

Your Best Partner for IP Surveillance

Korenix Technology, the World Leader in IP Surveillance Networking, has been dedicated in developing the most innovative and state-of-the-art products to ensure your video quality and reliability. Along with our expertise in IP networking, the solutions encompass IEEE 802.3af PoE and 802.3at High Power PoE Switches, Booster PoE Switches, Video-optimized Gigabit Ethernet and Waterproof Ethernet Switches, Long Distance Wireless Outdoor APs and Programmable PoE Routing Computers, for surveillance anytime, anywhere and for any purposes.

Fully IP Surveillance Compatible

Korenix network solutions fully support video packets such as H.264, MPEG4, M-JPEG, I-frame, and P-frame, etc, and are fully compatible with Axis, Mobotix, Bosch, and Pelco, as well as other current world-famous IP camera suppliers. No matter which brand you choose, which type of IP camera you use and which recording software or NVR you apply, Korenix offers the fully compatible and well-rounded surveillance solutions.



Optimal IP Surveillance Network Technology

Global Leading High Power PoE / PoE Boost Technology

Korenix PoE products comply with IEEE802.3af PoE standard and even achieve IEEE802.3at High Power PoE to deliver up to 30W power to high-end PoE-enabled devices. The 12V and 24V power boost technologies are able to bring PoE to vehicle, bus and railway applications, which make mobile IP surveillance more feasible and reliable.

Multi-Ring for Seamless IP Surveillance Network

Network reliability is critical for IP surveillance. Since any single network link carries multiple video streams, a link failure can result in serious loss of video streams. Korenix patented MSR (Multiple Super Ring) technology guarantees a reliable and continuous IP network for any mission-critical video transmissions. There will no longer be critical points in your surveillance network. Any network failure can recover within 5ms. This is virtually seamless!

Video Transmission Optimization with L2 / L3 Multicast & Routing

Korenix networking products are the perfect solutions for video surveillance. Transmission of video packets are prioritized over data by QoS for minimum delays or network bottleneck. When video streams are sent to one or many nodes, the data will always be forwarded only to designated nodes. Korenix optimizes multicast video transmission by comprehensive L2 and L3 multicast management features, thus greatly enhancing transmission efficiency and reducing bandwidth needed for every camera.

Industrial Intelligent Networking & Embedded Platforms

Korenix, a Beijer Electronics Group Company is a market leading brand in industrial networking and embedded computing solutions with an extensive track record in providing innovative, market - oriented, value focused solutions to the industrial market.

Worldwide Recognition & International Awards

For excellence in products design and their outstanding performance, Korenix has achieved worldwide recognition and is continually winning international awards, including COMPUTEX Best Choice Award in Year 2007, 2008, and 2009, IF Design Award 2009, Automation-2009 Award of AISS-Automatica, Outstanding IT Products Award 2008, PRODUCT OF THE YEAR 2007 from Control Engineering, and Golden Penguin Award 2008. In 2009, Korenix JetBox is awarded Taiwan's Leading Product Sponsorship by the Taiwan Ministry of Economy. In 2010, Korenix has established its credibility by becoming a D&B D-U-N-S Registered™ Enterprise as well as being granted a 2010 Standard Chartered SME Elite award with a listing among Top 500 SME's of Taiwan.



Patent Technologies

2006

- Rapid Super Ring
- Dual Homing
- Tracked Switch Casing Machinery

2007

- Multiple Super Ring with MultiRing, TrunkRing, AnyRing
- Seamless Ring Restoration with ZERO Restoration Time
- Rapid Dual Homing II
- Waterproof Switch Casing Machinery

2008

- 6-in-1 Communication Computer
- Encrypted auto-run customization setting for the devices
- Monitoring and auto-recovery for applications

2009

- 24V to 48V PoE Boost Technology
- Fast Recovery Mechanism for Trunk Ring

2009

- A Fast Redundant Path Moving Mechanism for Network Coupling
- Initial Setup Method for Ring Network, Broken Link Redundancy Procedure and Restoration Method for Reconnected Broken Link
- Ring Network Coupling and its Redundant Procedure
- Power over Ethernet System Having Hi-Pot Isolation and Automatic Output (pending)
- Power Adjustment with Thermal Control (pending)

2010

- Distribute Power Management Device
- Network Protocol Speedup Classification Method
- Two way Booster PoE switch card: PCI add-on card or stand-alone switch card (pending)
- Serial Data Buffer for broken Uplink Ethernet Connection (pending)
- Security SD card with a key to trigger users' programs (pending)

Vertical Market Certifications

For vertical market application, Korenix products are designed and compliant with different approvals.

- IEC 61850-3, IEEE 1613 for Power Substation
- NEMA TS1 / TS2 for Intelligent Transportation System
- EN 50121-4 for Railway Trackside
- e-Mark for Moving Vehicle
- UL508 for Industrial Environment

A Beijer Electronics Group Company

Associations



www.korenixsecurity.com

Easy Selection Guide

3-Step, Select Your IP Surveillance Network Solution



1 Connecting to the IP Cameras

IP Camera with PoE

Standard 48V PoE
 JetNet 3705/3705f JetNet 3710G

Vehicle Surveillance 12~24V PoE
 JetNet 3705-24V

High power IEEE802.3at PoE

- Optimized QoS, VLAN & IGMP
- Multiple Ring Redundancy
- Enhanced Reliability by LPLD

JetNet 5728G-24P
 JetNet 5728G-16P
 JetNet 5720G-8P

JetNet 4706/4706f

JetNet 3810Gf
 JetNet 3810f

JetNet 3810G
 JetNet 3806G

Anti-Vibration
 JetNet 6810G-RJ
 JetNet 6810G-M12

JetBox 9560/9562
 JetBox 9563G

Anti-Vibration
 JetNet 5710G

Anti-Vibration
 JetNet 6710G-RJ/M12

JetCard 2215

Extreme Environment
Anti-Vibration
 JetNet 3706-RJ

Programmable PoE Routing Platforms
 JetBox 9310 JetBox 9535 JetBox 9530 JetBox 9532 JetBox 9533G

IP Camera without PoE

Cost Effective
 JetNet 2005
 JetNet 2005f

JetNet 3008
 JetNet 3008f

Gigabit for Megapixel
 JetNet 3008G JetNet 3010G JetNet 3018G

- Optimized QoS, VLAN & IGMP
- Network Reliability with MSR Ring Redundancy / MSTP

JetNet 4006
 JetNet 4006f

JetNet 4010

JetNet 4508 V2
 JetNet 4508f V2

JetNet 4510

JetNet 4518-w

JetNet 5010G

JetNet 5012G

JetNet 5018G

JetNet 6059G

2 Connecting to the Central Room

By Wire

- Optimized QoS, VLAN & IGMP
- Network Reliability with MSR Ring Redundancy / MSTP



By Wireless LAN

IEEE 802.11a to more than 40km



JetWave 2610



JetWave 2620

Dual Band
11a + 11b/g



JetWave 2640

IEEE 802.11b/g/n for up to
150Mbps net data rate



JetWave 2450

3 Core Switch in Central Room

- Layer 2 Switch**
- Security
 - QoS, VLAN & IGMP
 - Network Reliability with MSR Ring Redundancy and MSTP



JetNet 5428G / 5428G-DC /
JetNet 5428G-2G-2FX

- Layer 3 Switch**
- Inter-VLAN Routing
 - IP routing
 - 24 Full Gigabit ports



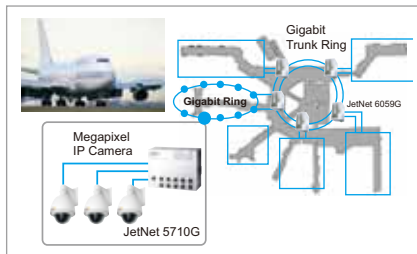
JetNet 6524G / 6524G-DC

Airport Security

Protect against Potential Terrorism in Large Group Management Networks



With increasing number of terrorism threats worldwide, advanced surveillance in airports is becoming critical leading the way in deploying reliable networks with high-end cameras. In Miami Airport JetNet 5710G High power 802.3at PoE and JetNet 6059G full giga managed switches have been installed to power high-end cameras and extend large video transmission while forming reliable multiple 100Mbps and 1000Mbps copper/fiber rings in different sites. The auto visualization and efficient network management of large groups has been further achieved with LLDP and patented JetView Pro NMS.



Why JetNet 5710G

- 8-ports deliver 30W per port by IEEE 802.3at High Power PoE for High-End IP Cameras
- 2 Giga ports uplink megapixel video streams
- Patented MSR redundancy ring ensures network reliability

Why JetNet 6059G

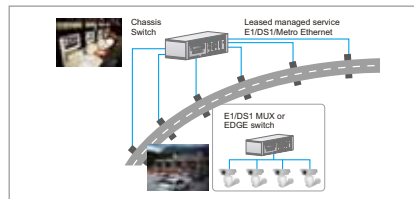
- 9 Full gigabit ports ensure High Quality Video Stream Data
- SFP with DDM to monitor long distance fiber quality
- TrunkRing technology doubles bandwidth and redundancy
- LLDP & JetView Pro for auto-topology visualization

Highway

Traffic Monitoring of Vehicle Flow and Speed Limit on Toll Station

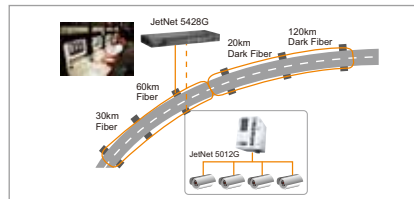


Traditional Traffic monitoring systems are designed in a star network, then linked to a central switch. Any unexpected link failure can result in loss of video streams. By applying Korenix Redundant Ring technology through the rackmount and Din-rail managed switches, any link failure will be recovered in just few milliseconds. You will feel confident and assured with the time-saving and continuous surveillance network.



Legacy Highway Surveillance, Costly & No Redundancy

- 1-to-1 Fiber link
- Requires costly leased managed services
- Many costly MUX cards



JetNet 5428G and JetNet 5012G Increase Reliability & Reduce System Costs

- Reliable: MSR redundant multiple rings
- High-Speed: Gigabit fiber/copper ports
- Flexible: SFP distance/bandwidth
- Lower cost than EDGE switch / MUX
- Less leased managed services

Bus Surveillance

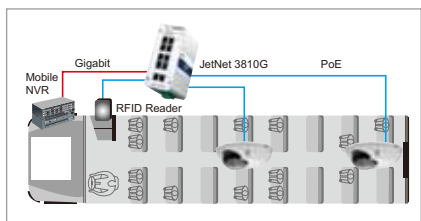
Secure Bus Passengers' Safety in Every Corner



To help reduce crime and vandalism, many public transportation companies deploy IP video surveillance systems.

Recently, bus company in Perth opted to use Korenix JetNet 3810G for its connectivity of RFID reader and IP Digital video recorder. The megapixel video stream transmission was provided to the uplink network via 2 Gigabit uplink ports. By using a Power over Ethernet based solution, cabling costs were greatly reduced.

Moreover, the vibration resistance and the fan-less design with no moving parts made JetNet 3810G the ideal solution for this application.



