# Annual Report 2012







## Financial Highlights

NT\$ in thousands			
	2012	2011	% Change
Net Sales	32,466,950	32,505,748	0
Gross Profit	9,481,716	10,333,223	-8
Operating Income	692,755	891,902	-22
Income Before Tax	1,104,048	1,177,684	-6
Net Income	778,964	970,265	-20
FX Rate (USD to NTD)	29.6239	29.4677	1
Cash & Cash Equivalents	4,030,555	5,319,966	-24
Total Assets	24,509,118	26,721,546	-8
Working Capital	6,848,008	6,262,816	9
Long Term Loans	1,070,000	-	-
Shareholder's Equity	13,656,058	14,216,657	-4
Shares Outstanding **	647,580	647,580	0
FX Rate (USD to NTD)	29.1360	30.2900	-4

**\*\*** in thousands

## >> Letter to Shareholders, Customers, Partners, and Employees



#### **Challenges and Opportunities**

The year 2012 was one of continuing transition for D-Link, marked by an aggressive expansion of our award-winning family of cloud solutions and the ongoing enhancement of our differentiating cloud services. These initiatives have reinforced D-Link's leadership of the global networking industry even as the general business environment remained challenging. The world in 2012 faced widespread social and economic uncertainty at best, deepening crisis at worst. In many developed countries, consumers and businesses alike spent conservatively, and while the emerging markets are poised to pick up some of the slack, they are still growing into their role as pillars of the world economy. Moreover, 2012 saw an intensification of price competition from China. These two factors resulted in a narrow miss of expectations, with mildly attenuated profitability in comparison with 2011. Despite these challenges, D-Link's worldwide brand equity remains strong, and the company's strategy of value-added product differentiation is fundamentally sound. By aligning around key strategic vectors such as Cloud Cameras, Portable Routers, and Wireless AC Cloud Routers, as well as Unified Wireless, Smart Switches, and One-stop Surveillance Solutions, plus 4G/ LTE Solutions, D-Link is moving strongly to secure its leading position in the global networking industry, as well as seize the opportunities presented by generational shifts such as the migration to Wireless AC and other new technologies.

#### **Financial Performance**

D-Link's global consolidated revenue totaled NT\$32.5 billion in 2012 at about the same level as in 2011. Operating income fell to NT\$692.7 million, down 22% over the previous year. Net income was NT\$779 million, compared to the previous year's NT\$970 million. Taking into account inventory provisional loss, a combined gross margin of 29.2% was seen in 2012, slightly lower than the 31.8% in 2011. Operating profit margin dropped to 2.1% from 2.7% last year. Annual earnings per share were NT\$1.23, versus the previous year's 1.32. Substandard overall operating performance in 2012 was due mainly to underperformance in non-emerging markets.

#### Market Share

According to Gartner, D-Link ranked first in the Enterprise WLAN market based on standalone access points (784.5 thousand units) in 2012, with a worldwide market share of 33%<sup>1</sup>. Total wireless devices reached approximately 21.4 million

units shipped. This is a growth of 6% over the previous year<sup>2</sup>. In the Enterprise Ethernet Switch market , according to Gartner, D-Link ranked third based on total port shipments (64.6 million ports), for a worldwide market share of 16.5%<sup>3</sup>. Additionally, broadband products achieved annual shipments of 22.6 million units, representing a 12% increase over the previous year. Based on revenue share by product category, wireless products accounted for 37% of annual turnover, followed by 29% for switches, 17% for broadband telecom, and 17% for digital home and others.

#### A Clear and Compelling Strategic Vision

In an effort to engage with powerful trends rapidly emerging in the Cloud Era, D-Link has defined a number of areas of strategic focus and laid a foundation for continued leadership of the networking industry. In the consumer market, the first of these areas is Cloud Cameras, where D-Link's highly differentiated product offerings, enhanced with the unique mydlink platform and Zero Configuration, have already made a deep impression on the fast-growing IP surveillance market. Another area is the portable or personal router, designed for the new reality of mobile connectivity in which computing habits are shifting from the traditional PC to post-PC smart devices. Indeed, portable routers will be indispensable to every consumer. Yet another area of consumer focus is Wireless AC. As the first major advance in wireless technology in a decade, it supplies the bandwidth required by growing numbers of connected devices and also enables tremendously exciting new use cases like streaming HD video. The oncoming wave of upgrades from previous generations of wireless technology afford a major opportunity to reset the battle for networking market leadership.

The SMB and enterprise markets are also undergoing transformations no less dramatic than the ones in the consumer market, and here too D-Link is concentrating efforts on several areas of critical strategic importance. The emergence and acceleration of the bring-your-own-device (BYOD) trend, due to the revolution in consumer-oriented mobile devices, is driving network infrastructure upgrades, and here D-Link's unified wireless solutions present compelling advantages including flexibility, scalability, and powerful tools for deployment and management. Meanwhile, SMBs and enterprises under increasing pressure to streamline IT operations and contain costs are turning from managed switches to smart switches, which offer many of the same benefits at greatly reduced complexity, and in this area

too D-Link possesses a number of key differentiating factors such as superior management tools and language support. Still another area of strategic focus is D-Link's integrated surveillance offering, a comprehensive chain of IP surveillance cameras, switching, storage, and software that comprises a complete, ready-to-deploy solution. These competitive advantages have primed D-Link to seize emerging business market opportunities.

