed lens with 1280 × 720 resolution

IEEE 802.11b/g/n wireless LAN capability
 10-meter / ICR for Day & Night function

WDR / DNR / ONVIF compliant

IP Surveillance

ICA-W7100

720P Wireless IR PT IP Camera

HDVR-435

 Manages up to 64 cameras NVR-E6480 64-Ch Windows-based Location-based management with eMap
 Supports dual stream management

ICA-E6260

■ High-Availability AP Controller Captive Portal RADIUS and SD-WAN

VR-300/VR-300P VR-300W/VR-300WP

Broadband Communications

ports and 4 Gigabit RJ45 interfaces

Complies with ITU-T G.984/G.988

Per PON supports 128 ONT/HGU devices

Asymmetric downlink 2.5Gbps/uplink 1.25Gbps GPL-8000 Distance up to 20km

> 2 FXS ports for VoIP communication 1 USB 2.0 port for configuration backup
> Complies with ITU G.984/988 Up to 2.5Gbps downstream and 1.25Gbps upstream
> Compatible with 802.11a/b/g/n wireless technology with data rate of up to 1200Mbps

 Up to 2.5Gbps downstream and 1.25Gbps upstream Distance up to 20km
 Compliant with ITU-T G.984/988 Supports IGMP snooping and SL
 Supports DBA and QoS

 Z Y PON POrt and 4 x Gigabit SEP Interface
 Per PON Supports 64 ONU Devices
 Up to 1.25Gbps Upstream and Downstream
 Distance up to 20km
 User-friendly GUI Management
 IEEE 802.1q support EPL-4000 EPL-8000 2/4/8-Port GEPON OLT

1-Port GEPON ONU

HAC-1000A Energy and cost saving by automatically/manually turning off
 Provides pre-defined scene modes and real-time image monitoring HAC-1000E Z-Wave Home Automation Ensure entry doors are closed and locked remotely Control via PC, control pad, smart phone

 HD voice using wideband G.722 coding produces clearer sound HDP-1160PT Secure communication with TLS & Secure RTP (SRTP) Access Control with the electric lock (Built-in 2 short-in/out) ■ IP65- and IK10-rated designed for rigorous environment

HDP-5240PT Unlock the door with an RFID, remote DTMF or local password

HDP-5260PT G.722 coding produces clearer HD voice quality 20p SIP Multi-unit IP65 and IK10 enclosure Supports the most popular and compatible standard SIP protocol

HZS-300/HZS-500 Z-Wave Sensing Device

> NMS-500 Enterprise-class Universal Network

NMS-1000V-10/12

NMS-360V-10/12 Map viewing and monitoring IP cam snapshots

Network Peripherals Supports PS/2 and USB compatible mouse/trackball

IKVM-210-08 IKVM-210-16

KVM-210-08M KVM-210-16M IKVM-210-08M IKVM-210-16M

DTR-100D

USB 2.0 Digital TV Receiver DMA-200 ITB-3001

Digital Media Center IHD-410PT IHD-410PR

 IEEE 802.3af Standard PoE Interface
 HDCP-compliant and Blu-ray ready
 Support IR extension and Automatic EDID Assign video sources to any monitors of the video wall Assigns video sources to any monitor of the video wall system

 1-to-1,1-to-many and multi-casting broadcasting architectures Compatible with H.264 and 1080p HDTV resolution
 IEEE 802.3af Standard PoE Interface
 HDCP-compliant and Blu-ray ready High Compression Streaming for saving Bandwidth
 Support IR extension and Automatic EDID 1-to-1,1-to-many and multi-casting broadcasting architectures

Remote computer control via TCP/IP protocol (IKVM Series)

Wizard easy setup and user-friendly graphical on-screen menu
 Built-in VLC station for IPTV demo (ITB-3001)

■ Support 1080p or Ultra 4K (3840 x 2160) HDMI resolution with H.264

HOTV quality / Snap shot in JPEG format
 Multi-channel preview / Channel auto scan
 Real time & Schedule Digital Video Recording
 Multi-lab Consensation that the state of th

UPnP AV/DLNA/HomePlug AV compliant
 Full HD (1080) and HDMI
 Stream videos, music and photos

