

## Product specifications

### Package contents

- Main system unit (codec)
- The New eCam PTZ III camera
- SVC microphone array
- IR remote control with batteries
- Power supply
- Cables
- Warranty card
- Quick guide

### Communications

- H.323, SIP standards, SIP TLS
- WebRTC (License Required)
- Mixed protocols between H.323, SIP, WebRTC
- Call Quality bandwidth 64Kbps ~ 8Mbps
- RJ45 network LAN (10/100/1000)
- Manual Max. bandwidth settings

### Camera

- eCam PTZ III camera
- 2-megapixel CMOS sensor
- 18X total zoom (12X Optical, 1.5X Digital zoom)
- ±110° pan; +25°/-25° tilt
- 72° FOV (H); 43° FOV (V); 82° FOV (diagonal)

### People video resolutions

- HD1080p (1920 x 1080) , up to 60fps
- HD720p (1280 x 720)
- 480p (848 x 480)
- 4CIF (704 x 576)
- CIF (352 x 288)
- SIF (352 x 240)
- All resolutions at 30fps

### Content video resolutions

- HDMI supported resolutions:  
1080p (1920 x 1080) / 720p (1280 x 720) / D1 (720 x 480) / SXGA (1280 x 1024) / XGA (1024 x 768) / SVGA (800 x 600) / VGA (640 x 480)
- DVI (digital) supported resolutions:  
1080p (1920 x 1080) / 720p (1280 x 720) / D1 (720 x 480) / SXGA (1280 x 1024) / XGA (1024 x 768) / SVGA (800 x 600) / VGA (640 x 480)
- Output resolutions:  
Up to HD1080p (1920 x 1080) up to 60fps

### Video standards

- H.264, H.264 HP, H.264 SVC, H.263+, H.263, H.261
- H.239 dual video streams
- BFCP content sharing
- RTMP for live video streaming
- Forward Error Correction (FEC)
- Anti 30% video packet loss with FEC

### Video features

- 3D denoise

### Video inputs

- Main camera eCam PTZ III
- HDMI for 2nd camera
- DVI-I/VGA for presentation
- HDMI for presentation

### Video outputs

- HDMI x 2

### Audio standards

- G.711, G.722, G.722.1, G.728, G.722.1C, AAC-LD, G.729

### Audio features

- Automatic gain control (AGC)
- Advanced noise reduction
- Acoustic echo cancellation (AEC)

### Audio inputs

- Microphone pickup range of 6m, daisy chain up to 4
- HDMI
- Line-in (3.5 mm)

### Audio outputs

- HDMI x 2
- Line-out (3.5 mm)

### Other supported standards

- H.224, H.225, H.245, H.281, H.323 Annex Q, H.460
- RTP, RTCP, H.350, SRTP, H.235, SNMP, NTP

### User interface

- Single/dual monitor layout styles
- User-friendly OSD (23 supported languages: English, Traditional Chinese, Simplified Chinese, Czech, Danish, Dutch, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese-Brazil, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Vietnamese)
- Display/edit site name

### Network

- 10/100/1000Mbps
- NAT/firewall traversal (H.460)
- High Efficiency Lost Packet Recovery (HELPeR™)
- API support via Telnet
- Wake-on-LAN (WOL) support
- IPv4 and IPv6 support
- Network test
- Quality of service (QoS)
- VLAN (802.1Q / 802.1P)
- EAP 802.1x

### Security

- AES (Advanced Encryption Standard) function (128-bit)
- Password protection for system settings
- Password protection for remote system management

### Web management tool

- Remote management
- Live monitoring
- Firmware update
- Phonebook download/upload/edit
- Restore system settings
- Export call history

### Value-added features

- Meeting recording
  - In meeting and offline recording
  - Save directly to USB flash drive
  - Supports screen re-layout during playback
  - Playback and file conversion via VCPlayer software (.mov and .mp4 format)
- EZMeetup software/App
  - 30-day for free trial (Windows/Mac)

- Connect with H.264 video codec
- Receive resolution up to full HD 1080p at 30fps
- Transmit resolution up to full HD 1080p at 30fps
- Support content sharing, capture and recording

### EZDraw App

- Import JPG, PNG, GIF and BMP files
- Export .PNG files
- A maximum of 10 devices can be connected
- Dual monitor support
- Speed dialing via hot keys (10 sets)
- Camera presets (100 positions)
- Firmware update via USB flash drive
- Screensaver and auto power off mode
- Network Time Protocol (NTP)
- SnapShot
- Group calling
- Supports SIP voice calls
- ScreenShare software (Wirelessly share content)
- VCLink software (Control and Sharing in smartphone)
- VCAssist software (Intelligent Meeting Assistant)
- Dual camera and dual content image by Side-by-Side or Picture-in-Picture
- iSCSI storage device settings
- Built-in SIP server
- High-Res mode
- Support AVer Register Server (ARS)
- Meeting ID method

