

## GVC-3000



## KEY FEATURES

- **SIP Standards compliant, Interoperable with the SIP servers world wide**
- **Multi Codec Support H.264, H.263, H.263+ and MPEG-4**
- **Video Telephony at a bandwidth as low as 128kbps**
- **Excellent Audio and Video Lip Synchronization**
- **Tiltable LCD and Camera**
- **Excellent Video and Voice Quality on TV for group participants**
- **Audio and Video Privacy**

## Desktop Video Phone

D-Link Video phone (GVC-3000) is a fully featured, easy-to-use, SIP based Video and Voice over IP phone supporting H.264 Video Codec. With its advanced Jitter Buffer Management and perfect Lip Synchronization, GVC-3000 brings together toll quality voice and high quality video to the users delight. It can send and receive Video at CIF or QCIF resolution, up to 30 frames per second. Through its OSD (On Screen Display) on a 5" LCD, configuring the device, making and receiving calls are extremely user friendly. The low cost of ownership, ease of maintenance, reliability and high interoperability are few of the main features which would enable GVC-3000 as the users choice.

### **SIP Standards compliant and inter operable with the SIP servers world wide:**

GVC-3000 is a class apart with its compliance to latest SIP and RTP standards and the long list of inter operable servers and endpoints, making it almost a plug-n-play device.

### **Video Telephony at a Bandwidth as low as 128kbps:**

With GVC-3000, low bandwidth is no more a constrain. With its minimal requirement of 128kbps, a video call from low bandwidth environments like Home networks is achievable.

### **Excellent Video and Voice Quality on TV:**

GVC-3000 with its ability to connect to a TV brings forth a new experience of watching your near and dear ones interact with you live on TV.

### **Support H.264 Video Encoding and Decoding:**

With its support for the H.264 Codec, GVC-3000 brings excellent quality video at low bandwidths.

### **Tiltable LCD and Camera:**

The LCD can be tilted up to 90 degrees and the camera can be tilted up to 45 degrees. With the combination of camera mounted on the LCD, GVC-3000 gives the user lot of space to decide the best viewing angle for the camera as well as the LCD. The camera lens is adjustable for better focus.

### **Excellent Audio and Video Lip Synchronization:**

GVC-3000 with its intelligent Audio Video Synchronization algorithm shields your call from network problems like packet loss, latency, jitter, etc... to bring you the joy of quality live interaction.

### **Dual Port Ethernet switch:**

GVC-3000 avoids the need for a hub or switch when we have to connect both video phone and PC to the LAN. With its in-built two port Ethernet switch GVC-3000 transparently connects the PC to the LAN.

### **Voice Mail Downloading:**

GVC-3000 can download and play all the messages recorded on the voice mail server configured on it. If the server supports video recording too, then GVC-3000 is capable of downloading and playing video mail.

## Video Features:

- Encoding and Decoding
  - H.264
  - MPEG-4
  - H.263 and H.263+
- Audio and Video Lip Synchronization
- IP Level TOS
- Support CIF and QCIF resolutions
- Up to 30 frames per second
- Picture-in-Picture or Full Screen View
- LCD/TV (NTSC/PAL) out

## Audio Features:

- Encoding and Decoding
  - G.711 Mu Law and A Law
  - G.723.1 5.3 and 6.3 Kbps
  - G.729 AB
- VAD and CNG
- Silence Suppression
- IP Level TOS
- IEEE 802.1q support
- Adaptive Jitter Buffer
- Automatic Gain/Attenuation Control
- G.167 Echo Cancellation for Hands free telephony

## Call Features:

- Two Line Call Support
- Call Hold & Consultation Call Hold
- Unattended Call Transfer
- Call Forward (Unconditional, On Busy & No Answer)
- Call Waiting
- Call History (Dialed, Received and Missed)
- Mute Voice/Video
- Voice Mail Message Waiting / Retrieval
- Phone Book (up to 300 entries)
- Speed Dial
- E.164 Dialing

-Static IP/DHCP/PPPoE support

## Management:

- Password protection for OSD setting
- Fail Safe Firmware Upgrade using HTTP and FTP

## Hardware:

- Freescale i.MX Series Processor
- 64 MB NAND Flash (Expandable to 256MB)
- 64 MB (32MB x 2 IC's) Mobile DDR-SDRAM (Expandable to 128 MB)
- Two port 10/100 Mbps Auto Sensing Ethernet Switch
- 5 inch TFT LCD Display (90 degree tiltable)
- Audio-Video TV-Out Jack
- VGA Camera with manual adjustable focus (45 Degrees tiltable)
- Handset Speaker & Mic and Hands Free Speaker & Mic

## Protocols:

- SIP (RFC 3261) and SDP (RFC2327)
- SIP REFER Method (RFC 3515)
- RTP and RTCP (RFC 1889 and RFC 3550)
- RTP Payload Format for H.263 (RFC 2190)
- RTP Payload Format for H.263 - 1998 (RFC 2429)
- RTP Payload Format for MPEG-4 (RFC 3640)
- RTP Payload Format for H.264 (RFC 3984)
- DTMF Tx/Rx support using In-Band/Out of Band (RFC 2833)
- STUN (RFC 2489) and IP Sharing support for NAT
- SNTP (RFC 2030) for device time

synchronization

- DNS/SRV (RFC 3263)
- DHCP (RFC 2131), PPPoE (RFC 2516), FTP (RFC 959) clients

## External Interfaces:

- RJ-45 for 10/100 Mbps LAN Interface to PC
- RJ-45 for 10/100 Mbps LAN Interface
- Audio/Video out to TV
- Tiltable 5" TFT colour LCD
- Built-in 1/4" CMOS Camera

## LED's:

- Message Waiting (Voice Mail) indication
- Line1 Status
- Line2 Status

## PHYSICAL & ENVIRONMENTAL

### Weight:

- **Gross** : 2.4 Kg's
- **Net** : 1.27 Kg's

### Dimension:

- **Unit** : 82(H) x 255(W) x 236(L) mm
- **Box** : 100(H) x 330(W) x 410(L) mm

### Input Power to Adapter:

- 100 ~ 240 VAC, 50/60 Hz

### Input Power to Unit:

- 5 VDC - 4A Desktop Adapter

### Power Consumption:

- 7.5 Watt Typical (9 Watt Max.)

### Operating Temperature Rating:

- 0° to 45°C

### Storage Temperature Rating:

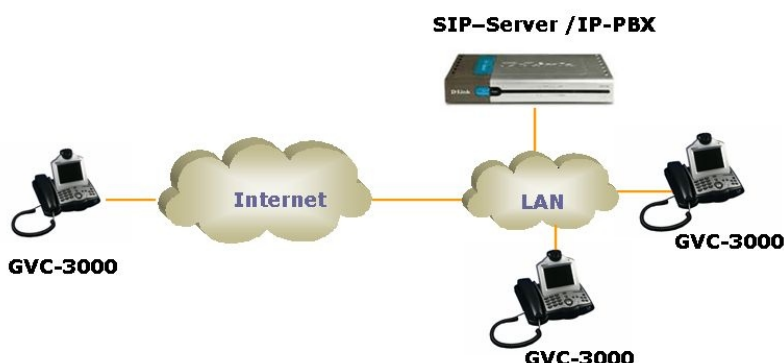
- -20° to 65°C

### Operating Humidity:

- 10 ~ 90% (non-condensing)

### Storage Humidity:

- 5 ~ 95% (non-condensing)



## Ordering Information:

### GVC-3000

SIP Video IP-Phone

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