Why JetNet 3810G

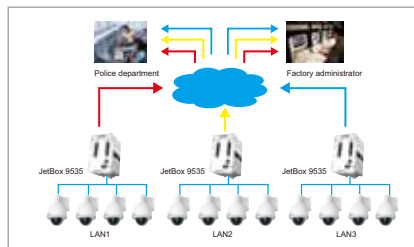
- 12~24VDC power input, IEEE 802.3af PoE out for Bus surveillance
- 8-port PoE reduces wiring costs
- 2 Gigabit ports for megapixel video transmission

Oil Field Surveillance

Efficient Multisite Surveillance by Advanced Multicast Routing



A surveillance system in oil field helps to ensure safety and security. The administrator can take action immediately whenever emergency occurs. A client in USA required the customized security control and the real-time video monitored by both the factory and the local police department, which are separated at different Local Area Networks. Korenix JetBox 9535, featured with JamVM programming and the advanced multicast routing capability, fits the need and routes the videos to multiple sites effectively.



Why JetBox 9535

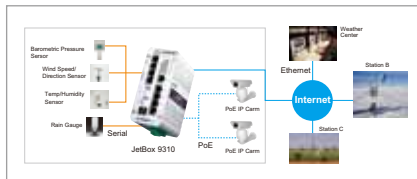
- 8-port PoE reduces installation and wiring costs
- L3 Routing sends video across different LANs
- Advanced multicast routing protocol enables multisite surveillance
- JamVM programming for customized application
- Operating temperature -25~70°C

Weather Station

Environmental Monitoring through the Internet



Global warming, the most controversial environmental issue today, carries the hidden jeopardy for all human on earth. FAA takes actions to monitor environmental conditions and effects on deserts and glaciers in Alaska, where the temperature varies outrageously. Global scientists and technicians can then seek the method to challenge the severe conditions from the on-site weather stations.



Why JetBox 9310-w

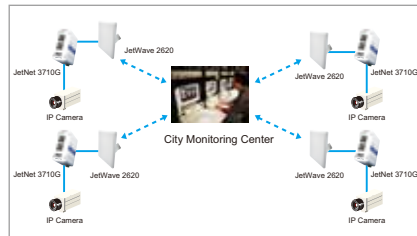
- 6-in-1 solution, compact size minimizes the installation cost
- NAT static routing
- Wide operating temperature -40~80°C
- Open Linux for flexible customization

Wireless City Surveillance

Keep your City Thriving with Cost-Effective and Reliable PoE Solution



With the surveillance becoming basic tool for normal functioning of any city's infrastructure and with emerging market of IP network solutions, IP surveillance system installers are now demanding lower-cost, easy-to-install, reliable Ethernet switch solutions for their security network constructions. To accomplish this task, a Telecom Company opted to use Korenix JetNet 3710G industrial 8-port PoE + 2-port Gigabit switches for powering IP cameras and ensuring the high quality and real time video transmission to the city monitoring center via JetWave 2620 wireless outdoor AP.



Why JetNet 3710G

- Cost-effective: 8 PoE ports reduce wiring costs
- High-Speed: Gigabit ports uplink large megapixel video images
- Fanless design, rugged aluminum case

Why JetWave 2620

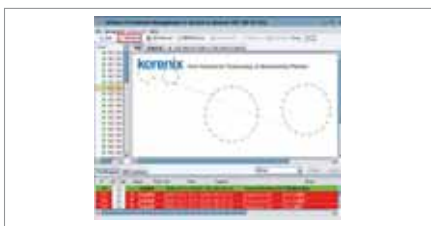
- TDMA guarantees video transmission without collision
- Dual Interfaces double bandwidth
- Wireless coverage over 40KM

JETVIEW

Intelligent Network Management for Real-Time Surveillance

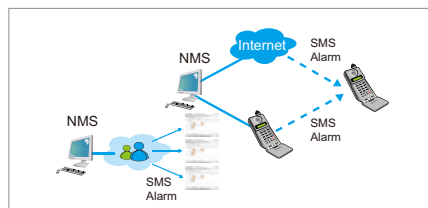
JetView Pro, Korenix patented Industrial Intelligent Network Management System (i²NMS) provides a comprehensive platform for monitoring, configuring and maintaining mission-critical IP-based communication networks in large scale surveillance systems. The user-friendly software allows administrators to discover devices automatically and efficiently manage the surveillance network performance.

Fast Network Discovery and Auto Topology Layout



Korenix JetView Pro is a management software which easily discovers up to 1024 network nodes, including 3-rd party devices, in a large surveillance network. All the detailed data on multiple subnets as well as MSR ring status, trunking link, wireless link*, and VLAN* link and port status, device information are automatically being visualized on the topology map. In addition, distinguished icons help administrators easily manage and trouble shoot the large-scale network.

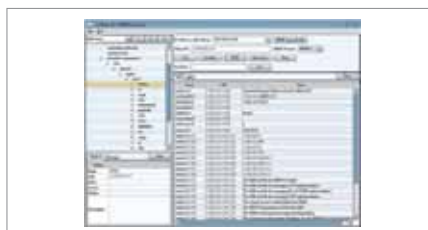
Excellent Status Performance & Event Management



To analyze the huge number of video streams, JetView Pro periodically monitors and reports selected nodes and interface statistics. Furthermore, it incorporates SNMP gatherer function, which allows reviewing gathered SNMP MIB data performance without a need of additional device. Korenix i²NMS can be centrally or remotely deployed to reduce the network traffic. With the event management capability of JetView Pro, engineers can define all the events, such as link failure, power failure, device availability, etc. occurred in the surveillance network. The notifications can be sent in a real-time basis via email, application programs, SNMP trap, and even through XMPP*, SMS* and MSN Messenger*.

Easy Group Configurations

To ensure the high-quality of the surveillance network, Korenix JetView Pro helps easily configure devices through Web, Telnet, SSH and SNMP. With JetView Pro, users can manage the devices one by one or in group to upgrade firmware and boot loader, restore and backup configuration files, assign or modify IP addresses, configure MSR redundant rings, as a result greatly increasing the surveillance network performance.



* Available in JetView Pro v2.0

JETPoE

Innovation Beyond Just Power Feeding

JetPoE series, the PoE and high power PoE switches with Korenix patented technologies, provide the most reliable and flexible solutions to the PoE surveillance market. The non-stop surveillance with JetPoE series is guaranteed through reliable power feeding of IP cameras and high quality video delivery. The world's first 12 and 24V vehicle PoE design upgrades legacy transit CCTV surveillance to the most advanced digital IP megapixel solutions, while the innovative High Power PoE technologies allow transmitting over 500W high power to outstandingly fulfill local increasing PoE demands.

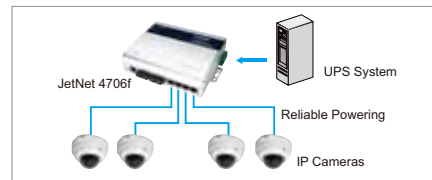
Cost Saving and Easy Maintenance

Applying PoE to your surveillance infrastructure is a market trend since system power and data are transmitted via the same CAT5 cable.

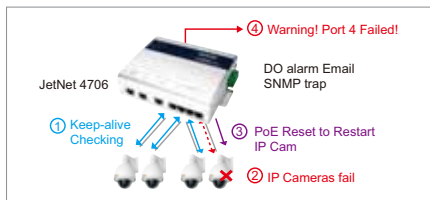
It is also convenient for administrators to routinely maintain and inspect system functionality.

Redundant Power Supply

To ensure power availability and reliability, JetPoE series support dual power inputs which can be connected to separate power sources or connected to UPS (Uninterruptible Power Supply) system as the extended power source.



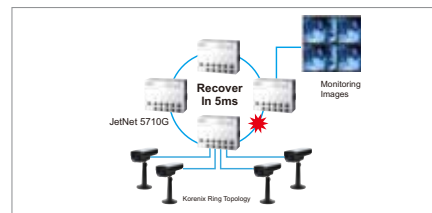
“Link Partner Line Detect” for System Reliability



Korenix patented PoE “Link Partner Line Detect” technology guarantees the reliable connection of IP cameras. Once keep-alive checking detects IP camera failure, the PoE restarts the IP camera and sends an event notification to the watchman. This technology enhances system reliability while minimizing the maintenance time and cost.

MSR Protects Surveillance Network

In the traditional star network, an unexpected link failure results in the loss of all the video images transmitted on the path. With Korenix patented MSR (Multiple Super Ring), any link failure will be recovered in just 5ms. Hence, there is no critical point in this fast-recovery topology.



Flexible Powering

Korenix JetPoE series feature the flexible powering ability to apply in various circumstances including

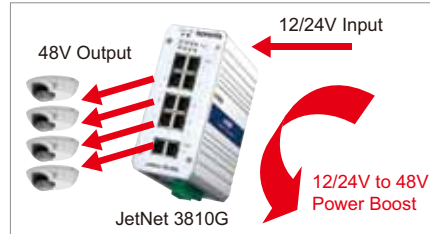
standard PoE, high power PoE, non-standard PoE, for both wired and wireless surveillance.

Booster PoE for Transit Surveillance

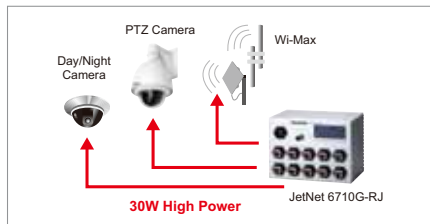
JetPoE series are designed with Korenix patented 24V vehicle PoE Boost technology to fulfill vehicle applications requiring exceptionally 24VDC power input. This makes the deployment of standard IEEE 802.3af PoE IP cameras feasible on bus, railcar and water vessel.



IP Surveillance PoE Switch



Global Exclusive 30W High Power PoE Compliant to IEEE 802.3at



JetPoE series are the world's first PoE switch with High Power PoE IEEE 802.3at capability for delivering up to 30 watts high power per port and over 500W per unit by software configuration or by LLDP PoE detection and power budget negotiation. This feature fits best for surveillance applications with high power consumption PTZ cameras and for wireless delivery with Wi-Max APs.

Efficient Powering Mechanisms

JetPoE series are designed with various powering mechanisms to ensure proprietary high power delivery to standard, non-standard and high end PoE devices:

IEEE 802.3at LLDP PoE

The LLDP PoE provides smart power budget control behavior to fulfill the needs of higher end setups, requiring exact high power delivery.

IEEE 802.3at 2-event PoE

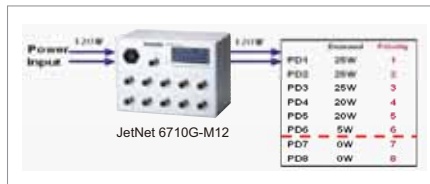
It provides PoE power budget management

between PSE and PD devices and allows PD devices request up to 30W power from switches via the PoE chip behavior without implementing additional software, thus allowing switches to efficiently power high-end PoE devices in an easy way without software configurations.

Forced Power Feeding

JetPoE switches feature proprietary powering design – the forced powering mode which powers non-standard PoE products with safety control.

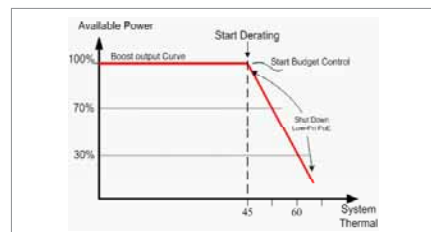
Priority Control for PD Power Budget Limitation



JetPoE series provide auto budget and priority control to limit total output power in case if a PD device is not claimed right consumption numbers. Once the total power supply exceeds the limit installed by user, the switch will automatically turn off the lowest priority ports. This will allow users to protect high priority PD devices from shut down caused by overloading of the power supply.