#### mydlink Cloud Services

Throughout 2012, mydlink Cloud Services continued to evolve, rolling out new features and increasing functionality at an incredible pace. This multitude of enhancements was recognized with strong user base growth. It is now clear that the revolutionary lifestyle concept built around real-time monitoring, remote management, mobile access, media streaming, and file sharing is resonating with our customers. The Cloud Router, Cloud Camera, and Cloud Storage lines all gained new models, and new Cloud Access Points were also introduced, bringing the benefits of D-Link's exclusive Cloud Services to a wider market than ever. Going forward, mydlink Cloud Services represent a significant competitive advantage. As the mobile and social trends strengthen and take hold, D-Link is uniquely positioned to help customers connect to more.

#### **Innovation Today and Tomorrow**

D-Link continued its tradition of networking industry innovation by taking home several prestigious 2012 red dot Design Awards, as the DNS-320L Network Storage, DCS-6010L Fisheye Camera, DHP-W310AV Wireless Powerline Adapter, and DWR-910 Petit Router were all honored. Meanwhile, the DIR-636L Wireless N300 Gigabit Cloud Router won a 2013 Good Design Award (G-Mark), and the DIR-508L SharePort Go II was named a CES Innovations 2013 Honoree. Elsewhere, D-Link unveiled our new Zero Configuration capability, a major differentiator of our Cloud Cameras (and soon, other mydlink-enabled devices). When the IPv6 standard went live in May 2012, D-Link led the way with more than 31 CPE devices certified IPv6 ready – not to mention the first IPv6-certified IP cameras and Powerline Communications (PLC) adapters. Finally, we were also among the first to receive TR-069 certification for the CPE WAN Management Protocol, which signifies that D-Link CPE products meet operator and service provider requirements for interoperability. These developments indicate that innovation is thriving at D-Link.

#### **Global Service, Local Touch**

One of D-Link's great strengths is an unparalleled global presence. In addition to our well-established leadership in developed regions such as Europe and the United States, D-Link is expanding aggressively in emerging markets. As unfavorable economic conditions create headwinds to growth in the former, the latter have become ever more important to the company's success: emerging markets accounted for fully 65% of consolidated revenue in 2012, an increase from 62.6% in 2011. Today D-Link maintains an active presence in 67 countries worldwide. Thanks to this considerable reach, the company is widely recognized as a formidable multinational enterprise, and this reputation is invaluable in developing customer trust. With such extensive ground operations, D-Link is highly responsive to local customer needs, and is able to focus global resources to develop localized applications, a considerable advantage over our competitors across markets and product segments. It is precisely this expertise that enables D-Link to take advantage of the significant opportunities offered by emerging markets.

#### Outlook

While we expect 2013 to remain challenging to our business, given continued weakness in many Western economies and the prospect of slowing growth in some emerging markets, there is cause for cautious optimism in the consumer space, where trends toward mobility and the personal cloud are intensifying. As people increasingly embrace a mobile, social lifestyle, facilitated by devices such as smartphones and tablets, they will demand more powerful networking products both in terms of increased bandwidth and cloud functionality. D-Link's Cloud initiative, designed around effortless viewing, control, and sharing of the digital life anywhere and everywhere, delivers precisely these capabilities. In 2013, we will continue to expand the mydlink-enabled family of Cloud products, as well as enhance mydlink functionality. In particular, we expect consumer adoption of Wireless AC to provide a boost to 2013 revenue growth.

In the business space, meanwhile, unified communication and collaboration will continue to drive growth as businesses replace aging infrastructure and support mobility in the form of BYOD. We will continue to expand our partner ecosystem through cooperation with SI channels for distribution and application and system partners in areas such as video management, business vertical solutions, and integrated security management systems to fill out our strategic offerings. D-Link's key value proposition as a one-stop vendor for networking solutions with integrated cloud applications and in-country, after-sales support are a clear advantage to SOHOs and SMBs lacking the technical expertise to deal with the management and interoperability issues inherent in networking systems.

Finally in the Broadband sector, carriers and service providers are increasingly provisioning Wi-Fi networks for home-based data offload and business hotspots as part of their mobile broadband strategy, and this trend will be a key growth driver for D-Link's telecom business in 2013. Service providers also face competitive pressure to develop new revenue streams from their existing customer base and their relationships with content owners by offering higher bandwidth and additional services. All this requires additional investment in IADs, Wi-Fi, and video-centric CPEs.

As D-Link pursues these opportunities in 2013, we wish to thank our shareholders for their long-term confidence in our vision, and also extend our gratitude to the management team and our valued staff worldwide, who continue to uphold the spirit of sound management, sustainable development, and corporate social responsibility. Through our concerted efforts, D-Link will meet its performance targets, producing continued growth and prosperity.

Sincerely,

**ROGER KAO** 

ROGER KAO Chairman & CEO

A.P. CHEN Director & President

<sup>1</sup> Source: Gartner, Market Share: Enterprise WLAN Equipment, Worldwide, 4Q12 and 2012, C. Canales, March 19, 2013.

<sup>2</sup> Source: D-Link 2012Q4 financial report

<sup>3</sup> Source: Gartner, Market Share: Enterprise WLAN Equipment, Worldwide, 4Q12 and 2012, C. Canales, March 19, 2013.

# Globalization through Localization

## LOCAL MARKET UNDERSTANDING, INTERNATIONAL PRESENCE

Unity: a strategy for success executed on a global scale. D-Link is the worldwide leader and an award-winning designer, developer, and provider of Wi-Fi and Ethernet networking, broadband, multimedia, voice and data communications, and digital electronics solutions. D-Link has systematically expanded its market share by penetrating geographic targets through a strategy of establishing in-country business units supported by a strong corporate foundation.