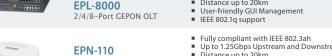
Multiple languages function

IPM-4220 IPM-8220 IPM-ESB Sets over-current watchdog for power outlet

 IP filtering to prevent unauthorized access Switched Power Manager

8-bay rackmount (2U) with software RAID (0,1)
 Instant playback in live view window

 One 10/100/1000 RJ45 port GPN-100



Home Automation

 Power over Ethernet IEEE 802.3af/at VTS-700P

HZS-100/HZS-200

Energy and cost saving (HZS-500)

Network Management

 Auto discovery of up to 1024 devices via web interface Central provisioning and remotely control over each managed device by Wizard
 A topology view of network devices by LLDP protocol The status of a network can be reported via system event and syslog Built-in PLANET AP controller (SAPC) and RADIUS authentication function

 Auto discovery of up to 512 BSP-360 units
 Stylish TFT-LCD touch screen display and aluminum die-cast front bezel and chassis Setup Wizard, e-mail alarm notification

KVM-210-08 KVM-210-16 Supports monitor resolution of up to 2048 x 1536 8/16-Port Combo KVM Switc Supports monitor resolution of ap to 20 in American Supports and Computer selection via Port Select Button, Hotkey and

On Screen Display (OSD)

QVS (Quick View Setting): Quickly select your 8/16-Port Combo IP KVM Switch computer by naming or SN number Remote computer control via TCP/IP protocol (IKVM Series) 19-inch 1U rack mountable | 19-inch 10 rack mountable
 | Cascade up to 2 levels, control up to 64/256 computers
 | Supports high resolution up to 1280 x 1024
 | Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)
 | Multiplatform support: Windows 2000/2003/XP/Vista/7/10, Linux, Macend Sup.

IGS-614HPT IGS-604HPT-RI IGS-604HPT-M12

Industrial Ethernet

ISW-808PF-M12

ISW-804PT-M12

WGS-5225-8P2SV

WGS-5225-8T2SV

WGS-5225-8P2S

BG PoE + 2G SFP

WGS-4215-8T

WGS-4215-8T2S

WGS-4215-16P2S

WGS-4215-8P2S

WGS-804HPT

WGS-814HP

WGS-818HP

ICG-2420G-LTE

ICG-2510W-LTE

ICG-2510WG-LTE

VCG-1500WG-LTE

ICS-2400T

SGS-6341-24P4X

24G 802.3at PoE + 40

SGS-5240-24P4X

MGS-5220-8P2X

WGSW-24040HP4

95W

95W

ISW-800T-M12

GS-4210-24HP2C 95W 30W GS-4210-8HP2S GS-4210-24P4C GS-4210-24PL4C GS-4210-48P4S

95W

 IEEE 802.1w/1s Spanning Tree Protocol
 IEEE 802.1Q VLAN, Voice VLAN, Private VLAN, Q-in-Q ■ IPv6/IPv4 Web. Telnet. SNMP v1/v2c, SSH/TLS management 24-/48-port 802.3at PoE, 220-/440-watt PoE budget
 PoE Schedule / Scheduled Power Recycling / PD Alive Check
 IEEE 802.1Q VLAN, GVRP, voice VLAN and private VLAN 4G 802.3at PoE + 4G TP/SFP ■ IEEE 802.1s MSTP, IPv4 IGMP snooping and IPv6 MLD snooping 802.1x RADIUS and TACACS+ authentication, Layer 2/3/4 AC IPv6 web management / SNMP v1, v2c and v3 / SSH / SSL management

150-watt/230-watt PoE Budget / Remote PoE Power Control

IEEE 802.1D/1w/1s Spanning Tree Protocol
 IEEE 802.1Q VLAN / Private VLAN / Q-in-Q