Intelligent Auto Thermal Detection for PD Setting

JetPoE switches adopt thermal detector to ensure the reliable operation of DC booster under safe temperature by smartly checking DC booster temperature and adjusting to it available PoE output. When PoE is degrading due to ambient temperature, PD will shut down by priority. This makes PoE switch an intelligent power control device that helps users maintain PDs under specific temperatures.





JetNet 5728G -24P



JetNet 5728G -16P



JetNet 5720G -8P

Rackmount Managed Giga IEEE 802.3at High Power PoE Switch

IP Camera Compatibility			
Motion JPEG, MPEG-4, H.264	•	•	•
Megapixel, HDTV	•	•	•
PoE			
Number of PoE ports	24	16	8
PoE Powering conductor	1,2,3,6	1,2,3,6	1,2,3,6
High Power for PTZ/IR Camera	30W	30W	30W
Total Power Budget	240W @AC(50°C) / 540W @DC(65°C)	240W @AC(50°C) / 340W @DC(65°C)	75W @AC(50°C) / 160W @DC(65°C)
24V Boost for Vehicle, Bus, Railway			
Forced Powering for Non-standard PoE Camera	•	•	•
IEEE802.3at 1-event / LLDP classification	•	•	•
Interface			
Fast Ethernet 10/100TX	24	24	16
Gigabit Ethernet 10/100/1000TX	4G (Combo)	4G (Combo)	4G (Combo)
Fiber Ports	4 (Giga SFP)	4 (Giga SFP)	4 (Giga SFP)
Relay Output	•	•	•
Power Input	2 x DC 46 ~ 57V AC 90~264V/DC127~370V	2 x DC 46 ~ 57V AC 90~264V/DC127~370V	2 x DC 46 ~ 57V AC 90~264V/DC127~370V
Video Transmission Quality			
QoS Prioritized Video Transmission	•	•	•
IGMP Optimized Multicast Transmission	•	•	•
IEEE 802.1Q VLAN Traffic Isolation	•	•	•
Network and System Reliability			
RSTP / MSTP	•	•	•
MSR Redundant Surveillance Network	•	•	•
IP Camera Alive Check and Failure Recovery	•	•	•
IP Camera Failure Alarm	•	•	•
IP Camera Cable Loss Alarm	•	•	•
Other Protocols			
Web Config/JetView/JetView Pro	•	•	•
DHCP, HTTPS, SSH, Port/IP Security, 802.1x	•	•	•
SNMP v1/v2c/v3 RMON	•	•	•
SMTP/Syslog	•	•	•
IEEE802.1 AB LLDP	•	•	•
Environmental Protection			
Case Protection	IP31	IP31	IP31
Operating Temperature	-25~65°C (802.3af)	-25~65°C (802.3af)	-25~65°C (802.3af)
Installation			
Din-Rail / Wall Mount			
Rack-mount	•	•	•
Certifications			
Regulation: CE/FCC/UL/CB	•	•	•
RoHS/WEEE	•	•	•

◀◀◀ IP Surveillance PoE Switch



Managed Giga
IEEE 802.3at High Power PoE Switch
Managed High Power PoE Switch

	JetNet 6710G-M12	JetNet 6710G-RJ	JetNet 5710G	JetNet 4706	JetNet 4706f
IP Camera Compatibility					
Motion JPEG, MPEG-4, H.264	•	•	•	•	•
Megapixel, HDTV	•	•	•	•	•
PoE					
Number of PoE ports	8(M12)	8(RJ45)	8	4	4
PoE Powering conductor	1,2,3,4	1,2,3,6	1,2,3,6	4,5,7,8	4,5,7,8
High Power for PTZ/IR Camera	30W	30W	30W	25W	25W
Total Power Budget	200W (60°C)	200W (60°C)	200W (60°C)	80W (60°C)	80W (60°C)
24V Boost for Vehicle, Bus, Railway					
Forced Powering for Non-standard PoE Camera	•	•	•	•	•
IEEE802.3at 1-event / LLDP classification	•	•	•	IEEE802.3af LLDP	IEEE802.3af LLDP
Interface					
Fast Ethernet 10/100TX	8 (M12)	8 (RJ45)	8	6	4
Gigabit Ethernet 10/100/1000TX	2G	2G	2G		
Fiber Ports					2 (100FX)
Relay Output	•	•	•	•	•
Power Input	DC48-57V x 2	DC48-57V x 2	DC48-57V x 2	DC48V x 2	DC48V x 2
Video Transmission Quality					
QoS Prioritized Video Transmission	•	•	•	•	•
IGMP Optimized Multicast Transmission	•	•	•	•	•
IEEE 802.1Q VLAN Traffic Isolation	•	•	•	Port-based	Port-based
Network and System Reliability					
RSTP / MSTP	•	•	•	RSTP	RSTP
MSR Redundant Surveillance Network	•	•	•	•	•
IP Camera Alive Check and Failure Recovery	•	•	•	•	•
IP Camera Failure Alarm	•	•	•	•	•
IP Camera Cable Loss Alarm	•	•	•	•	•
Other Protocols					
Web Config/JetView/JetView Pro	•	•	•	•	•
DHCP, HTTPS, SSH, Port/IP Security, 802.1x	•	•	•	•	•
SNMP v1/v2c/v3 RMON	•	•	•	•	•
SMTP/Syslog	•	•	•	•	•
IEEE802.1 AB LLDP	•	•	•	•	•
Environmental Protection					
Case Protection	IP30	IP30	IP30	IP31	IP31
Operating Temperature	-40~60°C (802.3af)	-40~60°C (802.3af)	-40~70°C (802.3af)	-40~60°C	-40~60°C
Installation					
Din-Rail / Wall Mount	Wall Mount	Wall Mount	Wall Mount	•	•
Rack-mount					
Certifications					
Regulation: CE/FCC/UL	CE/FCC	CE/FCC	CE/FCC	•	•
RoHS/WEEE	•	•	•	•	•
EN 50121-4 Railway EMC	Compatible	Compatible	Compatible		



	Managed Giga 24V PoE Switch	Giga/FE 12~24V Fiber PoE Switch	Giga 12~24V PoE Switch	24V PoE Switch	12~24V PoE UPCI Switch Board
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IP Camera Compatibility							
Motion JPEG, MPEG-4, H.264	•	•	•	•	•	•	•
Megapixel, HDTV	•	•	•	•	•	•	•
PoE							
Number of PoE ports	8(M12)	8(RJ45)	8(RJ45)	8	4	4	4
PoE Powering conductor	1,2,3,4	1,2,3,6	4,5,7,8	4,5,7,8	4,5,7,8	1,2,3,6	4,5,7,8
Total Power Budget	120W (60°C)	120W (60°C)	65W (60°C)	65W (60°C)	60W (60°C)	67W@DC24V 62.4W@DC48V	60W
24V Boost for Vehicle, Bus, Railway	•	•	12~24V Boost	12~24V Boost	12~24V Boost	•	12~24V Boost
Forced Powering for Non-standard PoE Camera	•	•					
IEEE802.3af 1-event / LLDP classification	•	•					
Interface							
Fast Ethernet 10/100TX	8 (M12)	8 (RJ45)	8	8	4	5	5
Gigabit Ethernet 10/100/1000TX	2G	2G		2G	2G		
Fiber Ports			2 Giga SFP (JetNet 3810Gf) 2 FE SFP (JetNet 3810f)				
Relay Output	•	•	•	•	•		
Power Input	DC24~57V	DC24~57V	DC12~24V	DC12~24V	DC12~24V	DC24/48V x 2	DC12~24V
Video Transmission Quality							
QoS Prioritized Video Transmission	•	•	•	•	•		
IGMP Optimized Multicast Transmission	•	•					
IEEE 802.1Q VLAN Traffic Isolation	•	•					
Network and System Reliability							
RSTP / MSTP	•	•					
MSR Redundant Surveillance Network	•	•					
IP Camera Alive Check and Failure Recovery	•	•					
IP Camera Failure Alarm	•	•					
IP Camera Cable Loss Alarm	•	•	•	•	•	•	
Other Protocols							
Web Config/JetView/JetView Pro	•	•					
DHCP, HTTPS, SSH, Port/IP Security, 802.1x	•	•					
SNMP v1/v2c/v3 RMON	•	•					
SMTP/Syslog	•	•					
IEEE802.1 AB LLDP	•	•					
Environmental Protection							
Case Protection	IP30	IP30	IP30	IP30	IP30	IP30	
Operating Temperature	-40~60°C	-40~60°C	-25~60°C	-25~60°C	-25~60°C	-10~60°C	-25~70°C
Installation							
Din-Rail / Wall Mount	Wall Mount	Wall Mount	Din-Rail	Din-Rail	Din-Rail	•	
Rack-mount							
Certifications							
Regulation: CE/FCC/UL	CE/FCC	CE/FCC	•	•	•	CE/FCC	CE/FCC
RoHS/WEEE	•	•	•	•	•	•	•
EN 50121-4 Railway EMC	Compatible	Compatible					
e-Mark			•	•	•		

◀◀◀ IP Surveillance PoE Switch



JetNet 3710G



JetNet 3706-RJ



JetNet 3705



JetNet 3705f

	Giga PoE Switch	IP67 PoE Switch	PoE Switch	
IP Camera Compatibility				
Motion JPEG, MPEG-4, H.264	•	•	•	•
Megapixel, HDTV	•	•	•	•
PoE				
Number of PoE ports	8	4	4	4
PoE Powering conductor	4,5,7,8	4,5,7,8	4,5,7,8	4,5,7,8
Total Power Budget	65W* (70°C)	55W (70°C)	60W (70°C)	60W (70°C)
24V Boost for Vehicle, Bus, Railway				
Forced Powering for Non-standard PoE Camera				
IEEE802.3at 1-event / LLDP classification				
Interface				
Fast Ethernet 10/100TX	8	6	5	4
Gigabit Ethernet 10/100/1000TX	2G			
Fiber Ports				1 (100FX)
Relay Output	•		•	•
Power Input	DC48V	DC44~57V x 2	DC48V x 2	DC48V x 2
Video Transmission Quality				
QoS Prioritized Video Transmission	•			
IGMP Optimized Multicast Transmission				
IEEE 802.1Q VLAN Traffic Isolation				
Network and System Reliability				
RSTP / MSTP				
MSR Redundant Surveillance Network				
IP Camera Alive Check and Failure Recovery				
IP Camera Failure Alarm				
IP Camera Cable Loss Alarm	•		•	•
Other Protocols				
Web Config/JetView/JetView Pro				
DHCP, HTTPS, SSH, Port/IP Security, 802.1x				
SNMP v1/v2c/v3 RMON				
SMTP/Syslog				
IEEE802.1 AB LLDP				
Environmental Protection				
Case Protection	IP30	IP67	IP31	IP31
Operating Temperature	-25~70°C	-40~70°C	-20~70°C	-10~70°C
Installation				
Din-Rail / Wall Mount	Din-Rail	Wall Mount	•	•
Rack-mount				
Certifications				
Regulation: CE/FCC/UL	•	CE/FCC	CE/FCC	CE/FCC
RoHS/WEEE	•	•	•	•

JetNet 5728G-24P / 5728G-16P / 5720G-8P IP Surveillance 24+4G Managed 802.3at High Power PoE Switch