Confident in the resources of D-Link headquarters to develop and deliver state-of-the-art networking solutions, each local business – regardless of its location around the world – effectively penetrates the market. The Company's innovative products provide solutions for home and businesses, each built with standards-based reliability. D-Link has become a trusted international brand that connects people to their lives, to their work, and to each other.





# **>> Emerging Markets & Asia Pacific**

Emerging Markets and the Asia Pacific Region grew steadily in 2012, accounting for 65% of total sales revenue and strengthening D-Link's global presence.

Emerging markets continued to be the major engine of D-Link's expansion, with steady year-on-year growth. Positive development in Russia, Latin America, the Asia Pacific region, the Middle East, and Africa all continued, as D-Link increased local brand awareness, maintained competitive price points, and developed unique solutions to meet customer needs.

In Russia D-Link enjoyed a strong reputation as a top vendor among end users, major telecommunication companies, broadband carriers, and leading system integrators. In a PCMag reader's poll, D-Link won top honors for service and quality in the networking equipment category. Today D-Link has achieved a dominant position in the SOHO segment and maintains a leading position in the Russian market for access layer switches for ISPs. The company is also rising quickly in the budget segment in the video surveillance market.

Major milestones in Russia included the opening of new offices and startup of local production, certification of firewalls by FSTEK of Russia (Federal Service for Technical and Export Control), opening of the toll-free All-Russia Call Center, as well as new authorized training centers to better serve local customers, cooperation with leading educational institutions, which will grow long term mindshare, and a number of major projects at educational institutions and various levels of government.

D-Link's strategy in Russia includes customization of products

for state and commercial organization projects, training seminars both on site in offices and remotely from special D-Link educational sites, publication of educational materials, and marketing and technical support for partners. Bestselling products in 2012 were Internet gateways and routers, and xDSL products. Top revenue generators were managed switches, Internet gateways and routers, and xDSL products. The mydlink product family is also gaining traction in the Russian market, where product line extension led to sales growth and sales revenue increase. Future plans include expansion of local production, extension of the distribution network, increased cooperation with educational institutions, and further development of the local partner network.

In Latin America, particularly Brazil, 2012 was a year of transition and consolidation of technological leadership. At the beginning of the year, D-Link's offices and other facilities were widely scattered. A major achievement was the unification of operations, which dramatically improved management processes and product quality. Preparation for deepening localization also proceeded smoothly. Meanwhile, intensive training and improved consistency of team management laid a foundation for future expansion and growth. D-Link's business in Brazil is 100% channel driven, with 8 distributors, 75 top resellers, and over 2,000 resellers in all. Telecoms are responsible for around 50% of total revenues. Despite intense competition, D-Link remained the market leader in retail, which accounted for 35% of total revenues, and there was

also significant growth in IP surveillance and entry-level switches, representing 15% of total revenues. D-Link is recognized as the strongest brand in entry-level routers, with more than 55% market share at retail and up to 80% at key large retailers such as Walmart Brazil. As much of the Brazil market remains on older 802.11g wireless, and ICT growth is expected to continue outpacing overall GDP growth, the prospects for D-Link in Brazil are extremely bright for 2013 and beyond.

Meanwhile in India, D-Link had a very successful 2012, closing FY 2012 with 82% growth YoY. D-Link was number one in the Indian switch market throughout the year. In Business Switching D-Link reached 33% market share (port shipments), while in Business Wireless D-Link attained the number one position with 40% market share (unit shipments).

Major drivers in the channel business were wireless and broadband products. Enterprise business saw strong growth in the smart switch product category and the 3G business was completely dominated by the 3G dongle. mydlink-enabled products and the mobile companion range also witnessed a good business run rate. Finally in structured cabling, growth of over 100% enabled D-Link to retake its position of market leadership.

D-Link grew both in the channel space as well as in the enterprise space. In the former, the key contributors remained unmanaged switches, entry-level wireless routers, and broadband ADSL products. 3G products, especially the 3G dongle, also contributed significantly to growth. In the enterprise segment D-Link did very well with universities across India. Government has been traditionally a strong foothold for D-Link in India and the year also saw many large deals with state governments for products like switching, IP Surveillance, and wireless.

Throughout the emerging markets, D-Link pursued many unique local initiatives to attract new customers while satisfying current ones. Although competitive pricing continued to be a key attribute for valueconscious customers, increasing product differentiation is emerging as a driver of demand, ensuring that D-Link will continue to be the preferred networking solution provider worldwide.

## East & Africa



and Severine Real ,March 26 ,2013

## **CASE STUDY**

#### TAMIL NADU REGISTRATION DEPARTMENT

The state government of Tamilnadu wanted to design a surveillance system to monitor day to day land and marriage registrations to help prevent undervalued registration or middleman activity at each sub-registrar office in the state. The system had to be flexible and scalable in order to meet departmental needs. The major challenge was to future reference and thereby prevent middleman activity.

The state has 575 sub registrar offices (SRO) based out of 31 districts grouped under nine zones, all under a central Inspector General office. All these offices are interconnected by the Tamilnadu State Wide Area Network (TNSWAN).

