D-Link®

Product Highlights

Designed for Surveillance

The switches features two modes: Standard Mode and Surveillance Mode, allowing the user to choose the interface most suitable for their needs

Surge Protection

6 kV surge protection on PoE ports shields the switch from power surges and lightening strikes to maximise network availability

Easy Management

A surveillance overview, DIP switch, ONVIF device support and video traffic optimisation simplify the process of managing a surveillance network

DSS-200G Series
Gigabit PoE Smart Surveillance Switches

Features

Physical
- High PoE budgets and support for 802.3bt 90W PoE (DSS-200G-10MPP/28MPP)
- 6 kV surge protection on all PoE ports
- Fibre uplink ports for connection to NVR or server
- Alarm Port and PoE usage indicator LED

Surveillance Network
- Fanless (DSS-200G-10MP)
- Easy deployment with automatic configuration
- Surveillance traffic optimisation
- Auto-detect ONVIF devices
- Intuitive interface for monitoring and management
- Descriptive health diagnostics
- Surveillance VLAN
- G.8032 ERPS

Management Features
- Web-based GUI
  - Standard mode
  - Surveillance mode
- Built-in SNMP MIB
- Status Dashboard
- DIP Switch
  - QoS
  - Extend up to 250 metres[1]
  - Isolate
  - PD-Alive
  - STP (Spanning Tree Protocol)

The DSS-200G Series Gigabit PoE Smart Surveillance Switches are designed to meet surveillance requirements for businesses of all sizes. With features like support for high-powered PTZ cameras, Auto Surveillance VLAN, and surge protection, these switches are perfect for IP surveillance setups. They offer a surveillance-enhanced interface, diagnostic tools, and energy-efficient technologies for flexible surveillance solutions.

DSS-200G Series offers comprehensive surveillance solutions with optimised traffic handling, user-friendly interface, PoE support, easy configuration, troubleshooting tools, and simplified deployment.

Surveillance Traffic Optimisation

The Auto Surveillance VLAN feature separates surveillance devices' traffic from the rest of the network, ensuring data security and prioritising surveillance traffic. This reduces video freezing or delays in live streams. Using a single switch for surveillance and data networks eliminates the need for dedicated hardware and lower maintenance costs.

PoE Support

All DSS-200G Series switches support PoE, enabling faster deployment of IP cameras, VoIP phones, and access points. Some models provide high-power PoE++, delivering up to 90 watts on selected ports for devices like video conferencing systems and displays.

D-LinkAssist
Next Business Day Service

All D-Link products with 5-year or Limited Lifetime warranty come with complimentary Next Business Day Service. D-Link will send out a replacement product to you on the next business day after acceptance of a product failure. On receipt of the replacement product, you simply arrange the return of the defective product to us. Any products with a 2-year/3-year warranty can also benefit from the Next Business Day advance replacement service when the optional 3-year warranty extension has been purchased.

