

HUAWEI DP300

Executive Desktop Presence



Elegance Combined with Robust Features

Stylish model includes powerful devices: HD camera, microphone, speakers, trend-setting wide touch screen

Simple setup: One power cable easily enables immediate face-to-face video collaboration

Multiple capabilities: Use the large screen as an office computer monitor or transform the display into a telepresence system with the tap of a button

Content display options: Use a projector or a large screen for multiple-party conferences

Views to suit your every need: The reflecting camera mirrors local documents or shares them with remote sites; multiple picture layouts change the point of view to full screen, picture-in-picture, and picture-outside-picture

Innovative Technologies Showcase HD Experience

Screen resolutions up to dual 1080p60fps for a completely immersive presentation

Combines VME2.0 and H.264 HP; bandwidth usage reduced by 50 percent
Intelligent face detection and video enhancement technologies provide outstanding visual communication

Hi-Fi audio provides Advanced Audio Coding-Low Delay (AAC-LD), Acoustic Echo Cancellation (AEC) and Acoustic Noise Suppression (ANS)

Perform Advanced Functions Easily and Efficiently

Voice dialing: DP300 recognizes multiple languages. You can call or join a conference simply by saying the conference or site name

Wi-Fi Access: Built-in Wi-Fi enables DP300 to support wireless network, microphone.

Air content sharing: users quickly share data as presentations or content over either wireless or IP networks without a VGA cable

Huawei DP300 is a high-end, High Definition (HD) videoconferencing desktop endpoint. The system comes fully-integrated with an impressive HD (1080p 60fps) digital camera, High Fidelity (Hi-Fi) speakers, HD microphone, and 27-inch touch screen. The fashionable, sleek design provides you with an unprecedented audiovisual experience.

Live content: More than one site can share full HD content simultaneously, and any site can view any content as needed

Easy navigation controls: Touch screen or remote control mode with a user-friendly interface design enables simple conference initiation and control of other operations by pushing just a single button

Various audio access methods: Connect via Bluetooth headset, wired headset, external microphone, and speaker to clearly hear participants

Outstanding Network Adaptability and Security Mechanisms

Patented Super Error Concealment (SEC) ensures high-quality video experiences even with packet loss at 20 percent

Supports H.264 SVC, adaptable to different bandwidths, device capabilities, and network requirements

Standard H.460 and proprietary SNP technology guarantee secure firewall traversal

H.235 media stream and signaling encryption for SRTP, TLS, and HTTPS

Extensive System Integration

Interoperable with standard endpoints and infrastructures

Integrates with Microsoft Lync2010™ /Lync2013™ and OCS2007R2

Seamless integration with IMS open standard

Embedded MCU (Optional)

Maximum capacity: 4-way 720p30fps video sites + 3-way VoIP sites

Maximum bandwidth: 4 Mbps, 1 Mbps per video site

Universal transcoding: Hybrid HD/SD/VoIP endpoint access; H.323 and SIP endpoints regardless of different protocols and bandwidths

Auto CP on each port, voice activation, chairman token, broadcast a site, H.239 and BFCP

Multipoint conference recording and streaming is enabled with Huawei RSE6500

HUAWEI DP300 Specifications

Components
Standard components: Built-in microphone and speakers, HD camera, codec, 27-inch touch screen, remote control, power
Optional components: Hardware: VPM220 / VPM220W, Software: License supports 1080p60, embedded MCU
Standards & Protocols
Standards and Protocols: ITU-T H.323, IETF SIP
Video Standards & Protocols: H.263, H.263+, H.264 BP, H.264 HP, H.264 SVC, RTV
Audio Standards & Protocols: G.711, G.722, G.722.1*, G.722.1C*, G.728, G.719, G.729A, AAC-LD, HWA-LD
Dual Stream: ITU-T H.239, BFCP
Other Standards: H.225, H.235, H.241, H.243, H.245, H.350, H.460, T.140, DTMF, H.281, H.224
Network Standards & Protocols: TCP/IP, FTP, FTPS, DHCP, SNMP, Telnet, SSH, HTTP, HTTPS with SSL/TLS, PPPoE, RTP, RTCP, SNTP, ARP, 802.1X, 802.1P, 802.1Q
Video Specifications and Features
People Video Resolution <ul style="list-style-type: none">• 1080p60 from 1 Mbps (Optional)• 1080p30 from 512 kbps• 720p50/60 from 512 kbps• 720p 25/30 from 384 kbps• 4SIF/4CIF from 128 kbps• SIF/CIF/QSIF/QCIF/SQIF/SQCIF from 64 kbps
Content Video Resolution: Input: VGA (640 x 480) @ 60/72/75/85 fps, SVGA (800 x 600) 56/60/72/75/85 @ fps, XGA (1024 x 768) @ 60/70/75/85 fps, 1152 x 864 @ 60/75/85 fps, 1280 x 600 @ 60 fps, WXGA (1280 x 768) @ 60/75/85 fps, WXGA (1280 x 800) @ 60/75/85 fps, 1280 x 960 @ 60/75/85 fps, SXGA (1280 x 1024) @ 60/75/85 fps, 1360 x 768 @ 60 fps, 1366 x 768 @ 60 fps, 1440 x 900 @ 60 fps, XGA+ (1400 x 1050) @ 60 fps, 720p @ 60/75/85 fps, 1080p @ 60 fps, 1600 x 900 @ 60 fps, 1600 x 1200 @ 60 fps, 1680 x 1050 @ 60 fps, 1920 x 1200 @ 60 fps Coding/Decoding resolution: 800 x 600, 1024 x 768, 1280 x 1024, 1280 x 720, 1920 x 1080, 1600 x 1200, 1920 x 1200 Output: 800 x 600, 1024 x 768, 1280 x 1024, 1280 x 720, 1920 x 1080, 1600 x 1200, 1920 x 1200
Dual Stream: Dual 1080p60 (Optional); Dual 1080p30; Dual 720p30
Other Video Features: <ul style="list-style-type: none">• Intelligent Face Detection• Picture in Picture• Picture outside Picture• Video Motion Enhancement (VME)• Video Intensifier• View Processing
Audio Specifications and Features
Audio Features: <ul style="list-style-type: none">• Dual-channel AAC-LD Stereo• HWA-LD Stereo: Huawei Audio Broadband Low-delay Stereo• Acoustic Echo Cancellation (AEC)• Acoustic Noise Suppression (ANS) 12 dB• Automatic Gain Control (AGC) ±6 dB• Voice Clear, Audio Enhancer• Lip synchronization
Built-in Camera and Display
1080p HD Camera: <ul style="list-style-type: none">• Video output pixels: 1080p50/60• Zoom: 3X optical• Maximum horizontal angle: 80°horizontal field of view• Supports Document camera mode
Display: <ul style="list-style-type: none">• Size: 27-inch Touch Screen• Resolution: 1920 x 1080 @ 60 Hz• Used as PC monitor as well
Security and Stability
Network: <ul style="list-style-type: none">• Dual-stack IPv6 and IPv4• IP Precedence, Diffserv• Uniform Resource Identifier (URI) dialing• Super Error Concealment (SEC), Intelligent Rate Control (IRC)• Automatic Repeat reQuest (ARQ), Forward Error Correction (FEC), PLC
Security: <ul style="list-style-type: none">• H.235 signaling and media stream encryption• AES media stream encryption, dual-stream encryption• TLS and SRTP for SIP signaling and media stream encryption• Conference access password, conference control password• Administrator password, SSH/HTTPS
Firewall Traversal: H.460.18, H.460.19 firewall traversal, Static NAT, SNP