322L populated by 2TB hard disks, a monitoring PC, and a UPS. The video footage of each registration will be copied to CD and given to corresponding public for future reference and authentication. All the video streams can be monitored live by corresponding zonal office and centrally from the Inspector General office at any

D-Link's comprehensive solution of DCS-2103 video footage and zonal level multiple NVR pro application with proof of concept at their respective premises impressed both the customer and ELCOT, the governmental evaluation agency, strongly outpacing the competition to win the deal.



#### Chart Created by D-Link based on Gartner research. Source : Gartner , " Forecast : Enterprise Network Equipment by Segment, Worldwide, 2010-2017, 1Q13 Update, by Christian Canales, Naresh Singh, Joe Skorupa

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## **• Europe**

While the general European economy remained weak, business solutions and IP surveillance in particular proved to be a bright spot, with solid growth and increasing recognition of D-Link's capabilities.

Economic problems persisted across Europe throughout 2012, as sovereign debt and Euro instability continued to affect both consumer and business confidence. Even with these difficult trading conditions, D-Link Europe managed to grow its Business Solutions revenue by 7% year on year. Most notably, IP Surveillance for both professional and consumer markets grew 128% year on year, placing D-Link among the top 15 suppliers for Networked Video Cameras in Europe.

Supporting this there was an 8% growth in sales of the smart switch portfolio, thanks to a concentrated effort to promote the product range throughout the region; a 12% growth in sales of Digital Home products; and 78% growth in sales of D-Link Assist, the rapid response technical support service – proving that value-added services are a key factor to business development and highly valued by end-users.

D-Link Europe's strategy for the year was to drive sales for Business Solutions from the Smart and Unified Switch portfolio, along with a push to drive Wireless N Access Point sales. In the consumer market the focus was to transition consumers to cloud routers while maintaining the growth of Powerline sales.

These goals were achieved through a strategy of increasing the number of partners selling D-Link products. Not only did the partner base increase, but through the VIP+ programme, D-Link Europe ensured that Value Added Resellers are fully trained on the latest products and able to go to market swiftly, armed with all of the knowledge required in order to be successful. An example of this success is the focus on transitioning resellers

away from the old managed switch portfolio, to the new xStack family of switches.

Key to growth this year were IP surveillance sales, establishing the mydlink platform and promoting business IP cameras within the professional surveillance market. The home surveillance market has grown, thanks to the ease of installation of the latest IP cameras, the attractive price point, and the userfriendly mydlink service, which make it easier than ever for consumers to keep an eye on family and home. Key products in this area included entry-level cameras such as the DCS-932L and DCS-942L.

Focusing on key vertical sectors was also critical throughout 2012 and D-Link Europe saw expansion in sectors including Education, Government, and Consumer. The IP surveillance offering also enabled a strong push into the Professional Security Market which had previously been untapped, and this should prove an area of further growth throughout 2013. Storage saw increased sales in the retail sector via channel partners, and mydlink allowed further market penetration through the channel in retail and online spaces.

The DGS-1100 was rolled out for SOHOs and Small and Medium Businesses, providing them with an affordable switch. It also worked well in enterprises, where simple network management is required in smaller branches. In addition, the DCS-1210 performed well across the region because of its scalability and advanced security. Wireless Access Points such as the DWL-3600AP and the DWL-6600AP were also successful products

for Business Solutions thanks to their reliability, ease of management and high data transmission speeds. Unified access points were complemented by the DWC-1000 providing easy to use, scalable solutions to manage and configure wireless networks.

Entering 2013, D-Link Europe is expecting further growth in IP Surveillance sales, building on its relationships with the Professional Security market to drive further sales. The introduction of JustConnect will provide an exciting addition to the IP Surveillance portfolio as an easy-to-configure, end-to-end solution to the SMB market. The introduction of Wireless AC will also be a major focus, and D-Link Europe intends to educate consumers and businesses alike on the latest technology, in order to support a strong launch of our new Wireless AC routers. D-Link Europe will also continue to add value to resellers through the VIP+ program which, in addition to releasing the latest innovative, best-in-class technology solutions, will ensure mutual business growth.

## **CASE STUDY**

BT Business Direct and its sister company DABS.com are leading providers of IT

BT Business Direct issued an open invitation to a number of preferred suppliers. It quickly became obvious that D-Link had the best solution, both because of the addition, its edge-of-network design means the impact on the network is minimized,

Initially, BT Business Direct came up with some suggested positions for cameras based

D-Link's design of the solution sees DCS-6112 cameras connected to DNS-726-4 of improved quality of service, resiliency, and full redundancy built in. If a single camera fails, a Samba client will record the video locally; if an NVR fails, the cameras can record to an alternative unit. The NVRs are backed up to a DSN-3200 for storage, which can record up to 90 days of HD-quality 720p resolution video locally, thus reducing the impact on network usage.

According to Alex Davis, IT Manager, the main benefit of the new system is the way it is implemented. "You've got one cable running back to one switch and it's all if there's any motion detected, but also if the alarm goes off it sends a signal to a number of people."

# 2010



Equipment by Segment, Worldwide, 2010-2017, 1Q13 Update ,by Christian Canales, Naresh Singh , Joe Skorupa and Severine Real ,March 26, 2013



## **North America**

As the economy showed signs of modest improvement, D-Link focused on companywide efficiencies, operations, and market execution strategies to help drive future growth. The company also extended relationships with channel and retail partners while engaging new partners to meet changing distribution needs.