■ IPv6 Web interface / SNMP / SSH / SSL Management

Power over Ethernet

GS-5220-8P2T2S

WGSW-20160HP

L2/L4 Managed Switch

GS-4210-16P2S

GS-4210-16P4C

GS-4210-8P2T2S

GS-4210-8P2S

GS-4210-16UP4C

GS-4210-24UP4C

FGSD-1008HPS

LCD PoE Switch

FGSW-2022VHP

GSD-1222VHP

GSW-1820VHP

GSW-2620VHP

FSD-1008HP

UPOE-1600G

UPOE-2400G

IPOE-175S

IGUP-2205AT

IPOE-E302

8/16/24G 802.3bt PoE+ Managed Injector Hub

GSD-1008HP

48G 802.3at PoE + 4G SFP Cable diagnostics, smart fan and power alarm

 16-port 802.3at PoE, 220-watt PoE budget
 PoE Schedule / Scheduled Power Recycling / PD Alive Check
 IEEE 802.10 VLAN, GVRP, voice VLAN and private VLAN
 IEEE 802.1s MSTP, IPv4 IGMP snooping / IPv6 MLD snooping
 802.1x RADIUS and TACACS+ authentication, Layer 2/3/4 ACL ■ IPv6 web management / SNMP v1, v2c and v3 / SSH / SSL management Cable diagnostics, smart fan and power alarm 240-watt/125-watt PoE budget / Remote PoE Power Control
 PD Alive Check / Scheduled Power Recycling/ ■ IEEE 802.1Q VLAN / Voice VLAN / Private VLAN / Q-in-Q

 IGMP snooping v2 and v3 / MLD snooping
 IPv6 Web interface / SNMP v1, v2c and v3 / SSH / SSL management 13-inch desktop size, 19-inch Rack-mountable 16-/24-port 802.3bt PoE++, 400-watt/600-watt PoE budget
Compatible with 802,3at PoE+ type II
PoE Schedule/ / Scheduled Power Recycling / PD Alive Check
IEEE 802.10 VLAN, GVRP, voice VLAN and private VLAN
IEEE 802.15 MSTP, IPv4 IGMP snooping and IPv6 MLD snooping
IPv6 web management / SNMP v1, v2c and v3 / SSH / SSL management

FGSW-1816HPS POE Management / POE Status / POE Schedule
IEEE 802.1Q VLAN / Port-based VLAN
IEEE 802.1D/IW Spanning Tree Protocol FGSW-2624HPS FGSW-2624HPS4 ■ IEEE 802.3ad Link Aggregation Control Protocol 8-/16-/24-Port 802.3at PoE + ■ IGMP snooping v1 and v2 2G Managed Switch FGSD-1022VHP LCD Monitor for system status and PoE usage status display
 8/16/24-port 10/100BASE-TX Fast Ethernet RJ45 copper FGSW-1822VHP End-span (120/300-watt PoE budget) FGSW-2622VHP

Per PoE port supports up to 30-watt
 VLAN Isolation Mode IP surveillance application

120-/220-/370-watt PoE budge

 VLAN isolation mode for IP surveillance application 2-Port 10/100TX 802.3at oE + 4-Port 10/100TX ■ IEEE 802 3at/bt PoE standard complian 2.3bt PoE + 2-Port Gigabit Ports 1 to 4 support up to 60 watts; ports 5 to 16 support up to 30 watts LCD Monitor for system status and PoE usage status display
 10/16/24-port 10/100/1000BASE-T Gigabit Ethernet RJ45 copper
 End-span (120/300-watt PoE budget)
 Per PoE port supports up to 30-watt
 VLAN Isolation Mode IP surveillance application

 Metal case, internal power design GSD-2022P Hardware-based DIP switch for Standard, VLAN or Extend mode selection VLAN mode is to isolate ports to prevent broadcast storm and defend DHCP spoofing Extend mode enables 8 PoE ports to support a max. distance extension of 250m
Two 1000BASE-SX/LX/BX SFP slots for long distance data uplink

8-port PoE+, total PoE budget of 120W

electable in "PoE Power Output" mode

 2-port RJ45 for uplink
 Hardware DIP switch for Standard, VLAN and Extend mode selection 8-Port/8G 802.3at PoE ■ Distance is 250m with 30W power output at speed 10Mbps in Extend Mode 8-port 10/100BASE-TX End-span PSE and 120-watt PoE budge FGSD-1011HF 1 port Gigabit RJ45 and 1 port Gigabit Mini-GBIC SFP for uplink
 Extend mode features 30-watt PoE transmit distance of

■ Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX FSD-504HP 4-port PoE+, total PoE budget of 60W
 1/2-port 10/100Mbps RJ45 for uplink
 Distance is 250m with 30W power output at speed 10Mbps in Extend Mode
 Supports VLAN isolation in Extend Mode FSD-604HP UPOE-800G 802.3bt PoE++ UPoE, end-span or mid-span