Find out more at **eu.dlink.com/services**

Intuitive Web Interface

The intuitive web interface provides easy access to surveillance features, offering a choice between Standard and Surveillance modes during setup. The interface displays connected devices and supports D-Link and third-party IP cameras and NVRs. It includes monitoring, management, and troubleshooting tools, making surveillance network management convenient.
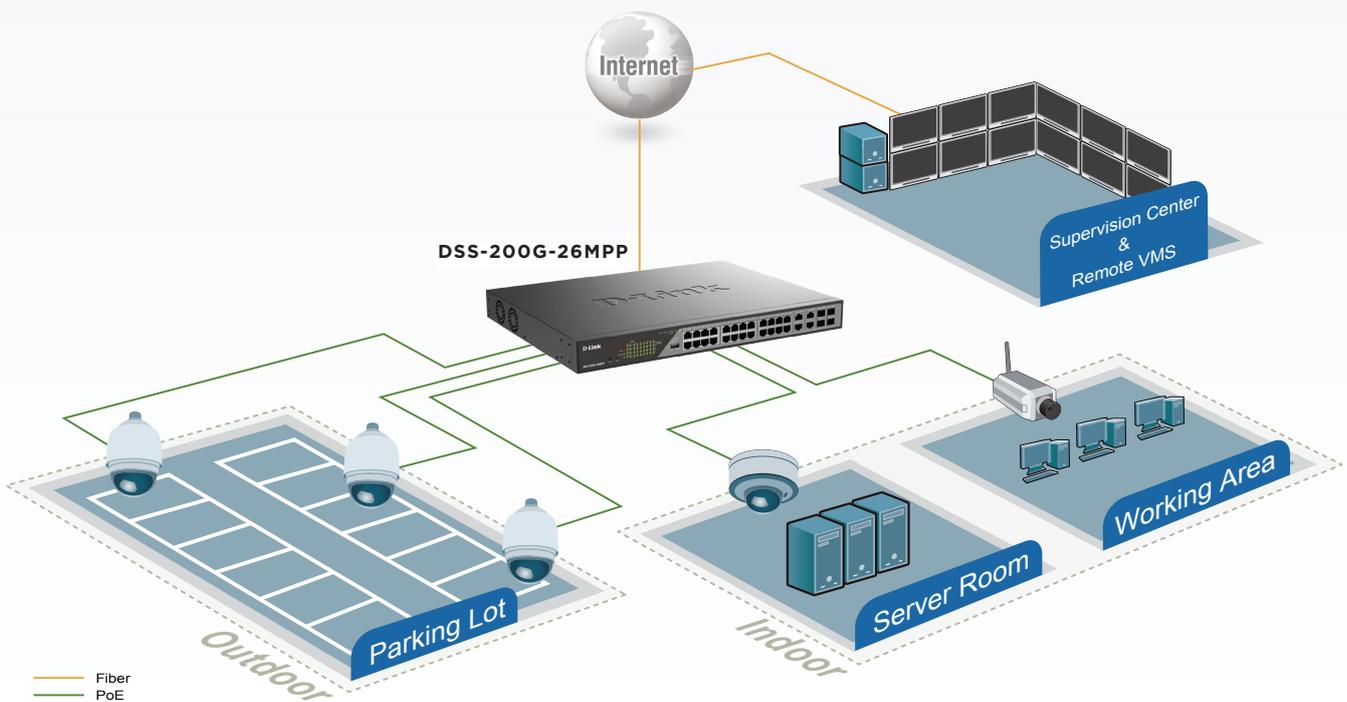
DIP Switch for Easy Configuration

The switches also feature a DIP switch for easy configuration and quick adjustment of application settings without the need to access the web configuration. It allows you to quickly enable and disable functions such as QoS, Extend (up to 250 metres connection)[1], Port Isolation, PD-Alive and STP (Spanning Tree Protocol).

Easy Troubleshooting

Troubleshooting is simplified with Loopback Detection, which identifies and resolves accidental network loops, and Cable Diagnostics, which remotely tests copper cable quality and detects errors.

Easy to Deploy

The interactive setup wizard facilitates quick deployment, allowing users to choose interface modes, IP address allocation, and set passwords. It automatically configures features like Loop Detection, DHCP Snooping, SNMP, and Surveillance VLAN. The switch detects D-Link and third-party devices for easy administration.