Performance over the past year highlighted D-Link's commitment to delivering technology solutions that meet the ever-changing needs of consumers, businesses, and other organizations. Key focus areas for the Consumer Solutions business unit included retaining IP surveillance market leadership and setting industry benchmarks with firstto-market Wireless AC routers and adapters. The company demonstrated its ability to deliver powerful home networking, media streaming, and IP surveillance products that offer the connectivity, performance and remote management and sharing demanded by today's mobile lifestyles. The efforts of the Business Solutions unit focused on high-performance unified wireless and total IP surveillance solutions with an endto-end integrated offering of IP cameras, switching, wireless and storage unique in the industry. IP surveillance growth revolved around D-Link's ability to engage on a larger scale with regional and national security distributors, establish new alliances with major VMS (Video Management Systems) companies and a special focus on educating CCTV integrators on the significant advantages of a complete IP surveillance security solution.

Key products for the year included D-Link's first-ever Wireless AC Cloud Router, the DIR-865L, and a range of exciting new consumer IP surveillance cameras including the pan/tilt DCS-5222L, DCS-2132L and DCS-2310L, offering HD resolution and weatherproof casing for outdoor use. D-Link also announced the MovieNite and MovieNite Plus streaming media players. D-Link focused on enhancing its business product portfolio

for SMB customers with several key initiatives, including expanded IP Surveillance solutions with HD IP cameras, the DGS-1500 SmartPro switch series, and its latest Unified Wireless offerings. Key trade shows such as ISC West and ASIS served as ideal venues for introducing D-Link's expanded IP surveillance line, including its first fisheye camera, the DCS-6010L, and an industry-leading five-year warranty for select fixed box, dome and bullet cameras.

The MovieNite players launched on the shelves of Walmart, the world's largest retailer, opening the door to future placements there. D-Link also significantly expanded national and regional retail partnerships across the U.S. On the business side, D-Link expanded security distribution channels by adding ADI and Tri-Ed. On the service provider side, D-Link North America won a contract with Verizon, the largest telecom in the U.S., and deployed 250,000 ADSL2+ GW units. The D-Link business team also helped a popular fast food chain expand their drive through service efficiency by installing new IP surveillance cameras when the chain expanded to include two drive-thru ordering windows. The new IP surveillance cameras helped speed up the ordering process, and confirm the correct order was delivered to the customer when they drove up the pickup window.

Additionally, the business VIP channel program was upgraded during 2012 with a new rewards program, marketing support, lead generation tools and additional partner training, strengthening. Rebranded as Value in Partnership+ the

new program was well received by resellers, who became Gold and Silver partners. D-Link continued its success with in K-12 education and state and local governments by adding PEPPM (Pennsylvania Education Purchasing Program), a multi-state contract, and renewed the New York State and the Texas Department of Information Resources (DIR) contracts.

Throughout 2012, D-Link focused heavily on expanding its presence and engagement across its social network properties to show its commitment to customers and vertical market segments and to demonstrate that it is listening to the needs of customers across communication channels. Over the past year, the company increased its social network community size approximately 900 percent via dedicated promotions and significant social outreach and community building. In addition, D-Link completely redesigned its corporate web site to communicate key product/technology information and market messages in a refined way that better meets the needs of target customers and simplifies navigation to key product information.

Major initiatives for 2013 include entering specialized vertical market segments to expand D-Link awareness, technology leadership, and overall market penetration. The company will launch new cameras and router solutions catering to the needs of these markets - including gamers, parents, pet owners, and more. On the business side, D-link will expand its market leadership with new costeffective EasySmart PoE switches designed to offer system integrators and network designers advanced features and easy network management regardless of their IT expertise. The EasySmart switch family represents D-Link's first offering to deliver Power-over-Ethernet (PoE) capabilities and allows the company to drive technology discussion and leadership surrounding PoE for easy IP surveillance, VoIP phone and access point deployment.

## **CASE STUDY**



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#### DODGELAND SCHOOL DISTRICT, JUNEAU WISCONSIN





## **Consumer Solutions**

As social and mobile trends transform the way that people utilize the Internet, D-Link has responded with innovative products and Cloud Services that help customers connect to more, both at home and away.

In 2012, D-Link launched a number of products to satisfy the rapidly evolving needs of the consumer market segment. People are increasingly connecting from mobile devices such as smartphones and tablets, leaving PCs behind. At the same time, online video streaming services and social networking have also surged in popularity. As a result, there is more demand for bandwidth, on more devices than ever. In recognition of this digital lifestyle trend, D-Link is meeting changing consumer needs with mydlink-enabled options for connectivity, monitoring, and storage. Central to these efforts are three strategic weapons.

First are mydlink-enabled Cloud Cameras. This segment was a bright spot for D-Link in 2012, as the lineup was expanded with models such as the DCS-5222L Day and Night Pan/ Tilt Cloud Camera, the first Cloud Camera with pan/tilt, and the DCS-6010L Wireless N 360° Home Network Camera , which added an innovative fisheye lens for true 360-degree monitoring. Rapid addition of new hardware and software features ensure that D-Link Cloud Cameras surpassed the competition in the market. The most significant and far-reaching enhancement was D-Link's exclusive Zero Configuration capability, which provides effortless one-touch setup when a Cloud Camera is connected to a mydlinkenabled Cloud Router.