- 4-port Gigabit Ethernet plus up to 24-port 10/100TX with PoE-Plus
- Up to 24 ports support 15.4W IEEE 802.3af and 30W high power IEEE 802.3at PoE, including 2-event and LLDP classification
- Total power budget is up 540/340/160W in DC power mode and 240/240/75W in AC power mode by IEEE 802.3at
- Proprietary Forced Powering for non-standard PoE with safety control
- Flexible-bandwidth and long-distance video transmission by SFP transceivers
- 4 Gigabits maximum uplink-bandwidth for hundreds of megapixel video streams
- Non-Blocking Switching for high-quality video transmission
- MSR redundant surveillance network with up to 12+2G MultiRings
- Up to 9,216 bytes Jumbo Frame for secured large file transmission
- LLDP and optional JetView Pro i²NMS, auto-topology visualization management software for efficient surveillance network
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- Supports up to 256 VLAN, LACP port trunking
- Redundant low-voltage 48VDC(46~57VDC) and high-voltage 90~264VAC or 127~370VDC power inputs
- IP31 rugged metal case with great heat dispersion

Industrial Rackmount
High Power PoE



CE FC cULus RoHS



Overview

JetNet 5728G series is a rackmount High-Port Density Gigabit Managed IEEE 802.3at High Power PoE switch, designed exclusively for highly critical PoE applications such as real time IP video surveillance with high resolution quality and the evolving wireless communication systems such as Wimax and 802.11 a/b/g/n APs. By software configuration or by LLDP auto detection, all of the 8, 16 or 24 PoE ports can deliver 15.4W by IEEE 802.3af or 30W by the latest High Power PoE IEEE 802.3at standard. The switch generates up to 540W total power budget in DC power mode and up to 240W in AC power input

mode for upgrading the existing video network infrastructure to a powerful surveillance network. The Gigabit ports provide high speed uplink to connect with higher level backbone switches with Korenix MSR™ network redundancy technology for transferring larger and high quality megapixel video images with less than 10ms network recovery time. Combining advanced Layer2 management features, such as LLDP and JetView Pro i²NMS, VLAN, QoS, IGMP snooping, DHCP option 82, etc. to the corrosion resistant fan-less design, JetNet 5728G series becomes the revolutionary solution for high performance surveillance applications.

Ordering Information

- JetNet 5728G-24P IP Surveillance 24+4G Managed 802.3at High Power PoE Switch with 24-port PoE
- JetNet 5728G-16P IP Surveillance 24+4G Managed 802.3at High Power PoE Switch with 16-port PoE
- JetNet 5720G-8P IP Surveillance 16+4G Managed 802.3at High Power PoE Switch with 8-port PoE

Optional Accessories

- SDR-480-48: Industrial DC48V Power Supply, 90~264VAC/127 ~ 370VDC power input, -25~70°C

■ JetNet 6710G-M12 / 6710G-RJ

IP Surveillance 8+2G Managed M12/RJ45 802.3af High Power PoE Switch

- 2-port Gigabit Ethernet plus 8-port 10/100 TX with PoE-Plus
- Rugged RJ45 and M12 connector against vibration and shock
- 8 PoE ports support 15.4W IEEE 802.3af and 30W high power IEEE802.3at PoE by LLDP PoE classification
- 200W total power budget for High-power PTZ cameras
- Proprietary Forced Powering for non-standard PoE with safety control
- PoE scheduling management
- Auto thermal detection and power budget control
- MSR redundant surveillance network with 4+1G MultiRings, 5ms failure recovery
- QoS for prioritized video transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- Tag-VLAN for multiple VLAN traffic isolation
- LACP port trunking for bandwidth aggregation in video surveillance
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- IP camera keep alive check and auto failure recovery
- IP camera loss/failure alarm by e-mail and SNMP trap
- EN 50121-4 Railway EMC compatible
- Operating temperature -40~60°C (802.3af)



JetNet 6710G-M12



JetNet 6710G-RJ

CE FC RoHS



■ JetNet 5710G

IP Surveillance 8+2G Managed 802.3af High Power PoE Switch

- 2-port Gigabit Ethernet plus 8-port 10/100 TX with PoE-Plus
- 8 PoE ports support 15.4W IEEE 802.3af and 30W high power IEEE802.3at PoE by LLDP PoE classification
- 200W total power budget for High-power PTZ cameras
- Proprietary Forced Powering for non-standard PoE with safety control
- MSR redundant surveillance network with 4+1G MultiRings, 5ms failure recovery
- QoS for prioritized video transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- Tag-VLAN for multiple VLAN traffic isolation
- LACP port trunking for bandwidth aggregation in video surveillance
- LLDP and optional JetView Pro i²NMS, auto-topology visualization management software for efficient surveillance network
- Redundant DC Power Inputs and Alarm Relay Output
- IP camera keep alive check and auto failure recovery
- IP camera loss/failure alarm by e-mail and SNMP trap
- EN 50121-4 Railway EMC compatible
- Operating temperature -40~70°C (802.3af)



CE FC RoHS



JetNet 4706 / 4706f

IP Surveillance 6-Port Managed High Power PoE (Fiber) Switch

- 2-port 10/100 TX/FX Ethernet and 4-port PoE-Plus
- 2 Fiber links for long distance transmission (JetNet 4706f)
- Supports Multi-mode 2KM, Single-mode 30KM (JetNet 4706f)
- DC48V input, 15.4W output for IEEE802.3af PoE IP camera
- Up to 25W per port for high power PoE PTZ cameras by Forced powering mode
- 80W total power budget for PTZ cameras
- QoS for prioritized video transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- Port-based VLAN for video traffic isolation
- Multiple Super Ring guarantees network reliability, 5ms failure recovery
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Auto-detect Powered Device status for device auto-reset (LPLD)
- IP camera keep alive check and auto failure alarm, recovery
- IP camera loss/failure alarm through DO, e-mail and SNMP trap
- Built-in hardware watchdog timer for system auto-reset
- Redundant DC 48V power inputs
- IP31 rugged aluminum case with great heat dispersion
- Operating temperature -40~60°C



JetNet 4706

JetNet 4706f



JetNet 6810G-M12 / 6810G-RJ

Transit Surveillance 8+2G Managed M12/RJ45 Booster PoE Switch

- 2-port Gigabit Ethernet plus 8-port 10/100 TX IEEE802.3af PoE
- Rugged RJ45 and M12 connector against vibration and shock
- Built-in Isolated 24V to 57V DC PoE Booster for vehicle usages
- 120W total power budget for PTZ cameras
- Auto Power Budget Control with Thermal Detection
- Proprietary Forced Powering for non-standard PoE with safety control
- PoE scheduling management
- QoS for prioritized video transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- Tag VLAN for multiple VLAN traffic isolation
- LACP port trunking for bandwidth aggregation in video surveillance
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Multiple Super Ring guarantees network reliability, 5ms failure recovery
- IP camera keep alive check and auto failure recovery
- IP camera loss/failure alarm by e-mail and SNMP trap
- EN 50121-4 Railway EMC compatible
- Operating temperature -40~60°C



JetNet 6810G-M12



JetNet 6810G-RJ



■ JetNet 3810(G)f / 3810G / 3806G

Transit Surveillance 8/4+2G (2 SFP) Booster PoE Switch

- 2-port Gigabit plus 8-port 10/100 TX IEEE802.3af PoE (JetNet 3810G)
- 2-port Gigabit plus 4-port 10/100 TX IEEE802.3af PoE (JetNet 3806G)
- 2-port 100/1000FX SFP fiber plus 8-port 10/100 TX IEEE802.3af PoE (JetNet 3810f / 3810Gf)
- DC12~24V input, boost to DC48V, 15.4W output PoE for IP camera
- 65/60W* total power budget for PTZ cameras
- 2 Gigabits maximum uplink-bandwidth for hundreds of megapixel video streams (JetNet 3810Gf / 3810G / 3806G)
- Flexible and long distance video transmission by SFP transceivers (JetNet 3810f / 3810Gf)
- QoS for prioritized video transmission
- Fault relay for active warning of port failure
- Operating temperature -25~60°C

Vehicle with 12~24V



JetNet 3810(G)f JetNet 3810G JetNet 3806G



* Specifications may change without prior notice

■ JetNet 3705-24V

Transit Surveillance 5-port Booster PoE Switch

- 1-port 10/100 TX Ethernet and 4-port 10/100TX IEEE802.3af PoE
- DC48V input, 15.4W output for IP camera
- DC24V input, boost to DC48V, 15.4W output PoE for IP camera
- 67W @ DC24V and 62.4W@DC48V total power budget for PTZ cameras
- Redundant power inputs 24V/48V
- Operating temperature -10~60°C



■ JetCard 2215

Embedded 4-port PoE Universal PCI Switch Board

- Supports 32 bit Universal PCI bus
- 5-ports Ethernet Switch with 4 PoE Injectors
- Korenix patented built-in DC 12 to 24V Booster
- Embedded 4-port IEEE 802.3af PoE, delivering 15.4W per port, 60W per unit
- Supports Windows Vista/NT/2000/2003/XP, Linux 2.4/2.6
- Supports Flow Control for zero packet loss
- -25~70°C operating temperature



■ JetNet 3710G

IP Surveillance 8+2G PoE Switch

- 2-port gigabit Ethernet and 8-port 10/100 TX IEEE802.3af PoE
- DC48V input, 15.4W output for IP camera
- 65W* total power budget for PTZ cameras
- 2 Gigabits maximum uplink-bandwidth for hundreds of megapixel video streams
- QoS for prioritized video transmission
- Fault relay for active warning of port failure
- Operating temperature -25~70°C



■ JetNet 3706-RJ

IP67 Weatherproof 6-port RJ45/IP67 PoE Switch

- IP67 waterproof, dust-tight for surveillance in extreme environment
- Rugged, corrosion-resistant aluminum enclosure
- 4-port PoE and 2-port 10/100 TX Ethernet
- 55W total power budget with max. 15.4W per port to power PoE cameras
- Easy-installed, rugged RJ45 connector for anti-vibration and shock
- 2.0 Gbps switch fabric with excellent data exchange performance
- Broadcast storm control
- Redundant power inputs DC 44~57V
- Operating temperature -40~70°C



■ JetNet 3705 / 3705f

IP Surveillance 5-Port PoE (Fiber) Switch

- 1-port 10/100 TX/FX Ethernet and 4-port 10/100TX IEEE802.3af PoE
- One fiber link for long distance transmission (JetNet 3705f)
- Supports Multi-mode 2KM, Single-mode 30KM (JetNet 3705f)
- DC48V input, 15.4W output for IP camera
- 60W total power budget
- IP camera loss alarm by relay output
- Redundant power inputs
- IP31 rugged aluminum case with great heat dispersion



JetNet 3705

JetNet 3705f



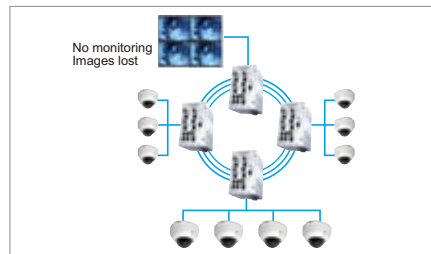
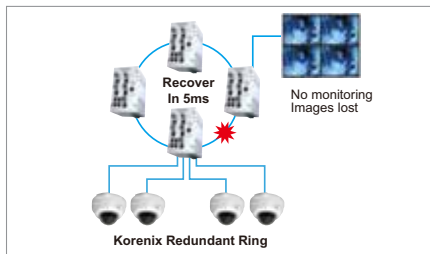
* Specifications may change without prior notice

JETNET

The Most Reliable and High Quality IP Surveillance Network

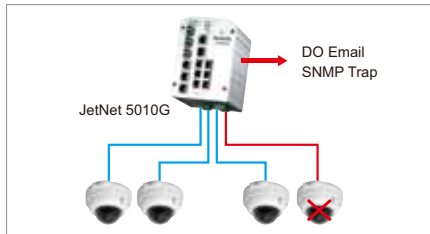
With rising importance of displaying high quality images, video surveillance is now heading the way of IP, where high bandwidth and reliability are the basic features of surveillance networks. JetNet series provide complete Ethernet networking solutions ranging from the layer 3 switch to high-bandwidth and high-speed Gigabit switches. The managed models of JetNet series support advanced management features, including QoS, VLAN, IGMP, LLDP as well as the Korenix patented ring technology, ensuring the most reliable and high-quality IP surveillance network.