Internet

DSS-200G-26MPP

Supervision Center & Remote VMS

Working Area

Server Room

Parking Lot

Outdoor

Indoor

Fiber
PoE

Example Surveillance Topology

D-Link®

DSS-200G Series Gigabit PoE Smart Surveillance Switches

Surveillance Topology Web Interface Screenshot

Device Information Web Interface Screenshot

Technical Specifications

General	DSS-200G-10MP	DSS-200G-10MPP	DSS-200G-28MP	DSS-200G-28MPP
Size	• 11-inch desktop size[1] • 1U height	• 11-inch desktop size[1] • 1U height	• 19-inch rackmount size • 1U height	• 19-inch rackmount size • 1U height
Number of Ports	• 8 x 10/100/1000 Mbps PoE • 2 x SFP 1000 Mbps	• 8 x 10/100/1000 Mbps PoE • 2 x SFP 1000 Mbps	• 24 x 10/100/1000 Mbps PoE • 4 x Combo 1000 Mbps	• 24 x 10/100/1000 Mbps PoE • 4 x Combo 1000 Mbps
Port Functions	• IEEE 802.3 compliant • IEEE 802.3u compliant • IEEE 802.3ab compliant • IEEE 802.3af/802.3at compliant • IEEE 802.3bt (DSS-200G-10MPP/26MPP only) • IEEE 802.3x Flow Control supports full-duplex mode		• Supports manual/auto MDI/MDIX configuration • Auto-negotiation • Supports half/full-duplex operation • IEEE 802.3az compliant	

Performance

Switching Capacity	20 Gbps		56 Gbps	
Maximum Forwarding Rate	14.88 Mpps		41.67 Mpps	
MAC Address Table Size	8K Entries			
Packet Buffer	4.1 MBits			
CPU Memory	DDR3 128 MB			
Flash Memory	32 MB			

LEDs

Power (per device)	✓			
Link/Active/Speed (per port)	✓			
Alarm	✓			
PoE Budget Usage	25%, 50%, 75%, 100% (LED * 4)			

PoE

	DSS-200G-10MP	DSS-200G-10MPP	DSS-200G-28MP	DSS-200G-28MPP
PoE Standard	• IEEE 802.3af • IEEE 802.3at	• IEEE 802.3af • IEEE 802.3at • IEEE 802.3bt	• IEEE 802.3af • IEEE 802.3at	• IEEE 802.3af • IEEE 802.3at • IEEE 802.3bt
PoE Capable Ports	Ports 1 to 8		Ports 1 to 24	
PoE Power Budget	• 130 W • 30 W max. per PoE port	• 242 W • 90 W max. per PoE port for ports 1 to 8	• 370 W • 30 W max. per PoE port	• 518 W • 90 W max. per PoE port for ports 1 to 8 • 30 W max. per PoE port for ports 9 to 24

Power Consumption

	DSS-200G-10MP	DSS-200G-10MPP	DSS-200G-28MP	DSS-200G-28MPP
Standby Mode	10.4 W	10.7 W	15.12 W	15.19 W
Maximum Power Consumption	• 160.2 W (PoE on) • 9.63 W (PoE off)	• 267.5 W (PoE on) • 15.4 W (PoE off)	• 425.9 W (PoE on) • 25.5 W (PoE off)	• 579.3 W (PoE on) • 23.52 W (PoE off)

Physical

Power Input	• 100 to 240 V AC • 50 to 60 Hz internal power supply			
MTBF	345,045 hours	508,112 hours	331,732 hours	289,075 hours
Acoustics	0 dB(A)	50.6 dB(A)	53 dB(A)	55 dB(A)
Heat Dissipation	103.05 BTU/hr	87.00 BTU/hr	190.74 BTU/hr	209.16 BTU/hr
Weight	1.55 kg	2.05 kg	2.86 kg	4.71 kg
Dimensions	280 x 180 x 44 mm	280 x 230 x 44 mm	440 x 208 x 44 mm	440 x 330 x 44 mm
Fans	N/A (Fanless)	1	2	
Operating Temperature	-5 to 50° C (23 to 122° F)			
Storage Temperature	-40 to 70 °C (-40 to 158 °F)			
Operating Humidity	0% to 95% non-condensing			
Storage Humidity	0% to 95% non-condensing			
EMI	FCC/IC, CE, BSMI			
Safety	cUL, UL, LVD, CB, BSMI			

Working Modes (DIP Switch)