Next, D-Link pioneered the entirely new product category of portable or personal routers with the DIR-505 All-inone Mobile Companion and DIR-506L SharePort Go. The DIR-505 offered instant Wi-Fi connectivity, convenient file synchronization between mobile devices via connected USB storage, and charging at home or on the road. Meanwhile, the DIR-506L provided all of the above functionality as well as a rechargeable battery that can top up other mobile devices in a pinch, making it the ultimate mobile accessory. The possibilities for the portable router segment are extremely promising; as a personal device at the center of the individual's mobile life, a portable router is something that everybody needs. Looking ahead to 2013, D-Link is charging ahead with new models and features never seen before, which promise to transform the way people connect, share, and charge their devices on the go.

Third are Wireless AC Cloud Routers. In 2012 D-Link debuted the DIR-865L Wireless AC1750 Dual Band Cloud Router, the world's first Wireless AC Cloud Router. It made use of multiple channels and the draft 802.11ac standard to deliver combined wireless speeds up to 1750 Mbps, shattering Wi-Fi performance records. The huge jump in bandwidth compared with previous-generation wireless unlocked a range of exciting new use cases, such as multiple HD video streams; meanwhile, support for Cloud-based management and control of the network set it apart from the competition. Following in the footsteps of the DIR-865L are an industry-leading lineup of D-Link Wireless AC routers, set to launch in 2013.

Complementing these three strategic initiatives, D-Link also saw great success in areas such as mydlink-enabled Cloud

Routers and Cloud Storage, and Power Line Communications networking products. Across diverse product lines, Cloud Services proved to be a key differentiator, enabling users to view, control, access, and share more from all their devices. Recognition of D-Link's unique advantages came in the form of numerous design awards. The DNS-320L ShareCenter 2-Bay Cloud Network Storage Enclosure and DCS-6010L Wireless N 360° Home Network Camera both took home 2013 red dot Design Awards, as did the DWR-910 4G LTE USB Router and DHP-W310AV Powerline AV 500 Wireless N Mini Extender . The DIR-636L Wireless N300 Gigabit Cloud Router, meanwhile, received a 2012 Good Design Award (G-Mark), which recognizes outstanding industrial design.

D-Link looks to expand its consumer base by growing its product lines, providing a full range of solutions that deliver unbeatable value and performance. Diversified offerings and innovative technologies, including a portfolio of Cloud Services unmatched in the industry, will reinforce D-Link's position as a leader in the Consumer and Digital Home segment.



Ľ

winner 2012







## ACHIEVEMENTS FOR 2012:

#### reddot design award

vork Storage, DCS-6010L Fisheye Camera, Vireless Powerline Adapter, and DWR-910 Petit Router each won a Award 2012

## GOOD Design

ess N300 Gigabit Cloud Router received a prestigious Good Design

#### WAN ENCE 2012

ome 17 Taiwan Excellence awards in 2012, for products including s, powerline adapters, IP cameras, switches, and even media players.

HD Media Router won Best Networking/Storage Product of CES 2012



## **Business Solutions**

D-Link is committed to providing SMEs, SMBs, and SOHO customers with powerful and cost-effective networking solutions that facilitate success in today's rapidly evolving information technology environment.

D-Link's primary focus has been on solutions for small to medium businesses, a sector which needs stable connections, flexibility, and ease of use, along with outstanding priceperformance. To better meet these requirements, D-Link is targeting three strategic areas: unified wireless solutions, smart switches, and integrated, one-stop surveillance solutions, within the broader portfolio of business-oriented solutions.

Mobility was a major buzzword in 2012, as increasing numbers of businesses of all sizes accelerated their adoption of the "bring your own device" (BYOD) trend, and D-Link was there to meet the demand with unified wireless solutions. Entry-level Unified Wireless switches like the DWL-2600AP can be clustered together without need for any additional hardware. As network scales increase, up to 256 access points can be deployed together and managed by one of D-Link's Unified Controllers, such as the DWC-1000. D-Link Unified Wireless solutions make it simple for businesses to implement BYOD policies with tools like on-demand location tracking, policy-based VPN firewall, and outbound load balancing and fault tolerance.

Another area of focus is smart switches. These have rapidly become the mainstream among small and medium businesses, which increasingly require the power and flexibility of managed switches without the complexity. D-Link's lineup of smart switches offers them the best of both worlds. Revenue and market share have grown steadily as companies discover the security, efficiency, and scalability of D-Link smart switches. Thanks to D-Link Green<sup>™</sup> technology, which reduces

power consumption 24 hours a day, Auto Surveillance VLAN, which simplifies setup and integration with D-Link's IP cameras, and support for more languages than the competition, D-Link's smart switches are some of the smartest in the industry.

A third area of focus is D-Link's integrated, one-stop surveillance solution (4S), consisting of IP surveillance cameras, switches, software, and storage. Experts estimate that the number of IP surveillance cameras deployed worldwide will overtake analog surveillance cameras by 2014. As this transition accelerates, IP surveillance is increasingly becoming both the concern and the responsibility of company IT departments. D-Link's track record of product stability and price performance across millions of installations supports its renown in the IP surveillance arena. Schools, retail environments, and SMBs alike all stand to benefit from the streamlined integration, ease of installation and configuration, centralized management, simplified troubleshooting, and guaranteed interoperability of D-Link's one-stop solutions, which no competitor can match.