MSR, Reliable and Seamless IP Surveillance Network



In the traditional star topology with RSTP, any unexpected link failure would result in loss of multiple video images. With Korenix patented MSR (Multiple Super Ring), any link failure will be recovered in just 5ms ensuring reliable Korenix surveillance network with no critical points. Moreover, it provides various redundancy mechanisms, including TrunkRing, MultiRing and Rapid Dual Homing to flexibly fit in surveillance systems with increased bandwidth and scalability.

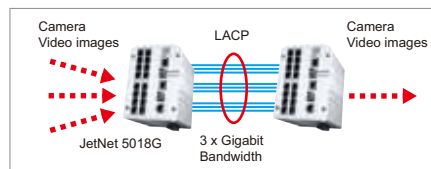
IP Camera Event Warning



JetNet series are equipped with several event warning features for remote management of IP camera groups --- E-mail, SNMP trap, Syslog and Digital Output. Administrators will be informed once any unexpected event happens such as outward attack or system shutdown by thermo issues.

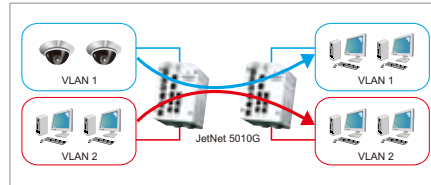
Jumbo Frame & Link Aggregation for Multiplied Bandwidth

Megapixel images require greater network bandwidth. In terms of video transmission speed, JetNet series support link aggregation technology to maximize link bandwidth. Hundreds of megapixel video streams can be transmitted via the aggregated link. To further achieve a higher quality for large file packet transmission, the switches support up to 9K Jumbo frame, allowing transmitting large megapixel video streams with fewer segments.

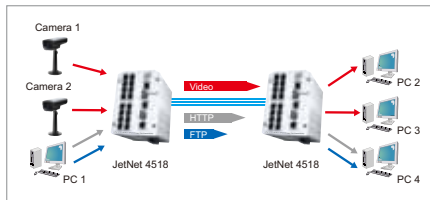


Video Traffic Isolation

JetNet series supports VLAN (Virtual Local Area Network) which virtually segments the network into specific groups. Video streams are isolated from data to deliver a clear transmission, while securing the video stream from any malicious action.



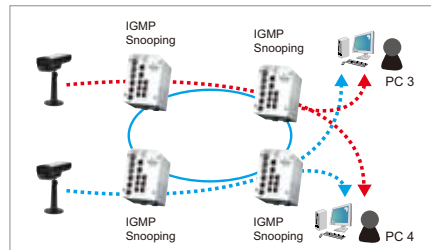
Precedence Video Transmission



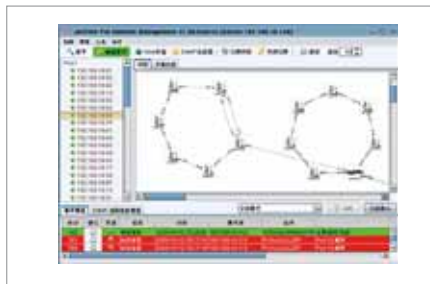
JetNet series support QoS (Quality of Service) to prioritize packets transmitting on network. As illustrated in the left diagram, video packets from IP cameras are sent in the first priority, and then the HTTP and FTP is sent from PC. Precedence transmission ensures real-time video surveillance while preventing loss of images.

Optimization for Video Multicast

Video streams sent from one source to many users, should always be fed efficiently and to only where they're needed. Korenix switches optimize multicast video transmission by comprehensive Layer 2 and Layer 3 multicast management features, greatly enhancing the bandwidth utilization and video quality. This capability eliminates the costly Layer 3 routers deployed in legacy network.



Easy Configuration by NMS



Network management is critical for large scale surveillance systems. JetNet series support LLDP and perfectly works with JetView Pro, the Korenix patented intelligent NMS (Network Management System), to show the real-time network status, discover over 1000 IP-enabled devices and automatically visualize topologies, deliver group management etc. The user-friendly software can be easily configured in response to any sudden events as a result helping administrators efficiently and effectively manage the performance of the large-scale industrial surveillance networks.

◀◀◀ IP Surveillance Ethernet Switch



JetNet 6524G
JetNet 6524G-DC



JetNet 5428G
JetNet 5428G-DC
JetNet 5428G-2G-2FX

	Rackmount L3 Managed Switch	Rackmount L2 Managed Switch
IP Camera Compatibility		
Motion JPEG, MPEG-4, H.264	•	•
Megapixel, HDTV	•	•
Interface		
Fast Ethernet 10/100TX		24
Gigabit Ethernet 10/100/1000TX	20G + 4G (Combo)	4(JetNet 5428G/5428G-DC) 2(JetNet 5428G-2G-2FX)
Fiber Ports	4 (Giga SFP)	4G combo (JetNet 5428G/5428G-DC) 2G combo+2x 100M/Gigabit SFP (JetNet 5428G-2G-2FX)
Console	•	•
Power Input	AC90-264V (JetNet 6524G) DC18~36V x 2 (JetNet 6524G-DC24) DC36~60V x 2 (JetNet 6524G-DC48)	AC90-264V (JetNet 5428G/ 5428G-2G-2FX) DC12~48V x 2 (JetNet 5428G-DC)
Video Transmission Quality		
QoS Prioritized Video Transmission	•	•
IGMP Optimized Multicast Transmission	•	•
IEEE802.1Q VLAN Traffic Isolation	•	•
Network Reliability		
RSTP/MSTP	•	•
MSR Redundant Surveillance Network	MSR member	•
Attached IP Camera loss alarm	•	•
Other Protocols		
Web Config/JetView/JetView Pro	•	•
Jumbo Frame	•	•
DHCP Server / Option 82	•	•
Port Trunking/LACP	•	•
HTTPS, SSH, Port/IP Security, 802.1x	•	•
Private VLAN, QinQ		•
SNMP v1/v2c/v3 RMON	•	•
SMTP/Syslog	•	•
Layer 3 Unicast, Multicast Routing	•	
IEEE802.1 AB LLDP	•	•
ACL	L3	L2+
Environmental Protection		
Operating Temperature	-10~55°C (JetNet 6524G) -40~65°C, Fan-less (JetNet 6524G-DC)	-25~70°C
Installation		
Rack-mount	•	•
Din-Rail Mount		
Certifications		
Regulation: CE/FCC/UL	CE/FCC	•
RoHS/WEEE	•	•

JETNET



JetNet 6059G
(New)



JetNet 5018G



JetNet 5012G
(New)



JetNet 5010G

Gigabit Managed Ethernet Switch

Gigabit Managed Ethernet Switch

IP Camera Compatibility

Motion JPEG, MPEG-4, H.264	•	•	•	•
Megapixel, HDTV	•	•	•	•

Interface

Fast Ethernet 10/100TX		16	8	7
Gigabit Ethernet 10/100/1000TX	4G+5G (Combo)	2G (Combo)	2G (Combo)	3G (Combo)
Fiber Ports	5 (Giga & 100FX SFP)	2 (Giga SFP)	4 (Giga SFP)	3 (Giga & 100FX SFP)
Console	•	•	•	•
Power Input	DC24V x 2 (10.5~60V)	DC24V x 2 (12~48V)	DC24V x 2 (12~48V)	DC24V x 2 (12~48V)
Relay Output	•	•	•	•

Video Transmission Quality

QoS Prioritized Video Transmission	•	•	•	•
IGMP Optimized Multicast Transmission	•	•	•	•
IEEE802.1Q VLAN Traffic Isolation	•	•	•	•

Network Reliability

RSTP/MSTP	•	•	•	•
MSR Redundant Surveillance Network	•	•	•	•
Attached IP Camera loss alarm	•	•	•	•

Other Protocols

Web Config/JetView/JetView Pro	•	•	•	•
Jumbo Frame	•	•	•	•
DHCP Server / Option 82	•	•	•	•
Port Trunking/LACP	•	•	•	•
HTTPS, SSH, Port/IP Security, 802.1x	•	•	•	•
Private VLAN, QinQ	•	•	•	•
SNMP v1/v2c/v3 RMON	•	•	•	•
SMTP/Syslog	•	•	•	•
IEEE802.1 AB LLDP	•	•	•	•
Layer2+ ACL	•	•	•	•
SFP DDM	•	•	•	•

Environmental Protection

Case Protection	IP31	IP31	IP31	IP31
Operating Temperature	-25~70°C (JetNet 6059G) -40~75°C (JetNet 6059G-w)	-25~70°C (JetNet 5018G) -40~70°C (JetNet 5018G-w)	-25~70°C (JetNet 5012G) -40~70°C (JetNet 5012G-w)	-25~70°C (JetNet 5010G) -40~70°C (JetNet 5010G-w)

Installation

Rack-mount	•	•	•	•
Din-Rail Mount	•	•	•	•

Certifications

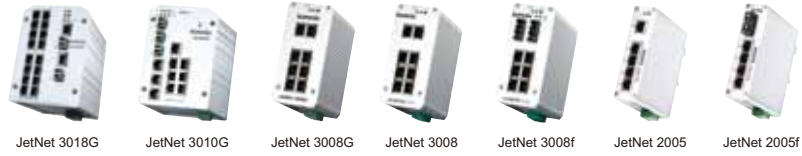
Regulation: CE/FCC/UL	CE/FCC/UL	•	•	•
RoHS/WEEE	•	•	•	•
NEMA TS2	Compatible			