 360-watt/600-watt/800-watt PoE budget, remote PoE power control
 PD Alive check/ Scheduled Power Recycling/
Time-based PoE schedule
 10/100/1000T management port HPOE-1200G HPOE-2400G -/24-Port 802.3at PoE+ POE-171 / POE-173

POE-171S / IPOE-173S Compatible with All IEEE 802.3at/af PSE Injector/Switch Enables Powering with 12V, 19V and 24V Terminals Up to 60/95 watts of power on 4-pair UTP
 Supports 10/100/1G/2.5G/5G applications
 Compatible with IEEE 802.3bt
 Data and power over one Ethernet cable up to 100 meters
 Enables to power 12V,19V and 24V terminals via POE-171S PoE Splitter POE-171A-60 POE-171A-95

POE-175-95 Supplies 95-watt PoE power budget patible with IEEE 802.3bt Power over Ethernet Supplies 95-watt PoE power budget IPOE-171-95W ■ Compatible with IEEE 802.3bt Power over Ethernet

 -40 to 75 degrees C operating temperature 1-port IEEE 802.3af/at/bt PoE PSE (IPOE-175) IPOE-175 1-port IEEE 802.3af/at PoE/end-span PSE (IPOE-165) Maximum PoE budget up to 60 watts (IPOE-175)/30 watts (IPOE-165) IPOE-165 DC 24V to 56V power booster Industrial IP67 Injector 6KV ESD and surge protection

DC 24 to 48V redundant power

■ Passive IEEE 802.3/802.3u/802.3ab, 10/100/1000BASE-T

Supports PoE power up to 95 watts for each PoE port
 DIP switch: Standard/Legacy PoE mode selection

Automatically detects and protects PoE equipment

1-port IEEE 802.3bt PoE++ standard PD
2-port IEEE 802.3af/at PoE PSE
Maximum PoE budget up to 65 watts
Extends the range of PoE for an additional 100 meters (328ft.)

No external power cable required for installation

No external power cable required for installation

■ 12 ~ 56V DC redundant power with reverse polarity protection

■ IP67 and IK10 aluminum case; waterproof and dustproof designs

Supports 12V DC, 5A max. power output

 Compatible with IEEE 802.3bt POF-173S 802.3bt PoE++ Splitter IGUP-805AT IGUP-1205AT

 Link Fault Passthrough (LFP) supported IGTP-805A Wall mount and easy installation IGTP-815AT 24V/48V DC, redundant power (IGTP-805A) -40 to 75 degrees C operating temperature POE-E101/E201/E202

** IEEE 802.3at/af Power over Ethernet compatible

Extends the range of PoE an additional 100 meters

Forwards both Ethernet data and PoE power to remote devices

> -40 to 75 degrees C operating temperature IP67 and IK10 aluminum case; waterproof and dustproof design LRP-101C-KIT Re-use Existing Coaxial Cable for IP Camera
> Power Over Coaxial up to 1km
> Power Input: External DC or PoE Power Input (LRP-101CH/LRP-101UH)
> Power Output: PoE Power Output (LRP-101CE/LRP-101UE)

> > Adaptive Coaxial or UTP connectivity
> > 4-port IEEE 802.3at/af PoE standard compliant
> > PoE usage LED display
> > Power over coaxial or external 24-48V redundant power
> > 20 to 70 degrees C operating temperature IP30 metal case for DIN rail or wall mounting

ENW-9720P
ENW-9740P

2/4-port 10/100/1000T
802.3at POE+ PCI Express
server adapter

PCI Express (PCIe) x4 slot
Intel 1830 server-grade Gigabit Ethernet MAC Controller
2/4 independent 10/100/1000BASE-T RJ45 interfaces
IEEE 802.3at compliant with up to 30W power per port
Supports 12V DC 4-pin Molex input (ENW-9740P only)
Powered device (PD) auto detection and classification