Bandwidth
IP: 64 Kbps to 8 Mbps
Interfaces
Audio Inputs: 1 x HDMI, 1 x HD-AI (Mic Array/Audio external), 2 x 3.5 mm
Audio Outputs: 2 x 3.5 mm
Video Inputs: 1 x DVI-I, 1 x HDMI
Video Outputs: 1 x DVI-I
USB Interfaces: 1 x USB 2.0
Other Interfaces: <ul style="list-style-type: none">• 2 x 10/100/1,000M LAN• 1 x built-in Wi-Fi• 1 x built-in Bluetooth
COM Interfaces: 1 x RS232 COM
Application Features
Languages: Simplified Chinese, Traditional Chinese, English, Japanese, Russian, French, Spanish, Portuguese, German, Finnish, Polish, Hungarian, Italian, Norwegian, Arabic, Swedish, Romanian, Czech, Turkish, Greek, Thai, Dutch, Malay, Indonesian
Special Features: <ul style="list-style-type: none">• Voice dialing in English and Chinese• USB auto data configuration• Wireless Wi-Fi access• Air content sharing• Wireless Mic VPM220W array• Multi-view: 2-view• Integration with Microsoft Lync2010™ / Lync2013™ and OCS2007R2• Hybrid with IMS network• Lock Site/Conference• SiteCall (HD dual-stream)• Web-based conference management• Web-based image monitoring and HD picture snapshot• 16:9 and 4:3 mixed display• LDAP/Network address book• API for integration
Digital Caption: <ul style="list-style-type: none">• Caption banner, body text and information bar• Rolling display mode of the speech draft• Modifiable font/ background color/transparency• 64 optional colors• Editable caption and auto zone adjustment• Caption rolling mode setting• Site name display and position shift• Text input through remote control• External character generator• Powerful caption SMS function
Maintenance Management
Maintenance Methods: <ul style="list-style-type: none">• Remote control: 3D Effects & GUI Animation• Endpoints Network Management: SNMP• Embedded Web server, GUI interface• Command line mode: Telnet/SSH
Maintenance Functions: <ul style="list-style-type: none">• Endpoint IP and number are displayed on the front panel• Auto sleep, wake-up by remote control or remote module• Event log record, query, and display, and export query results• IP network test, default settings restoration• Local and remote loopback• Test signals providing sound test and standard test stripes
Physical Characteristics
Dimensions: <ul style="list-style-type: none">• Device dimensions (L x W x H): 653.5 mm x 218 mm x 565.3 mm• Package dimensions (L x W x H): 795 mm x 295 mm x 780 mm• Net weight: 18.3 kg• Package weight: 26.8 kg
Electrical: <ul style="list-style-type: none">• Working voltage: 100V AC to 240V AC• Working frequency: 50 Hz to 60 Hz• Power consumption: 120W
Environmental Specifications: <ul style="list-style-type: none">• Operating temperature: 0°C to 40°C• Operating humidity: 10% to 80%• Non-operating temperature: -40°C to 85°C• Non-operating humidity (non-condensing): 0% to 95%• Peripheral noise: < 46 dBA SPL• Lowest luminance: 7 lux• Recommended luminance: > 300 lux
Approval and Compliance: CCC, CE, RoHS, WEEE, REACH, RCM, CoC, VCCI

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