◀◀◀ IP Surveillance Ethernet Switch



	JetNet 4518-w	JetNet 4510	JetNet 4508 V2/4508f V2 (New)	JetNet 4010	JetNet 4006/4006f
	Managed Ethernet Switch		Managed Ethernet Switch	Managed Ethernet Switch	Managed Ethernet Switch
IP Camera Compatibility					
Motion JPEG, MPEG-4, H.264	•	•	•	•	•
Megapixel, HDTV	•	•	•	•	•
Interface					
Fast Ethernet 10/100TX	16 + 2 Combo	7 + 3 Combo	8 (JetNet 4508 V2) 6 (JetNet 4508f V2)	7 + 3 Combo	6 (JetNet 4006) 4 (JetNet 4006f)
Gigabit Ethernet 10/100/1000TX					
Fiber Ports	2 (100FX SFP)	3 (100FX SFP)	2 (100FX) (JetNet 4508f V2)	3 (100FX SFP)	2 (100FX) (JetNet 4006f)
Console	•	•	•	•	•
Power Input	DC24V x 2 (12~48V)	DC 24V x 2 (12~48V) / (10~60V) (JetNet 4510-NEMA)	DC24V x 2 (10~60V)	DC24V x 2 (12~48V)	DC24V x 2 (12~48V)
Relay Output	•	•	•	•	•
Video Transmission Quality					
QoS Prioritized Video Transmission	•	•	•	•	•
IGMP Optimized Multicast Transmission	•	•	•	•	•
IEEE802.1Q VLAN Traffic Isolation	•	•	•	•	Port-based
Network Reliability					
RSTP/MSTP	•	•	•	RSTP	RSTP
MSR Redundant Surveillance Network	•	•	•	•	•
Attached IP Camera loss alarm	•	•	•	•	•
Other Protocols					
Web Config/JetView/JetView Pro	•	•	•	Web / JetView	•
Jumbo Frame	•				
DHCP Server / Option 82	•	•	•	•	•
Port Trunking/LACP	•	•	•	•	•
HTTPS, SSH, Port/IP Security, 802.1x	•	•	•	•	•
Private VLAN, QinQ	•	•	•		
SNMP v1/v2c/v3 RMON	•	•	•		•
SMTP/Syslog	•	•	•	•	•
IEEE802.1 AB LLDP	•	•	•	•	
Layer2+ ACL	•				•
SFP DDM	•				
Environmental Protection					
Case Protection	IP31	IP31	IP31	IP31	IP31
Operating Temperature	-40~75°C	-25~70°C (JetNet 4510) -40~70°C (JetNet 4510-w) -40~75°C (JetNet 4510-NEMA)	-20~70°C (JetNet 4508 V2) -10~70°C (JetNet 4508f V2) -40~75°C (JetNet 4508 V2-w) -40~75°C (JetNet 4508f V2-w)	-25~70°C (JetNet 4010) -40~70°C (JetNet 4010-w)	-25~70°C (JetNet 4006) -10~60°C (JetNet 4006f) -40~60°C (JetNet 4006f-w)
Installation					
Rack-mount					
Din-Rail Mount	•	•	•	•	•
Certifications					
Regulation: CE/FCC/UL	CE/FCC	•	CE/FCC	•	CE/FCC
RoHS/WEEE	•	•	•	•	•
NEMA TS2		Compatible			

JETNET



JetNet 3018G JetNet 3010G JetNet 3008G JetNet 3008 JetNet 3008f JetNet 2005 JetNet 2005f

	Gigabit Ethernet Switch			Entry-Level Ethernet Switch		Compact Ethernet Switch	
IP Camera Compatibility							
Motion JPEG, MPEG-4, H.264	•	•	•	•	•	•	•
Megapixel, HDTV	•	•	•	•	•	•	•
Interface							
Fast Ethernet 10/100TX	16	7		8	6	5	4
Gigabit Ethernet 10/100/1000TX	2G (Combo)	Port 8,9 - 10/100/1000M Port 10 - 1000M	8G				
Fiber Ports	2 (Giga SFP)	3 (Giga SFP)			2 (100FX)		1 (100FX)
Console							
Power Input	DC24V x 2 (12~48V)	DC24V x 2 (12~48V)	DC24V x 2 (12~48V)	DC24V x 2 (10~48V)	DC24V x 2 (10~48V)	DC18~32V	DC18~32V
Relay output			•	•	•	•	•
Video Transmission Quality							
QoS Prioritized Video Transmission	•	•	•	•	•		
IGMP Optimized Multicast Transmission							
IEEE802.1Q VLAN Traffic Isolation							
Network Reliability							
MSTP/RSTP							
MSR Redundant Surveillance Network							
Attached IP Camera loss alarm							
Other Protocols							
Web Config/JetView/JetView Pro							
Jumbo Frame	•		•				
DHCP							
Port Trunking							
HTTPS, SSH, Port/IP Security, 802.1x							
Private VLAN, QinQ							
SNMP v1/v2c/v3 RMON							
SMTP/Syslog							
IEEE802.1 AB LLDP							
Layer2+ ACL							
Environmental Protection							
Case Protection	IP31	IP31	IP31	IP31	IP31	IP31	IP31
Operating Temperature	-25~70°C	-20~70°C (JetNet 3010G) -40~70°C (JetNet 3010G-w)	-10~70°C	-34~70°C	-25~70°C	-25~75°C (JetNet 2005) -40~75°C (JetNet 2005-w)	-10~60°C (JetNet 2005f) -40~75°C (JetNet 2005f-w)
Installation							
Rack-mount							
Din-Rail Mount	•	•	•	•	•	•	•
Certifications							
Regulation: CE/FCC/UL	•	•	CE/FCC	CE/FCC	CE/FCC	•	•
RoHS/WEEE	•	•	•	•	•	•	•

■ JetNet 6524G / 6524G-DC24 / 6524G-DC48

Back-bone 24 Full Gigabit Stackable Layer 3 Managed Switch

- 24 Gigabit Ethernet ports with 4 Gigabit combo SFP
- Two 10G backplane for stacking
- Easily managed 8 switches per stack, 192 ports, 384G bandwidth through one IP address
- Flexible distance installation by SFP transceivers
- VLAN traffic isolation and inter-VLAN routing, 512 VLAN groups
- Static and dynamic video & data stream routing through different IP subnets
- RIP, OSPF for IP routing
- DVMRP, PIM-DM, PIM-SM for multicast routing
- IGMP for one-to-many video transmission management
- MSTP/RSTP redundant surveillance network and MSR member mode (JetNet 6524G-DC)
- QoS video precedence transmission
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Advanced network management features with SNMP, RMON
- Advanced Security with Access Control List, 802.1x, Port Security
- AC power input 90-264V (JetNet 6524G)
- Redundant 24V/48VDC power inputs (JetNet 6524G-DC)
- Fan-less design with -40~65°C wide operating temperature (JetNet 6524G-DC)



CE FC RoHS



■ JetNet 5428G / 5428G-DC / 5428G-2G-2FX

Control Room 24+4G Managed Redundant Ethernet Switch

- 24-port 10/100-TX and 4-port Gigabit SFP/RJ45 combo (JetNet 5428G / 5428G-DC)
- 24-port 10/100-TX and 2-port Gigabit SFP/RJ45 combo and 2-port Gigabit / 100FX SFP socket (JetNet 5428G-2G-2FX)
- 4 Gigabits uplink for hundreds of megapixel video streams
- Flexible distance installation by SFP transceivers
- Supports Jumbo Frame up to 9,216 bytes
- MSR redundant surveillance network with 12 Fast Ethernet plus 2 Gigabit / 100FX Rings
- Supports MSTP, RSTP for network redundancy
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups, Private VLAN, QinQ
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Advanced network management features support SNMP, RMON
- AC power input 90~264V (JetNet 5428G / JetNet 5428G-2G-2FX)
- Redundant 24V/48VDC power inputs (JetNet 5428G-DC)
- Operating temperature -25~70°C



CE FC RoHS



■ JetNet 6059G / 6059G-w

High Speed 9-Port Full Gigabit Managed Redundant Ethernet Switch

- 4 Gigabit copper Ethernet ports and 5 Gigabit copper/SFP combo ports
- 5 Gigabit Fiber for extending Giga Fiber uplink or Giga Fiber Ring connection
- SFP with DDM for long distance fiber quality monitoring
- Independent SFP Link speed indication
- 32G switching backplane for High Quality Video Stream Data
- Isolated Console interface for Negative power system
- Korenix patented MSR for critical video stream redundancy, failure recovery time <20ms
- Exclusive Multi-Ring Design, supports up to 4 Gigabit Rings to form non-stop video network redundancy
- Supports MSTP, RSTP for network redundancy
- QoS for prioritized video transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups, Private VLAN, QinQ
- LACP port trunking for bandwidth aggregation
- LLDP and optional JetView Pro i²NMS, auto-topology visualization management software for efficient surveillance network
- Advanced network management features support SNMP v1/v2/v3c, RMON
- NEMA TS2 environment compatible
- Redundant 24V (10.5~60V) DC power inputs for system reliability
- AC 1.5KV Hi-pot isolation for port and power
- -25~70°C (JetNet 6059G), -40~75°C (JetNet 6059G-w) operating temperature



CE FC  RoHS



■ JetNet 5018G / 5018G-w

High Power 16+2G Managed Redundant Ethernet Switch

- 16 10/100-TX ports and 2 Gigabit SFP/RJ45 combo ports
- 2 Gigabit maximum uplink for hundreds of megapixel video streams
- SFP with DDM for long distance fiber quality monitoring
- Non-Blocking Switching for high-quality video transmission
- Supports Jumbo Frame up to 9,216 bytes
- MSR redundant surveillance network, failure recovery time up <20ms
- Exclusive Multi-Ring Design, support up to 8 Fast Ethernet Rapid Super Rings and 1 Gigabit Ring to form non-stopping video network redundancy
- Supports MSTP, RSTP for network redundancy
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups, Private VLAN, QinQ
- Advanced security by 802.1x and Access Control List
- Advanced network management features support SNMP v1/v2/v3c, RMON
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Redundant power inputs 24V (12~48V) DC
- IP31 rugged aluminum case
- -25~70°C (JetNet 5018G), -40~70°C (JetNet 5018G-w) operating temperature



CE FC   RoHS



■ JetNet 5012G / 5012G-w

High Power 8+4G Managed Redundant Ethernet Switch

- 8 10/100-TX ports, 2 Gigabit SFP and 2 Gigabit RJ-45/SFP combo ports
- 2 Gigabit maximum uplink for hundreds of megapixel video streams
- SFP with DDM for long distance fiber quality monitoring
- Non-Blocking Switching for high-quality video transmission
- Supports Jumbo Frame up to 9,216 bytes
- MSR redundant surveillance network, failure recovery time up <20ms
- Exclusive Multi-Ring Design, support up to 4 Fast Ethernet Rapid Super Rings and 2 Gigabit Rings to form non-stopping video network redundancy
- Supports MSTP, RSTP for network redundancy
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups , Private VLAN, QinQ
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Advanced security by 802.1x and Access Control List
- Advanced network management features support SNMP v1/v2/v3c, RMON
- Redundant power inputs 24V (12~48V) DC
- IP31 rugged aluminum case
- -25~70°C (JetNet 5012G), -40~70°C (JetNet 5012G-w) operating temperature



■ JetNet 5010G / 5010G-w

Intelligent 7+3G Managed Redundant Ethernet Switch

- 7 10/100-TX and 3 Gigabit SFP/RJ45 combo ports
- 3 Gigabits maximum uplink bandwidth for hundreds of megapixel video streams
- SFP with DDM for long distance fiber quality monitoring
- VLAN traffic isolation, up to 256 VLAN groups , Private VLAN, QinQ
- MSR redundant surveillance network, failure recovery time < 5ms
- Supports MSTP, RSTP for network redundancy
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Advanced network management features support SNMP, RMON
- Attached IP camera loss alarm through digital output, e-mail, and SNMP trap
- Redundant power inputs 24V (12~48V) DC
- IP31 rugged aluminum case
- -25~70°C (JetNet 5010G) and -40~70°C (JetNet 5010G-w) operating temperature



JetNet 4518-w

Intelligent 18-Port Managed Redundant Ethernet Switch

- 16-port 10/100 TX Ethernet and 2-port 10/100M-TX / 100M SFP combo
- SFP with DDM for long distance fiber quality monitoring
- MSR redundant surveillance network, failure recovery time < 20ms
- Supports MSTP, RSTP for network redundancy
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups , Private VLAN, QinQ
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Advanced network management features support SNMP v1/v2/v3c, RMON
- Advanced security by 802.1x and Access Control List
- Attached IP camera loss alarm through digital output, e-mail, and SNMP trap
- Redundant power inputs 24V (12~48V)DC
- IP31 rugged aluminum case
- Operating temperature -40~75°C



