

Orbit Series SVC100

Full HD Endpoint Video Conferencing System



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
- Microsoft Lync 2013, Skype for Business 2015
- Mixed protocols among H.323, SIP, Microsoft Lync 2013, Skype for Business 2015
- Bandwidth 64Kbps-4Mbps
- RJ45 network LAN (10/100/1000)
- Manual bandwidth settings

Camera

- eCam PTZ III camera
- 2-megapixel CMOS sensor
- 18X total 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

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

Audio features

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

Audio inputs

- SVC microphone 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
- SRTP, H.235

User interface

- Single/dual monitor layout styles
- User-friendly OSD (22 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)
- 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
 - 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
- VCLink software
- Side by Side of dual camera image
- iSCSI storage device settings

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

License options

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

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



Hardware specifications

Front panel



Back panel

