

# DST B5



B5 is a highly integrated solution for multimedia communications. Supporting standard connectivity and a collection of special features the B5 provides high quality video and audio performance over IP networks.

B5 is a multi-domain, easy-to-use and price competitive multimedia solution which is ideal for a wide variety of applications.



#### Superior video & audio performance makes face-to-face communication easy.

- Supports the latest G.722.1 Annex C/ Polycom® Siren14™ audio technology, providing near CD quality audio effects.
- Automatic echo and noise suppressing and full duplex digital audio technology bring you perfect audio effects.
- Audio AGC allows different speakers being heard clearly from different directions.
- Supports H.323 calls @ 2Mbps, enhanced H.264 performance allows H.264 coding @ 1.5Mbps.

#### User friendly operation and features

- User friendly remote control which is easy to operate.
- Provides multi-language menu to satisfy user requirements from different countries.
- Built-in Chinese input method and TrueType font.
- Supports up to 400 full addresses to be stored in address book.
- Supports remote, web and telephone control.

#### Advanced value-added system functions

- Simple and easy-to-use recording function allows you to record local, remote and dual video streams.
- Supports scrolling message and title name overlay.
- Supports USB camera Plug & Play.
- Standard H.239 technology can be used for real-time video and content communication.
- Supports real-time streaming via multicast, viewing from PC with DST player installed.

#### Flexible working conditions and easy to maintenance

- Supports UPnP for firewall traversal.
- Supports NAT and Firewall, particularly suitable for enterprises environment.
- Supports PPPoE to facilitate ADSL users.

#### Supports almost universal compatibility

- Compatible with H.323 standards based equipment, such as MCU, terminals, H.320/H.323 gateways and gatekeeper.
- Highly integrated, multi-purpose solution.
- Superior compatibility, the B5 is fully interoperable with other manufactures' standard H.323 products.

## DST B5 Specifications

**Supported Standard**

- ITU-H.323 V4

**Other Supported Standards**

- H.225, H.245, H.235 AES
- H.281 FECC
- H.239
- PPPoE

**Video Standards**

- H.261, H.263, H.263+, H.264

**Bandwidth**

- 64Kbps~2Mbps

**Video Resolution**

- QCIF, CIF, 2CIF, 4CIF
- SIF, 2SIF, 4SIF

**Audio Standards**

- G.722, G.711a/u, G.728
- G.722.1 / Siren7™
- G.722.1 Annex C / Polycom® Siren14™

**Frame Rates**

- 12.5fps (64Kbps~320Kbps)
- 30fps (384Kbps and above)

**Video Formats**

- PAL / NTSC

**Network Protocols and Interface**

- TCP/IP, DHCP, ARP, Telnet
- HTTP Remote Management
- 10/100Mbps Base-T Ethernet, RJ-45 interface

**Network Features**

- QoS
- Gatekeeper registration
- Automatic Gatekeeper lookup/registration
- TCP/UDP fixed-port firewall support
- Supports Network Address Translation (NAT)
- Supports UPnP

**User Interface**

- User-friendly graphical interface
- Handheld infrared remote control
- Supports address book
- Built-in Web function, compatible with IE6.0 and above.

**Video Features**

- Dual Monitors, support local/far-end image display concurrently.
- Dual monitor simulation
- Picture In Picture (PIP)
- 16:9 display
- 10 local / far-end camera presets
- Far-End Camera Control (FECC)

**Audio Function**

- Acoustic Echo Canceller (AEC)
- Automatic Gain Control (AGC)
- Automatic Noise Suppression (ANS)

**Self-test Feature**

- IP address conflict warning
- Network status monitoring
- Individual audio input monitoring
- Audio mixing output monitoring
- Audio playback test
- Video color-bar output test

**Caption Display**

- Site name overlay
- Rolling message overlay

**Security Feature**

- Encrypted password for Web
- Ability to disable remote interfaces (Telnet, SNMP, HTTP)
- Password input for the protected conference
- Supports AES Encryption