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JetNet 4510 / 4510-w

Intelligent 10-Port Managed Ethernet Switch

- 7-port 10/100 TX Ethernet and 3-port 10/100M-TX / 100M SFP combo
- SFP with DDM for long distance fiber quality monitoring
- MSR redundant surveillance network, failure recovery time < 5ms
- Supports MSTP, RSTP for network redundancy
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups , Private VLAN, QinQ
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Advanced network management features support SNMP v1/v2/v3c, RMON
- Attached IP camera loss alarm through digital output, e-mail, and SNMP trap
- Redundant power inputs 24V ((12~48VDC) / (10~60VDC) (JetNet 4510-NEMA))
- IP31 rugged aluminum case, -25~70°C (JetNet 4510) and -40~70°C (JetNet 4510-w) operating temperature
- NEMA TS2 environment compatible, -40~75°C operating temperature (JetNet 4510-NEMA)



CE FC ~~RoHS~~ 



■ JetNet 4508 V2 / 4508f V2

Intelligent 8-Port Managed Fast Ethernet (Fiber) Switch

- 6-port 10/100 TX Ethernet and 2 uplink 10/100-TX ports (JetNet 4508 V2)
- 6-port 10/100 TX Ethernet and 2 uplink 10/100-FX ports (JetNet 4508f V2)
- Supports Multi-mode 2KM, Single-mode 30KM (JetNet 4508f V2)
- MSR redundant surveillance network, failure recovery time < 20ms
- Supports MSTP, RSTP for network redundancy
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups , Private VLAN, QinQ
- LLDP and optional i²NMS JetView Pro, auto-topology visualization management software for efficient surveillance network
- Advanced network management via SNMP, Web, Telnet In-Band, Serial Out-Band
- Attached IP camera loss alarm through digital output, e-mail
- Embedded Hardware Watchdog timer for system auto rescue
- Redundant power inputs 24V (10~60V)DC
- IP31 rugged aluminum case
- -20~70°C (JetNet 4508 V2), -10~70°C (JetNet 4508f V2) operating temperature
- -40~75°C (JetNet 4508-w V2 / 4508f-w V2) operating temperature



JetNet 4508 JetNet 4508f

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■ JetNet 4010 / 4010-w

Intelligent 10-Port Web-Managed Redundant Fast Ethernet Switch

- 7-port 10/100 TX Ethernet and 3-port 10/100-TX/100-FX SFP combo
- Flexible fiber transmission by SFP transceivers
- MSR redundant surveillance network, failure recovery time < 5ms
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- VLAN traffic isolation, up to 256 VLAN groups for scalable network configuration
- Attached IP camera loss alarm through digital output, e-mail
- Redundant power inputs 24V (12~48V)DC
- IP31 rugged aluminum case
- -25~70°C (JetNet 4010), -40~70°C (JetNet 4010-w) operating temperature



CE FC ~~RoHS~~ RoHS



JetNet 4006 / 4006f

Intelligent 6-Port Managed Fast Ethernet (Fiber) Ring Switch

- 4-port 10/100 TX Ethernet and 2 uplink 10/100-TX ports (JetNet 4006)
- 4-port 10/100 TX Ethernet and 2 uplink 10/100-FX ports (JetNet 4006f)
- Supports Multi-mode 2KM, Single-mode 30KM (JetNet 4006f)
- MSR redundant surveillance network, failure recovery time < 5ms
- DHCP Client/Server/ DHCP Relay (Option 82) for automatic IP configuration
- QoS video precedence transmission
- Optimized IGMP Query, snooping for one-to-many video transmission
- Port-based VLAN traffic isolation
- LLDP and optional i²NMS JetViewPro, auto-topology visualization management software for efficient surveillance network
- Attached IP camera loss alarm through digital output, e-mail
- Redundant power inputs 24V (12~48V) DC
- IP31 rugged aluminum case
- -25~70°C (JetNet 4006), -10~60°C (JetNet 4006f) operating temperature



CE FC RoHS



JetNet 3018G

On-site 16+2G Ethernet Switch

- 16 10/100-TX ports and 2 Gigabit SFP/RJ45 combo ports
- Flexible fiber transmission by SFP transceivers
- Wire-speed, non-blocking switching performance
- 2 Relay Outputs for Gigabit port Link Failure Detection
- Supports Jumbo Frame up to 9,216 bytes for secured large file transmission
- QoS video precedence transmission
- Redundant power inputs 24V (12~48V) DC
- IP31 rugged aluminum case
- Operating temperature -25~70°C



CE FC RoHS



JetNet 3010G / 3010G-w

On-site 7+3G Ethernet Switch

- 7 10/100-TX ports and 3 Gigabit SFP/RJ45 combo ports
- Flexible fiber transmission by SFP transceivers
- Wire-speed, non-blocking switching performance
- Auto Gigabit RJ45/SFP module detection
- QoS video precedence transmission
- Redundant power inputs 24V (12~48V) DC
- IP31 rugged aluminum case
- -20~70°C (JetNet 3010G), -40~70°C (JetNet 3010G-w) operating temperature



CE FC RoHS



■ JetNet 3008G

On-site 8-port Full Gigabit Ethernet Switch

- 8 Gigabit Ethernet Ports with Auto MDI/MDI-X
- Supports Jumbo Frame up to 9,216 bytes for secured large file transmission
- QoS video precedence transmission
- Redundant power inputs 24V (12~48V) DC
- IP camera loss alarm
- IP31 rugged aluminum case
- Operating temperature -10~70°C



■ JetNet 3008 / 3008f

On-site 8-Port Fast Ethernet (Fiber) Switch

- 8-port 10/100 TX Ethernet (JetNet 3008)
- 6-port 10/100 TX and 2-port 100 FX (JetNet 3008f)
- Supports Multi-mode 2KM, Single-mode 30KM (JetNet 3008f)
- Wire-speed, non-blocking switching performance
- QoS video precedence transmission
- IP camera loss alarm
- Redundant power inputs 24V (10~48V) DC
- IP31 rugged aluminum case
- -34~70°C (JetNet 3008), -25~70°C (JetNet 3008f) operating temperature



JetNet 3008 JetNet 3008f



■ JetNet 2005 / 2005f

5-Port Compact Fast Ethernet (Fiber) Switch

- 5-port 10/100 TX Ethernet (JetNet 2005)
- 4-port 10/100 TX and 1-port 100 FX (JetNet 2005f)
- Supports Multi-mode 2KM, Single-mode 30KM (JetNet 2005f)
- Wire-speed, non-blocking switch fabric
- IP camera loss alarm
- Redundant power inputs DC18-32V
- IP31 rugged aluminum case
- -25~75°C (JetNet 2005), -10~60°C (JetNet 2005f) operating temperature
- -40~75°C operating temperature (JetNet 2005-w / 2005f-w)



JetNet 2005 JetNet 2005f



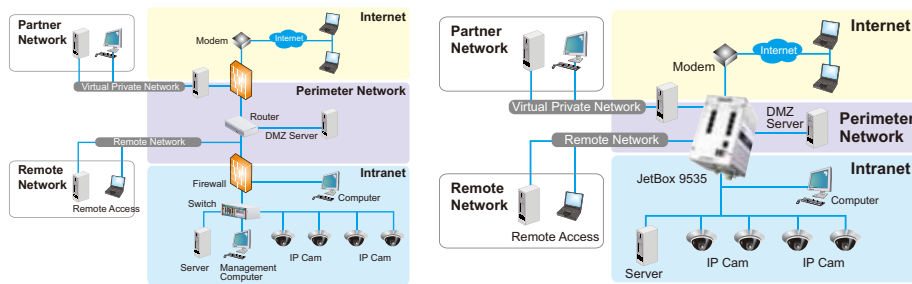
JET/BOX

All-in-one Box for Surveillance and Security

JetBox series, the security and surveillance networking computer, combine patented PoE design, managed switch, router, wireless communication, serial interface and I/O control functions to offer the most advanced surveillance solutions for versatile security markets.

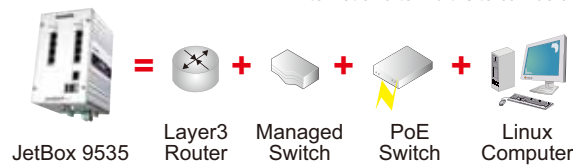
Programmable PoE Routing Computer: Simplify IP surveillance network architecture

The JetBox 9500 series integrate L3 routing, PoE managed switching, Linux computing functions together and enhance network management efficiency via OSPF, VPN, 802.11Q VLAN, QoS...etc. These advanced routing capabilities are fully compatible with Cisco® switches and routers. JetBox makes surveillance across Internet and to multi-site easy to implement. The JetBox is feature-on-demand, easy-to-use and easy-to-maintain.



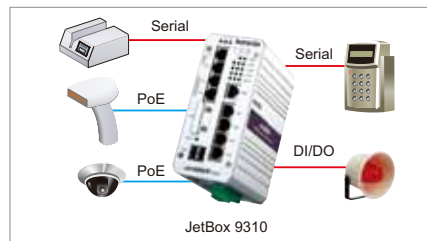
A typical IP surveillance network is complex without JetBox 9500 series.

With JetBox 9500 series, surveillance across the Internet and to multi-site can be achieved easily.



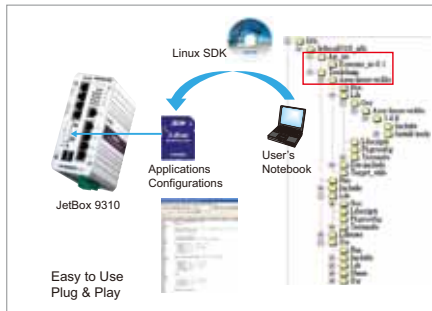
Advanced Security & Surveillance

JetBox 9310/9532/9562's versatile interfaces focus on the advanced surveillance and security integrated solution, such as PoE powering IP cameras, and serial interfaces connecting the bar code systems, alarm systems, access control systems, etc.



*Cisco® is a registered trademark of Cisco Systems, Inc.

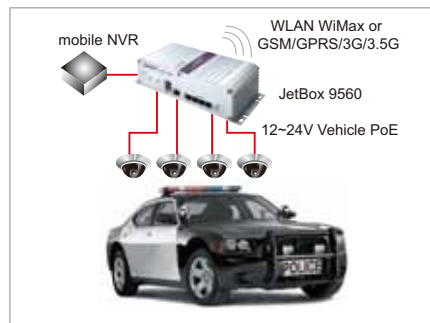
Linux Auto-run, SDK, JamVM



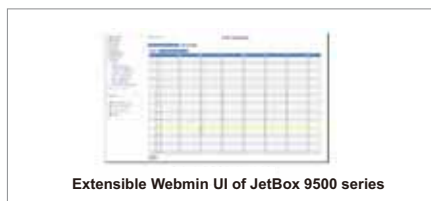
The Linux auto-run file stored in SD or CF cards allows customers to run specific configuration or run specific applications in the JetBox automatically. Linux SDK is provided for advanced Linux users to develop their own applications. JamVM (JetBox 9500 series) makes it the ideal technology for network computing with the benefit of versatility, efficiency, platform portability, and security.

