



**Express** EtherNetwork™



BEST OF CES  
Award  
2004  
DVC-2000



— DVC-2000

## Affordable Broadband Video Phone for Home & Business

### With Built-in LCD Screen

The DVC-2000 i2eye Video Phone, an award-winning device for quality image video conferencing over the Internet is a stand-alone Internet video phone. You do not need a computer to do remote video conference. A large built-in display lets you watch in real time the person whom you are talking with (and yourself), without having to plug the phone to a TV or any monitor screen.

#### Quality Image and Audio

With a built-in camera on top of an LCD screen, The DVC-2000 captures your image and streaming video over the Internet to your destination. Using an advanced video compression technology, this phone can send and receive video at up to 30 frames per second at up to 352 x 288 pixels. The phone incorporates Quality of Service (QoS) for smooth image transmission, and echo cancellation, silence suppression and lost voice packet recovery for quality voice communication.

#### Connectable to TV & External Speakers

In case you wish to do a video conference on a large monitor instead of the built-in screen, you can connect the DVC-2000 to your TV set through a standard RCA video cable. For better sound, you can attach this phone to an external speaker instead of using the built-in speaker.

#### Standard Compliance

The DVC-2000 currently supports the H.323 industry standard, and can connect to any device that uses this protocol for video conferencing, and not just to another D-Link video phone. You can, for example, connect this video phone to another device that uses the popular Microsoft web-based NetMeeting.

#### Easy Setup & Operation

The DVC-2000 can be configured using an easy-to-use setup wizard that guides you step by step to set up. You can easily make changes to personalize your video conferencing display, using the phone keypad. You connect your DVC-2000 to both a telephone line and a broadband DSL or cable modem, or to a remote router. Once you pick up the phone to call out, the default communication mode is the normal telephone (PSTN). You press the "Broadband" button and select your destination from a Speed-Dial List to initiate a video conference call. The DVC-2000 accepts both PSTN and VoIP incoming calls, allowing you to receive both video conference and normal telephone calls. Caller IDs can be displayed to inform you of the callers.

#### Ideal for Home and Business

With a small price tag, high quality video and easy setup and operation, the DVC-2000 is ideal for home and business use. You can simply connect two video phones to the Internet to begin smooth picture video conferencing anywhere in the world.

#### Features

- Functions as both ordinary PSTN phone & real-time, high-resolution video conference phone
- Complete speaker phone with function keypad, built-in 5-inch color LCD, phone book
- Built-in 30fps CMOS camera, 352 x 288 pixels (CIF), 176 x 144 pixels (QCIF) resolution
- H.323 VoIP protocol support
- Adjustable remote view/self view
- Caller ID, audio/video privacy functions
- Can connect to TV and external speakers
- Stand-alone operation, no PC required
- Full screen view or picture-in-picture
- Auto IP mapping (phone book)
- Audio/Video privacy protection with built-in caller ID
- Easy setup using phone keypad or graphic menu on TV

# DVC-2000

## Technical Specifications

### Standards

- VoIP communication: H.323 v.2
- VoIP call control: Lightweight Directory Service Protocol (LDAP)
- Video compression: H.263
- Audio compression: G.711 A-law, G.711 U-law, G.723 high rate, G.723 low rate
- IEEE 802.3 10BASE-T Ethernet

### WAN Interfaces

- RJ-11 POTS port (to telephone line)
- RJ-45 full/half-duplex 10BASE-T port (to broadband DSL/cable modem or remote router)
- PPPoE support on Ethernet port (for dial-up DSL)

### Memory

- Firmware SDRAM: 8MB x 2
- Frame buffer SDRAM: 4MB
- Flash memory: 2MB

### Camera

- Sensor: CMOS
- Tilt: manual
- Focus: manual

### Video Frame Rate

- 96 Kbps to 512 Kbps
- Up to 30fps

### Video Resolution

- CIF: 352 x 288 pixels
- QCIF: 176 x 144 pixels

### Video Interfaces

- 5-inch TFT LCD
- RCA video out socket (for connection to TV)

### Video Adjustment

- Automatic
- Saturation, Brightness, Contrast and Gain manually adjustable

### TV Output Format Support

PAL or NTSC (factory set)

### Audio (VoIP)

- Echo cancellation
- Voice only to/from Voice over IP endpoints

### Audio Interfaces

- On telephone handset
- Half-duplex speaker (on telephone set)
- Microphone (on telephone set)
- RCA half-duplex audio out socket (for connection to external speaker)

