

AVer Orbit Series

Full HD Video Conferencing

SVC100 Endpoint & SVC500 6-Way Multipoint
Both Upgradeable to 16-Way Multipoint



Package contents

- Main system unit (codec)
- 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, and 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)
- $\pm 110^\circ$ pan; $+25^\circ/-25^\circ$ 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, G729

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

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 and Firmware update
- Live monitoring
- 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
- ScreenShare software (Wirelessly share content)
- VCLink software (Control and Sharing in smartphone)
- VCAssist software (Intelligent Meeting Assistant)
- 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
- SnapShot
- Group calling and SIP voice calls
- 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 max. 16 sites
- WebRTC License

Warranty

- 3+2 year 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).*

eCam PTZ III



Front panel



Back panel



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



©2019 AVer Information Inc. All rights reserved.
All brand names and logos are trademarks of their respective companies.

www.aver.com