Vehicle Surveillance

JetBox 9560/9562/9563G feature Korenix patented 12-24V PoE technology specifically for surveillance on moving vehicle. The vehicle PoE upgrades traditional CCTV to megapixel IP cameras for more advanced security applications. With optional WLAN or WiMax extensions, the recorded video can be delivered to central office through wireless delivery. Additionally, using the reserved miniPCle and SIM slots, it becomes possible to extend the network communication via GSM/GPRS/3G/3.5G/HSUPA while enhancing the mobility of the computers in public transportations, trucks or railways.



User-Friendly Interface



Korenix provides Web UI for remote management. JetBox 9500 adopts Webmin, a modular-design web-based configuration tool to allow user adding new functionality easily. Furthermore, Cisco-like commands are available in JetBox 9500 series for engineers to set up more easily.

Industrial Rugged Design

IP31 class protection housing makes JetBox series capable of withstanding dirt, dust, and humidity. The wide temperature version (-40~80°C) is provided to operate under extreme weather conditions.

Solid hardware and mechanical design enable the JetBox series to sustain 5 gravities of vibration, 50 gravities of shock in the most demanding applications.

JETBOX



JetBox 9300



JetBox 9310



JetBox 9530



JetBox 9532



JetBox 9535

(PoE) Networking Computer

PoE Routing Computer

IP camera connection					
10/100M LAN with IEEE802.3af PoE (ports/connector) PoE scheduling supported		4 / RJ45 PoE pin (4,5,7,8)	4 / RJ45 PoE pin (4,5,7,8)	4 / RJ45 PoE pin (4,5,7,8)	8 / RJ45 PoE pin (4,5,7,8)
10/100M LAN		4 / RJ45			
Uplink 10/100M WAN		1 / RJ45	1 / RJ45	1 / RJ45	1 / RJ45
Uplink Throughput (bps) (All video compression formats transmission supported: MPEG-4, MJPEG, H.264)	Switching 100M Routing 2M	Switching 100M Routing 2M	Switching 100M L3 Routing 80M	Switching 100M Routing 80M	Switching 100M L3 Routing 80M
LAN Ethernet switch					
IEEE802.1Q VLAN	•	•	•	•	•
QoS	•	•	•	•	•
The Internet & router					
IP addressing	IPv4	IPv4	IPv4, IPv6	IPv4, IPv6	IPv4, IPv6
IP address filtering	Firewall, NAT, DMZ	Firewall, NAT, DMZ	Firewall, NAT, DMZ	Firewall, NAT, DMZ	Firewall, NAT, DMZ
Wireless networking connection					
IEEE802.11 WLAN client	Optional (USB dongle)	Optional (USB dongle)	Optional (USB dongle)	Optional (USB dongle)	Optional (USB dongle)
Mobile network client (GSM/GPRS/EDGE/3G/3.5G/HSUPA)			Optional (USB)	Optional (USB)	Optional (USB dongle)
Network security					
Username/password authentication	•	•	•	•	•
Security tunnel--VPN	VPN pass through	VPN pass through	•	•	•
Front-end management system					
Power input	12~48V DC	12~48V DC (48V for PoE)	12~48V DC (48V for PoE)	12~48V DC (48V for PoE)	12~48V DC (48V for PoE)
Power consumption	7.2W	68.8W (incl. PoE) / 7.2W	90W (incl. PoE) / 25W	90W (incl. PoE) / 25W	160W (incl. PoE) / 35W
Built-in functionality: web-based UI	•	•	•	•	•
Open Linux platform	Linux auto-run function	Linux auto-run function	•	•	•
JamVM			•	•	•
Customer-specific software	SDK provided	SDK provided	SDK provided	SDK provided	SDK provided
MSR			•	•	•
Other interfaces			4*RS232/422/485 (DB37)		
Industrial rugged design					
Anti-vibration		5g		5g	
Anti-shock		50g		50g	
Operating temp.		-25~70°C (wide temp. -40~80°C)		-25~70°C	
Certification					
CE/FCC	•	•	•	•	•
UL	•	•			

◀◀◀ Security & Surveillance Networking Computer



Vehicle 12~24V PoE Routing Computer
GbE PoE Routing Computer

	JetBox 9560	JetBox 9562	JetBox 9533G	JetBox 9563G
IP camera connection				
10/100M LAN with IEEE802.3af PoE (ports/connector) PoE scheduling supported	4 / RJ45 PoE pin (4,5,7,8)	4 / RJ45 PoE pin (4,5,7,8)	4 / RJ45 PoE pin (4,5,7,8)	4 / RJ45 PoE pin (4,5,7,8)
1000M LAN			4 / RJ45	4 / RJ45
Uplink 10/100M WAN	1 / RJ45	1 / RJ45	1 / RJ45	1 / RJ45
Uplink Throughput (bps) (All video compression formats transmission supported: MPEG-4, MJPEG, H.264)	Switching 100M L3 Routing 80M	Switching 100M L3 Routing 80M		Switching 100/1000M L3 Routing 80M
LAN Ethernet switch				
IEEE802.1Q VLAN	•	•	•	•
QoS	•	•	•	•
The Internet & router				
IP addressing	IPv4, IPv6	IPv4, IPv6	IPv4, IPv6	IPv4, IPv6
IP address filtering	Firewall, NAT, DMZ	Firewall, NAT, DMZ	Firewall, NAT, DMZ	Firewall, NAT, DMZ
Wireless networking connection				
IEEE802.11 WLAN client	Optional (via module installed)	Optional (via module installed)	Optional (USB dongle)	Optional (via module installed)
Mobile network client (GSM/GPRS/EDGE/3G/3.5G/HSUPA)	Optional (via module installed)	Optional (via module installed)	Optional (USB dongle)	Optional (via module installed)
Network security				
Username/password authentication	•	•	•	•
Security tunnel--VPN	•	•	•	•
Front-end management system				
Power input	12~24V DC	12~24V DC	12~48V DC (48V for PoE)	12~24V DC
Power consumption	100W (incl. PoE) / 25W	100W (incl. PoE) / 25W	90W (incl. PoE) / 25W	100W (incl. PoE) / 25W
Built-in functionality: web-based UI	•	•	•	•
Open Linux platform	•	•	•	•
JamVM	•	•	•	•
Customer-specific software	SDK provided	SDK provided	SDK provided	SDK provided
Other interfaces	4* RS232/422/485 (DB37)			
Industrial rugged design				
Anti-vibration	5g		5g	
Anti-shock	50g		50g	
Operating temp.	-25~70°C		-25~70°C	
Certification				
CE/FCC	•	•	•	•



JetWave 2610



JetWave 2620



JetWave 2640



JetWave 2450

	IEEE802.11a	Dual IEEE802.11a	IEEE802.11a and 802.11b/g	IEEE802.11n and 802.11b/g
IP Camera Compatibility				
Motion JPEG, MPEG-4, H.264	•	•	•	•
Megapixel, HDTV	•	•	•	•
Wireless Transmission				
Wireless Surveillance	802.11a	802.11a *2	802.11a + 802.11b/g	802.11n (802.11b/g compliant)
RF Power		5.8GHz Band: 24dBm/FCC; 30dB/CE 2.4GHz Band: 23dBm/FCC; 20dB/CE		27.5dBm/FCC 10.5dBm/CE
Antenna/External Socket	23dBi * 1	23dBi * 1 N-Type 5.8GHz x 1	23dBi * 1 N-Type 2.4GHz x 1	8dBi x 1 or N-Type x 1
Wireless Mode	Base Station, CPE, P2P,P2MP	Base Station, CPE, Relay, P2P,P2MP	Base Station, CPE, P2P,P2MP	Base Station, CPE, P2P,P2MP
Maximum Transmission Distance	40KM	40KM	40KM	5KM
Transmission Protocol				
CSMA	•	•	•	•
Intel TDMA	•	•	•	
Super A/G	•	•	•	
Link Aggregation		•		
Prioritized Video Transmission by QoS (WMM)	•	•	•	•
Link Quality Test Tool	•	•	•	•
Spanning Tree Protocol	•	•	•	•
Other				DHCP Server, Router Mode
Transmission Security				
Powerful Data/Stream Security	WEP,WPA,WPA2	WEP,WPA,WPA2	WEP,WPA,WPA2	WEP,WPA,WPA2
Secure Access Filter	802.1x, MAC Filter	802.1x, MAC Filter	802.1x, MAC Filter	802.1x, MAC Filter
Secure Management Interface	HTTPS, SSH	HTTPS, SSH	HTTPS, SSH	HTTPS, SSH
Environmental Protection				
Ingress Protection	IP67	IP67	IP67	IP55
Power Input through network (PoE)	802.3af (48VDC)	802.3af (48VDC)	802.3af (48VDC)	12VDC
Operating Temperature	-30 ~ 70°C	-30 ~ 70°C	-30 ~ 70°C	-20 ~ 70°C
Certification				
CE/FCC	•	•	•	•
RoHS/WEEE	•	•	•	•



	Ethernet over VDSL Extender	Gigabit Media Converter	Fast Ethernet Media Converter		Mini Media Converter	Compact Media Converter
JetCon 2502						
JetCon 3401G						
JetCon 2301						
JetCon 2302						
JetCon 1301						
JetCon 1302						

IP Camera Compatibility						
Motion JPEG, MPEG-4, H.264	•	•	•	•	•	•
Megapixel, HDTV	•	•	•	•	•	•
Interface						
Fast Ethernet 10/100TX	1		1	2	1	2
Gigabit Ethernet 10/100/1000T		1				
Fiber Ports	VDSL 2 x 1 ISDN/POTS x 1	1 (Giga SFP)	1 (100FX)	2 (100FX)	1 (100FX)	1 (100FX)
(Multi Mode Fiber)			2KM (JetCon 2301-m / 2302-m)		2KM (JetCon 1301-m / 1302-m)	
(Single Mode Fiber)			30KM (JetCon 2301-s / 2302-s)		30KM (JetCon 1301-s / 1302-s)	
Power Input	DC24V x 2(12~48V) (TB & Jack)	DC24V x 2 (12~48)	DC24V x 2 (10~60V)	DC24V x 2 (10~60V)	DC24V (18~32V) (JetCon 1301/1302) DC48V (36~60V) (JetCon 1301-48V)	
Fault Relay Output		•	•	•		•
1500VAC HIPOT	•	•	•	•	•	•
Video Transmission Protocol						
Link Loss Forwarding		•	•		•	
Switch Mode with Store & Forward	•	•	•	•	•	•
Pure Converter Mode			•	2-Channel	•	
Converter Mode with Auto-change			•			
Modify Cut-through			•			
Quality of Service	•	•				
Environmental Protection						
Case Protection	IP30	IP31	IP30	IP30	IP31	IP31
Operating Temperature	-40~70°C	-25~70°C	-25~75°C (JetCon 2301) -40~75°C (JetCon 2301-w)	-25~75°C (JetCon 2302) -40~75°C (JetCon 2302-w)	-10~70°C (JetCon 1301/1301-48V) -40~80°C (JetCon 1301-w/ JetCon 1301-w(48V))	-10~70°C (JetCon 1302) -40~70°C (JetCon 1302-w)
Certifications						
Regulation: CE/FCC	•	•	•	•	•	•
RoHS/WEEE	•	•	•	•	•	•
EN 50121-4 Railway EMC			Compatible	Compatible		

- All product specifications are subject to change without further notice.
- Before applying to critical projects, please contact Korenix headquarter for up-to-date product specifications' consultancy.