### Network Function Support

- Fixed IP/DHCP
- IP/DNS
- PPPoE
- ICMP ping
- Auto-detect public IP

### Call Support

- Speed dial list (50 sets)
- Incoming caller ID display
- Dial by telephone number or by IP
- Answer with telephone or auto-answer

### Telephone Keypad

- Numeric keys (0 to 9)
- #, \*
- PSTN/Broadband connection selection
- Remote view/Self view selection
- Full screen view/Partial screen view selection
- Volume up
- Volume down
- Video (LCD) on/off selection
- Audio (speaker) on/off selection
- Ring tone volume
- Phone book (speed dial list)
- Arrow keys (4 keys)
- Cancel

### Configuration

- Through GUI menu on TV or telephone keypad

### Firmware Upgrade

TFTP

## Physical & Environmental

### Power Supply

Through external power adapter

### Power Consumption

8.645 watts (max.)

### Dimensions

240 x 210 x 70 mm

### Weight

1.225 kg

### Operating Temperature

0° to 40°C

### Storage Temperature

-25° to 60°C

### Operating Humidity

5% to 95% RH non-condensing

### Storage Humidity

0% to 95% RH non-condensing

### EMI

- CE EN55022, EN55082-1, EN55024
- FCC Part 15 (Class B)
- CCC
- VCCI Class B

### Safety Certification

- CSA
- UL 1950
- TUV/GS (EN60950)

### Telecom Compliance

- FCC Part 68
- CTR21
- JTEC

### ESD

Air discharged 8 KV, Contact 4 KV

### Hi-pot

1500 VAC



## Ordering Information

**DVC-2000** i2eye Video Phone With Built-in LCD

*Please specify your order as follows:*

<b>BDVC-2000</b>	NTSC format, for use in USA
<b>DVC-2000A</b>	NTSC format, for use in Japan
<b>DVC-2000N/E</b>	NTSC format, EU standard power adapter, for use in Singapore, Russia
<b>DVC-2000P/E</b>	PAL format, EU standard power adapter, for use in India, Middle East
<b>DVC-2000N</b>	PAL format, for use in Australia
<b>DVC-2000B</b>	PAL format, for use in UK
<b>DVC-2000CA</b>	NTSC format, for use in Canada
<b>DVC-2000CN</b>	PAL format, for use in China
<b>TDVC-2000</b>	NTSC format, for use in Taiwan



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<b>U.S.A</b>	TEL: 1-714-885-6000	FAX: 1-866-743-4905
<b>Canada</b>	TEL: 1-905-8295033	FAX: 1-905-8295223
<b>Europe</b>	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
<b>Germany</b>	TEL: 49-6196-77990	FAX: 49-6196-7799300
<b>France</b>	TEL: 33-1-30238688	FAX: 33-1-30238689
<b>Netherlands</b>	TEL: 31-10-282-1445	FAX: 31-10-282-1331
<b>Belgium</b>	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
<b>Italy</b>	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
<b>Iberia</b>	TEL: 34-93-4090770	FAX: 34-93-4910795
<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
<b>Norway</b>	TEL: 47-23-897189	FAX: 47-22-309085
<b>Denmark</b>	TEL: 45-43-969040	FAX: 45-43-424347
<b>Finland</b>	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
<b>Singapore</b>	TEL: 65-6774-6233	FAX: 65-6774-6322
<b>Australia</b>	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
<b>China</b>	TEL: 86-10-5863-5800	FAX: 86-10-5863-5799
<b>India</b>	TEL: 91-022-2652-6696	FAX: 91-022-2652-8914
<b>Middle East (Dubai)</b>	TEL: 9714-3916480	FAX: 9714-3908881
<b>Turkey</b>	TEL: 90-212-335-2553	FAX: 90-212-335-2500
<b>Egypt</b>	TEL: 202-414-4295	FAX: 202-415-6704
<b>Israel</b>	TEL: 972-9-9715700	FAX: 972-9-9715601
<b>Latin America</b>	TEL: 56-2-232-3185	FAX: 56-2-232-0923
<b>Brasil</b>	TEL: 55-11-55039320	FAX: 55-11-55039322
<b>South Africa</b>	TEL: 27-1266-52165	FAX: 27-1266-52186
<b>Russia</b>	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
<b>Taiwan</b>	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
<b>D-Link Corp.</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299