H.265 1080p Smart IR Bullet / Dome IP Camera

NVR-2500 NVR-2516P

Simultaneous H.264 and H.265 video compression with 4 mega-pixel
Compliant with IEEE 802.3affat PoE interface
Up to 30~45 meter IR LEDs with ICR/WDR
IP66, ONVIF, PLANET DDNS & Easy DDNS

with Vari-focal Lens ICA-HM620

Sony Exmor™ CMOS with 1920 x 1080 (ICA-HM620) 20X Optical / 8X Digital Zoom (ICA-HM620)
 D1/720P mode up to 60fps
 Compliant with IEEE 802.3at PoE interface
 IP66 / IK10 / IPv6 / ONVIF compliant

Hot-swappable Feature on each SlotFT-80x / FT-90x / FT-1105A / FT-1205A compatible

■ Multi-brand IP CAM / Google e-Map Full Integration & Multi-monitor with CMS CAM-AHD325

 1/2.8" Sony 2MP CMOS sensor CAM-AHD 180p IR Bullet Camera
CAM-AHD 180p IR Bullet Camera
CAM-AHD 180p IR Dome Camera
AHD 1080p IR Dome Camera
IP66-certified protection

IP66-certified protection

■ 5-in-1 – TVI, CVI, AHD, CVBS and IP Full HD video input 4/16-ch BNC connectors and 1 SATA HDD
 H.265/H.264 high profile video compression HDVR-1635

> Max. frame rate 60fps at 1080p Weatherproof (IP67), vandalproof (IK09)

Superior low light sensitivity
 WDR enhancement, 3D noise reduction
 Built-in microSD card slot for on-board storage
 Built-in PTZ auto tracking and enhanced intelligent video application

 Static Packet Inspection (SP) firewall and Blocking DoS/DDoS attack
 Full security with Cybersecurity, VLAN, NAT, DMZ, Static/Dynamic routing, and IP/MAC/Port filtering
 Multiple VPN with IPSEC, OpenVPN, PPTP, L2TP, GRE and VPN Failover
 IPv6, PLANET UNI-NMS, Easy DDNS IVR-100 Industrial 5-Port 10/100/ 1000T VPN Security Gateway

High-Availability, AP Controller, Captive Portal, RADIUS and SD-WAN
 Dual-WAN failover and Dual-WAN load balancing
 SSL VPN and robust hybrid VPN (IPSec/PPTP/L2TP over IPSec)
 Stateful Packet Inspection (SPI) firewall and content filtering
 Blocking DoS/DDOS attack, port range forwarding
 IPv6, SMMP, PLANET DDNS and Universal Network Management System
 Compliant with the IEEE 802.3at PoE+ (VR-300P/VR-300WP)
 Compliant with the IEEE 802.11a/b/g/n/ac wireless (VR-300W/VR-300WP)





EPL-2220



Power over Ethernet IEEE 802.347at
 Hands-free two-way video Intercom; unlock door from the intercom
 Up to 3 scenes managed via PLANET Z-Wave Plus™ Gateway
 8-zone alarm interface available for security control (DI x 6 + DO x 2)
 Standard SIP compatible with most modern IP Intercom systems
 Real-time image monitoring of home and community public cameras

or various SIP/ONVIF platforms G.722 coding produces clearer HD voice quality
 Compatible with IEEE 802.3at/af PoE

Supports video intercom, door phone and single device paging
 Access control by IP phone, DTMF code and RFID card

Z-Wave 500 module series
Detects changes in movement via infrared technology (HZS-100)
Photoelectric sensor is particularly effective in detecting smoldering fires (HZS-200)
Door and window protection against unauthorized entry (HZS-300)

 Auto discovery of up to 512 devices via web interface Central provisioning and remotely control over each managed device A topology view of network devices by LLDP protocol The status of a network can be reported via system event and syslog

SMTP alarm for managed devices in real-time status

Built-in PLANET AP controller (SAPC) and RADIUS authentication function

 Central provisioning and control over each managed device
 Event alert notification via e-mail Supports PLANET DDNS and Easy DDNS

■ Supports PLANET DDNS, Easy DDNS Standalone machine controls up to 8/16 computers Cascade up to 2 levels - control up to 64/256 computer



Video Wall Ultra 4K HDMI/

IHD-210PT IHD-210PR HD HDMI Extender

 Intelligent power-on sequencing based on event occurrence Events notification by sending pop-up message, trap, SMS or e-mail



Centrally-managed, Integrated Network Infrastructure Solutions to IoT & IIoT