**Dual Video Feature**

- Up to XGA, Via PC Content\* software (Receive & Send)
- Supports 4CIF, Via CVBS output
- Auto- frame rate

**Video Inputs**

- S-video×1, CVBS×1, USB×1

**Video Outputs**

- S-Video×1, CVBS×1

**Audio Inputs**

- Microphone: 3.5mm stereo jack×1
- Line in: 3.5mm stereo jack×1

**Audio Outputs**

- Speaker: 3.5mm stereo jack×1
- Lineout: 3.5mm stereo jack×1

**Telephone Port**

- Connects with telephone directly, provides power and ring signal.
- Telephone Audio input/output
- Support phone dialing/incoming call ringing

**Microphone**

- Frequency response: 70Hz~16KHz
- Sensitivity: -46dB±2dB
- Output impedance: 100Ω ± 30%
- Power: 9V phantom power supply (Powered by terminal)

**Other Ports**

- USB 2.0×2, 480Mbps
- LAN: RJ-45×1, 10/100Mbps BASE-T
- RS232: DB9×2
- POTS: RJ-11×1
- Power: 12V DC, 5A
- Switch: SW1, On IR receiver on  
Off IR receiver bypassed
- SW2, On Microphone input  
Off Headphone input

**LED Lights**

- Power LED
- LAN link LED
- Wireless link LED
- USB Camera LED
- System LED

**Data Ports**

- Console: RS232, DB9
- Camera control: RS232, DB9

**PTZ Camera (Optional)**

- Powered by terminal
- SONY D31/D100
- Canon VC-50i
- MCC-D80
- Choice way C-918A

**USB Camera plug and play (Optional)**

- Logitech 5000 pro
- Logitech 4000 pro
- Logitech notebook
- Logitech Quick Cam Orbit
- Logitech Quick Cam Fusion

**Directory**

- 400 number local directory
- Speed dial list displaying video buddy list
- Supports speed dial

**System Management**

- SNMP management
- RS232×1 diagnostic port
- Diagnostics and software upgrades via PC, LAN

**Streaming**

- Video feed: Local / Remote
- Supports encryption

**Storage**

- Video feed: Local / Remote/ Secondary Video
- USB storage, Plug & Play (Powered by external power supply)
- Supports all kinds of protocols (Video and Audio)
- Supports converting recorded files into standard .asf format

**WEB Management**

- Built-in Web server
- Web dial, diagnosis and management
- Communication status statistics
- Supports Web monitoring

**Fonts Collection**

- Supports Multi-language (Chinese/English/Japanese)
- TrueType fonts

**Power Supply**

- External power adaptor: 12V DC, 5A
- Adapter Input: 100~240V, 50/60Hz, AC

**Environmental Specifications**

- Operating temperature: 0~40°C
- Operating humidity: 10%~85%
- Storage temperature: -40°C~70°C
- Storage humidity: 10%~95%

**Physical Characteristics**

- Dimension: 9.17"/7.28"/1.73" (233mm/185mm/44mm)
- Pedestal: 8.94"/3.15"/1.18" (227mm/80mm/30mm)

**Stability**

- MTBF (hours) >50,000

**Warranty**

- One-year Video Codec

DSTMEDIA Technology Co., Ltd.

www.dstmedia.com

Email: [intl.sales@dstmedia.com](mailto:intl.sales@dstmedia.com)

Tel: +8610-82085995

Fax: +8610-62357833

**DSTMEDIA**

A Division of  POLYCOM™

Any part of this document including the text, pictures and graphs completely belong to the DSTMEDIA Co., Ltd. Any individuals or associations have no right to duplicate any part of this document without written permission from DSTMEDIA Co., Ltd.

Any trademarks are properties of their respective companies.  
DSTMEDIA Co., Ltd. reserves the right to modify this document.  
Features and specifications are subject to change without notice.

Rev: Jun 13, 2007