The formal launch of IPv6 in June 2012 raised awareness of the need for IPv6-capable network infrastructure. D-Link was ready with several customer premise equipment (CPE) routers certified for use over IPv6 ready networks on launch day. More than 30 D-Link CPE devices now bear the IPv6 Ready Logo. All current-generation consumer routers support dual stack and v4/v6 tunneling mechanisms. Furthermore, several D-Link IP surveillance cameras and wireless Powerline models are also IPv6 certified. Having supported IPv6 since 2006, D-Link is one

of the major networking vendors actively promoting the new Internet Protocol and was among the first major networking vendors to pass UNH-IOL interoperability testing in late 2011. Most recently, D-Link has worked to combine IPv6 readiness with contemporary technologies like 802.11ac and IEEE 1905.1 for maximum forward compatibility and connectedness. All new D-Link routers now ship with the 'IPv6 Ready Phase II' certification and logo.

As a leading innovator in the global networking industry, D-Link has aggressively adopted green technologies that conserve energy, protect the environment, and reduce waste – as well as help businesses reduce their costs. D-Link Green<sup>™</sup> technology meets or exceeds current guidelines for environmentallyfriendly manufacturing and disposal. When the IEEE ratified the green standard for Energy Efficient Ethernet in 2010, D-Link was ahead of the game, having already launched an IEEE-compliant switch. Since that time, D-Link has continued to extend this compliance to its entire family of enterprise products, with the long-term goal of helping businesses minimize their carbon footprint.

D-Link has defined itself as an end-toend solution provider, offering products that extend across all areas of network infrastructure including switching, security, wireless, IP surveillance, and storage. With a rich and robust selection of features and products among all of these categories, D-Link has been able to supply businesses with powerful building blocks that add value at each level of their network infrastructure.





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#### **ACHIEVEMENTS FOR 2012:**



# **» Service Provider Solutions**

D-Link is enhancing its highly competitive mobile product line and broadband offerings with innovative Cloud functionality and Wireless AC, utilizing its unique strengths to meet the rapidly evolving needs of the Service Provider and Telecom markets.

Strong relationships with leading vendors and manufacturers have reinforced D-Link's reputation as a dependable partner for Internet service providers (ISPs) and brought about widespread recognition of D-Link as a "one-stop shop" with comprehensive product offerings, including everything from consumer-level ADSL routers for the home and a complete range of high-speed 3G/4G/LTE solutions to enterprise-level managed switches that power advanced service-provider infrastructure.

ISPs today face many challenges in today's competitive landscape, as average revenue per user has declined even as operating expenses continue to increase. Existing networking infrastructure has suffered from a surge in demand for data traffic as a result of the adoption of cloud-dependent mobile devices and the popularity of bandwidth-heavy applications such as video streaming.

A major story in 2012 was the accelerating rollout of 4G/LTE networks worldwide. Combining the speeds, low latencies, and high capacity of these networks with the capabilities of the personal cloud, which are unmatched in the mobile industry, and emerging technologies like 802.11ac, D-Link is uniquely positioned to meet the diverse needs of service providers on one hand and businesses and consumers on the other, bridging

them with a wide range of cloud-enabled solutions that change the way the world connects.

The incredible potential of high-speed mobile access is set to be realized in a number of products coming soon. D-Link LTE 11ac IADs make possible the modern LTE connected home, with support for smart DECT handsets for VoLTE calling and high-speed 11ac wireless network connectivity throughout the home for smoother high-definition video streams, VoIP calling, and online gaming on multiple wireless devices. Seamless integration with mydlink-enabled Cloud Cameras, media players, and network storage devices mean it's easier than ever to enjoy the mobile, social lifestyle. Meanwhile, D-Link 3G/4G Portable NAS Routers enable users to unlock the full potential of their connection practically anywhere, with the power of the personal cloud. At the push of a button the router creates a Wi-Fi hotspot, extends the range of an existing wireless network, or docks with a NAS for effortless file sharing. Other D-Link solutions perfectly integrate 4G and VDSL in homes. From live video streaming to ever-larger file transfers and real-time collaboration, today's telecom applications strain networks to the limit. D-Link's 4G-VDSL Hybrid Gateways offer reliable connectivity and efficient load balancing capabilities. When needed, the gateway provides dynamic load sharing and QoS control for IP traffic and ensures home users' enjoyment of

triple-play service without any lag. Finally D-Link's rugged Coolbox routers are designed for heavy-duty applications. They offer integrated 4G LTE WAN and WLAN capabilities, as well as advanced features like seamless failover, always-on connection, redundant WAN links, and VPN connectivity for the ultimate in high-speed wireless access, all in a hardened metal housing that withstands the toughest conditions. Overall, D-Link is in a prime position to help service providers and their customers unlock the full power of their connections.

Also affirming D-Link's position as a major player in the service provider sector in 2012, the company was one of the first networking service providers to receive the new BBF.069 CPE certification launched by the Broadband Forum, indicating that the DIR-835 implementation of D-Link's CPE router platform complies fully with the TR-069 standard for remote management. As the number of broadband subscribers, applications, devices, and services continues to grow strongly worldwide, and a mass market for broadband emerges, the BBF.069 certification was developed by the Broadband Forum to help establish a foundation of interoperability for continued innovation in connected home services.

Market adoption of TR-069 is showing explosive growth, with dramatic uptake of services like IPTV and deployments of FTTx. In this fast-changing global landscape, the certification confirms that D-Link CPE devices meet operator and service provider requirements for interoperability with their remote management auto-configuration servers. As a result operators and service providers can choose D-Link CPE devices with confidence. Ultimately, BBF.069 certification streamlines compatibility testing and accelerates deployment of new broadband products and services based on D-Link CPE router solutions, making it easier for operators and service providers to tap exciting new markets and increase customer satisfaction.