### Power supply

- AC 100V ~240V, 50/60Hz
- Consumption: EIAJ 12V, 6.25A

### Environmental data

- Operation temperature: 0 ~40°C
- Operation humidity: 20% ~80%
- Storage temperature: -20 ~60°C
- Storage humidity: 20% ~80%

### Physical characteristics

- Package dimensions: 422 x 336 x 374mm
- Package weight: 8.88kg
- Main system (codec): 320 x 267.4 x 37.3mm
- eCam PTZ III: 205 x 205 x 195mm
- SVC microphone array: 144.8 x 128.45 x 27.8mm

### Optional accessories

- Additional microphone
- Camera mount
- USB-to-RS232 converter

### Software options

- 2,4,6,8,10 multipoint license for up to maximum 16 sites
- WebRTC license

### Warranty

- 3+2 year standard warranty\*

\* Please register online to receive free 2 year warranty extension. For detailed warranty information, please contact an AVer representative.

\*\* Built-in 32G recording storage capacity (actual formatted capacity may be less).

\*\* Specifications may vary depending on countries and are subject to change without notice.

# Orbit Series SVC100/SVC500

Full HD Endpoint / 6 Sites Video Conferencing System



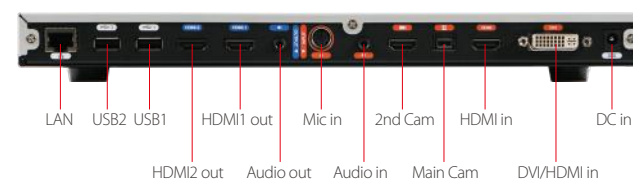
## Hardware specifications

### Front panel



USB3.0

### Back panel



LAN

USB2

USB1

HDMI1 out

Mic in

Audio out

Audio in

Main Cam

DVI/HDMI in

HDMI in

DC in

Distributor/Dealer



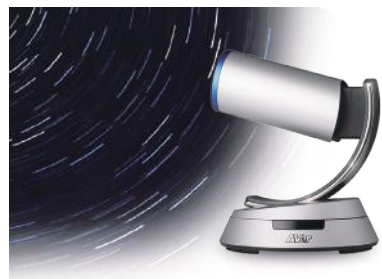
Exclusive multipoint WebRTC connections

Exclusive multipoint connections between three protocols



### Brand New Future ID Design

The SVC series was endowed with a futuristic design; the stylish "orbit" theme can be seen on the camera, codec, microphone, and even the user interface. The SVC series conveys our product concept perfectly; it is the best choice for next-gen work space.



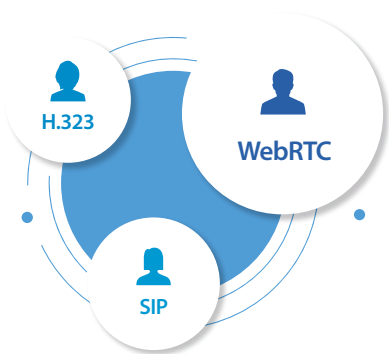
### RTMP for Live Video Streaming

Live streaming functionality is ready in SVC series. You could live stream video conferencing, presentation, speech, lecture, etc. with an easy setup. Furthermore, SVC series thinks one step ahead; the vital recording function is also just a click away.



### Integration of WebRTC, SIP and H.323

The SVC Series now comes equipped with AVer Omni-Protocol Support for WebRTC, SIP and H.323, providing users with more diverse and easy to use collaborative communication possibilities. In addition to Omni-Protocol Support, the SVC is capable of receiving, sharing, and streaming content across all of its connection protocols.



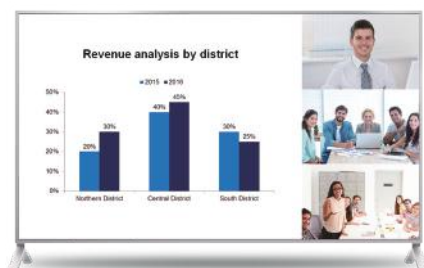
### Built-in 32G Recording Storage Capacity

No more fumbling around for a USB drive when you need to record a meeting; the SVC series is equipped with 32 GB of internal storage. In addition, iSCSI functionality is also available for cloud upload. You will never have to miss another event!



### Supports Dual-Camera/Dual-Presentation

More options are available on the SVC series. Now, you can choose to show the 1st camera, the 2nd camera, or both. The SVC series can also accept input from multiple sources. With two input sources available on the codec, users can choose to use HDMI, DVI/VGA, or both at the same time. The SVC series is capable of providing an unparalleled video conferencing experience!



### Supports License Upgrade up to 16 Sites

SVC series users can take advantage of our license upgrade program to expand up to 16 sites. The system can be expanded easily to meet your company's growing communication needs.