QoS (Port Priority)	Ports 1-8	Ports 1-8	Ports 1-24	Ports 1-24
Extend (Up to 250M @ 10 Mbps)	DIP: Ports 1-4 Web GUI: Ports 1-4	DIP: Ports 1-4 Web GUI: Ports 1-8	DIP: Ports 1-8 Web GUI: Ports 1-8	DIP: Ports 1-8 Web GUI: Ports 1-24
Isolate (Traffic Isolation per Port)	Ports 1-8	Ports 1-8	Ports 1-24	Ports 1-24
PD-Alive	Ports 1-8	Ports 1-8	Ports 1-24	Ports 1-24
STP	Ports 7-8	Ports 7-8	Ports 25-28	Ports 25-28

Software Features

VLAN	• Port-based VLAN
	• 802.1Q Tagged VLAN
	• Auto Surveillance VLAN
	• Voice VLAN
	• Management VLAN
		• Asymmetric VLAN
		• VLAN Group
		  • Supports 128 static VLAN groups
		  • Max. 4094 VIDs

L2 Features	• Flow Control
	  • 802.3x Flow Control
	  • HOL Blocking Prevention
	• Jumbo Frames up to 10,240 Bytes
	• IGMP Snooping
	  • IGMP v1/v2 Snooping
	  • Supports 64 Groups
	  • IGMP Snooping Querier
	• 802.3ad Link Aggregation:
	  • DSS-200G-10MP: Supports 5 groups per device and 8 ports per group
	  • DSS-200G-26MP: Supports 5 groups per device and 8 ports per group
	  • DSS-200G-10MPP: Supports 5 groups per device and 8 ports per group
	  • DSS-200G-26MPP: Supports 5 groups per device and 8 ports per group
	• Ethernet Ring Protection Switching
	  • G.8032 ERPS
	• Loopback Detection
		• Cable Diagnostics
		• LLDP
		• Port Mirroring
		  • One-to-One
		  • Many-to-One
		• Statistics
		  • Tx Ok
		  • Tx Error
		  • Rx Ok
		  • Rx Error
		• Spanning Tree Protocol
		  • 802.1D STP
		  • 802.1w RSTP
		• L2 Multicast
		  • MLD Snooping

Quality of Service (QoS)	• 802.1p Quality of Service
	• 4 queues per port
	• Queue Handling
	  • Strict
	  • Weighted Round Robin (WRR)
		• Port-based Bandwidth Control (Rate Limiting)
		  • Ingress : 16 Kbps, Egress : 16 Kbps

Security	• D-Link Safeguard • Traffic Segmentation • Broadcast/Multicast/Unknown Unicast Storm Control	• DoS Attack Prevention • SSL
Management	• Web-based GUI (Supports IPv4/IPv6)	

Green Technology	• Power Saving by
	  • Link Status
	  • LED Shut-Off
	  • Port Shut-Off
	  • System Hibernation
		• Compliant with IEEE 802.3az Energy-Efficient Ethernet
		• Time-based PoE

MIB/RFC Standards	• RFC768 UDP • RFC791 IP • RFC792 ICMP • RFC793 TCP • RFC826 ARP • RFC1213 MIB II • RFC1493 Bridage MIB • RFC1907 SNMPv2 MIB • RFC1215 MIB Traps Convention	• RFC2233 Interface Group MIB • RFC2665 Ether-like MIB • RFC4363 IEEE 802.1p MIB • ZoneDefense MIB • Private MIB • RFC951 BootP client • RFC1542 BootP/DHCP client • RFC2236 IGMP Snooping

Optional SFP Transceivers	
DEM-310GT	1000BASE-LX, single-mode, 10 km
DEM-311GT	1000BASE-SX, multi-mode, 550 m
DEM-312GT2	1000BASE-SX, multi-mode, 2 km

[1] The 250m long range mode is subject to cabling quality and/or IP camera's electrical design. Compatibility testing is recommended prior to use. UTP CAT5e rated cables (or higher) are required.
[2] 19-inch rack-mounting brackets included.

For more information: eu.dlink.com

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