D-Link's strong presence in consumer networking and the digital home leaves the company prepared to deliver the next generation of mobile networking devices, enhanced with personal cloud functionality and leading technology like Wireless AC that make it easy for service providers to deliver more value and help their customers connect to more.

D-Link was among first in the world to receive the new BBF.069 CPE certification from the Broadband Forum, indicating that the DIR-835 implementation of D-Link's CPE router platform complies fully with the TR-069 standard for remote management. It confirmed that D-Link CPE devices meet operator and service provider requirements for interoperability with remote management auto-configuration servers. As a result operators and service providers can choose D-Link CPE devices with confidence.





## **ACHIEVEMENTS FOR 2012:**





# Product Design & Distribution

The pace of change in information technology has accelerated in the mobile, social era. As a global leader in networking, D-Link is at the forefront of the revolution.

For more than 25 years, D-Link has been leading the way in developing new technologies and making them accessible to consumers and businesses all over the world. Today our innovation, execution, and heritage serve us well as we enter the Cloud era and help our customers connect to more, in more ways than ever before.

D-Link consumer products are known all over the world for industry-leading design and Cloud functionality that enables and empowers today's mobile lifestyle. These features, combined with a reputation for reliability, both fuel and fulfill a growing demand for networking at home and in the small office. Blazing the way forward with innovative offerings such as Cloud Cameras, Portable Routers, and Wireless AC Cloud Routers, D-Link is perfectly positioned to be the center of the digital home.

When it comes to the business market, D-Link does more than just compete with other enterprise-class switch manufacturers – D-Link drives the industry. D-Link's unified wireless solutions provide superior wireless coverage and reliability, thereby increasing business productivity, flexibility, and cost efficiency. D-Link smart switches, meanwhile, offer increased security and scalability, hitting the sweet spot between the simplicity of unmanaged switches and the power of managed ones. Finally there is IP surveillance. In every vertical, from retail to residential, education to healthcare, hospitality to transportation, D-Link's integrated one-stop surveillance solution, comprised of IP surveillance cameras, switches, storage, and software, offers unbeatable flexibility. No matter whether at home, in the office, or anywhere else, D-Link helps customers connect to more with differentiated, high-value products. Producing goods for a global marketplace, D-Link continues to grow and develop its local business units. The combination of internationally-respected global brand and local touch means D-Link's products are promoted and distributed to customers by people they know and trust. This is the case whether they are in Brazil, Russia, Japan, or any of the 67 countries and 189 total locations where D-Link does business around the world.

Strategic partnerships and control of the supply chain create synergy which allows D-Link to accelerate product availability. Highly efficient, coordinated teamwork across borders delivers innovative products to every corner of the globe as local teams communicate their requirements to D-Link Headquarters, which fulfills these needs in timeframes that competitors cannot match.

D-Link's mission is "Building Networks for People", and our commitment to providing customers with an unmatched networking experience through outstanding value, ease of connectivity, and a human touch continues to be proven successful one customer at a time.



# Corporate Social Responsibility

#### D-Link's Green Commitment

At D-Link, we believe that leadership in the networking industry also extends to environmental responsibility. We carefully consider human nature and habits to ensure that our products are both user-friendly and eco-friendly, emphasizing innovative applications. D-Link is concerned not only about energy conservation and material acquisition, but also about providing an appropriate set of functions in our products to reduce the number of devices required. One outstanding example is D-Link's industry-leading SharePort technology, which eliminates the need for a dedicated PC for media streaming or file sharing and thereby can dramatically reduce the power consumption of a home entertainment system.

D-Link has a long history of environmental commitment. As far back as 2007, we were among the first to market energy-saving desktop switches, and shortly thereafter launched our first eco-friendly wireless routers. In 2009, we introduced our Green technology into storage devices, power line communication adapters, and more wireless routers, as well as flagship managed switches. Around that time, environmentally-friendly packaging with less plastic and printed with soy ink was also developed. Then in 2010 D-Link became the first company to achieve ISO 14067 carbon footprint certification on Ethernet switches, and in 2011 D-Link was certified ISO 14064-1 compliant. More than 70% of D-Link's first-tier suppliers now comply as well. Our target for 2012 was for 80% of all new products to be D-Link Green certified.

To protect both our customers and the environment, we avoid hazardous materials, and we are committed to recycling and energy conservation. All D-Link products comply with the EU's RoHS and WEEE standards. TÜV Rheinland rated D-Link a fivestar organization with best-in-class practices for environmental issues. D-Link was also the first networking company to become registered as an ENERGY STAR partner as part of a global initiative to reduce greenhouse-gas emissions, ensuring that our power adapters now comply with strict energy-efficiency guidelines (Level 5).

Product development at D-Link is guided by total "Life Cycle Awareness." This mentality helps us to continuously improve the environmental aspects of our products and processes in each phase of the product life cycle. This includes considerations all the way from conceptual design through raw material acquisition, until the product's end of life. All new D-Link products since 2008 have adhered to these guidelines.

Today, D-Link continues to strengthen its position as a market leader by developing the highest quality Green networking solutions for office and home. As part of D-Link's mission of "Building Networks for People" we embrace public responsibility. In conjunction with both new and ongoing environmental initiatives, D-Link strives to create environmentally-friendly solutions for a better future today.



## Corporate Headquarters & Board Members



Roger Kao Chairman & CEO



A.P. Chen Director & President

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A.P. Chen	Director & President
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Charley Chang	Director
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