

NEW PRODUCT  
CEBIT '02



aethra



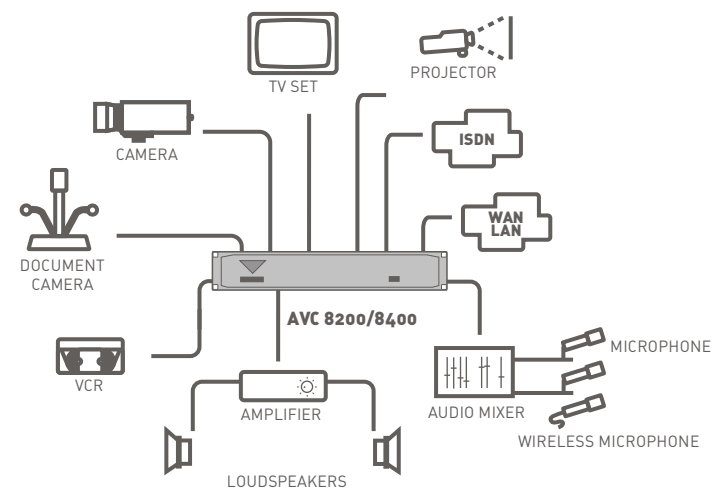
## AVC 8200/8400 CODEC

Events requiring customised audio/video installations can be converted into videoconference sessions with the simple addition of a professional codec unit.

AVC 8200/8400 can be integrated into existing videoconference or personalised solutions and used for vertical applications such as videosurveillance.

AVC 8200 is a high-quality codec system which encodes, transmits and decodes audio/full motion video signals and computer documents. It runs at up to 512kbps over ISDN and 768kbps over IP, conforming to H.320/H.323 standards.

AVC 8400 runs at up to 2Mbps over ISDN and IP conforming to H.320/H.323 standards with high-quality, enhanced video. It is also possible to connect a PC/notebook directly to AVC 8400 to show presentations or any other software applications to all sites.



## TECHNICAL SPECIFICATIONS

### SUPPORTED STANDARDS

- ITU-T H.320: ISDN, leased networks
- ITU-T H.323: IP networks
- Video: H.261, H.263 + (i, J, T, F)
- Audio: G.711, G.722, G.728, G.723.1
- Data: T.120

### FEATURES

- Bit Rate: 56÷512 kbps over ISDN (AVC8200)  
28÷768 kbps over IP (AVC8200)  
56÷2048 kbps over ISDN, IP and leased\* (AVC8400)

- Simultaneous Coding\*
- Simultaneous video motion coding and PC presentations from the XVGA input

- Frame Rate: 30 fps
- Video Resolution: 4CIF 704x576  
FCIF 352x288 pixels  
QCIF 176x144 pixels  
4CIF 704x576 pixels for still images (Annex D)

- Camera remote control: H.281

- | Audio Coding: | Band        | Bit-rate    |
|---------------|-------------|-------------|
| G.711         | 300÷3400 Hz | 56 kbps     |
| G.722         | 50÷7000 Hz  | 48/56 kbps  |
| G.728         | 50÷3400 Hz  | 16 kbps     |
| G.723.1       | 300÷3400Hz  | 5.3/6.3kbps |

### AUDIO FEATURES:

- Echo cancellation, Full Duplex
- Echo Return Loss Enhancement (ERLE): +30 dB
- Automatic Gain Control (AGC): ±12 dB
- Automatic Noise Suppression

### DIGITAL MICROPHONE POD:

- Range: 360°
- Response: 50÷7000 Hz
- Microphones: 3
- Mute Button
- Up to 2 pods in a daisy-chain configuration

### USER CONTROL

- Infrared remote control

### NETWORK INTERFACES

#### Basic Version:

- 4/6\* ISDN BRI 4/6\* RJ-45
- 2 Ethernet 10/100BASE-T with integrated Switch Ethernet 2 RJ-45
- 1 PRI ISDN\* with integrated channel integrator 2 RJ-4
- V.35/RS366/RS449/RS366\* 44p 25 Hi/Den5

### INTERFACES

#### AUDIO/VIDEO INTERFACES

- Video Outputs:
  - Monitor 1: Composite (BNC)  
Y/C (Mini-DIN)
  - Monitor 2: Composite (BNC)  
Y/C (Mini-DIN)
  - Monitor 3\*: Composite (BNC)  
Y/C (Mini-DIN)
  - XVGA\*: DB 15 Hi/Den
- Video Inputs:
  - 2/3\*xCamera: Y/C (Mini-DIN)
  - 2/3\*xCamera: Composite (RCA)
  - XVGA\*: dB 15 Hi/Den

- Audio Inputs:
 

Connection	Level	Connector
– 2xPod mic. 360°	Mic	1RJ-11 6/6
– 3x Mic.	Mic	XLR
– 3xAudio In	Line	RCA
- Audio Outputs:
 

– 4xAudio out	Line	RCA
---------------	------	-----

### AUXILIARY INTERFACES

- Serial Data RS232: 9-pin CANNON
- Serial Diagnostics Rs232: 9-pin CANNON
- 

- Serial VISCA RS232: 9-pin CANNON
- Serial Rs232: 9-pin CANNON
- Infrared Extension Jack Stereo

### PC CARD

- 1 PCMCIA, type III

### USER INTERFACE

- On-screen graphic user interface
- Infrared remote control for full function control
- Contextual help
- Diagnostics and Management Functions
- Call Progress Monitoring

### MULTIPOINT FUNCTION

- Integrated MCU H-320 Function
  - 5 participants @ 128 kbps
  - 3 participants @ 128 kbps
  - 7 participants @ 128 kbps\*
  - 5 participants @ 384 kbps\*
  - 4 participants @ 512 kbps\*
  - 3 participants @ 768 kbps\*

### REMOTE DIAGNOSTICS AND MANAGEMENT

	Local	Web Browser	SNMP
Self Test	Yes	Yes	Yes
Diagnostics	Yes	Yes	Yes
Configuration	Yes	Yes	Yes
Call	Yes	Yes	
Error Tracking	Yes	Yes	Yes

### INTEGRATED PRESENTATION

- Supported Applications: Microsoft®PowerPoint®
- Multimedia Support: T.120

\* AVC 8400 only



**AETHRA TELECOMMUNICATIONS** - [www.aethra.com](http://www.aethra.com)

#### HEADQUARTERS

via Matteo Ricci, 10  
60020 Ancona- Italy  
Telephone: +39.071.218981  
Fax: +39.071.887077  
Video: +39.071.2189701/2/3/4  
Email: [mktg@aethra.com](mailto:mktg@aethra.com)

#### OFFICES

Turin, Milan, Venice, Bologna, Rome, Naples, Palermo,  
Madrid, Paris, Miami, Pittsburgh, Santiago, San Paolo,  
Beijing, Shenzhen, Hong Kong.

© Aethra Telecommunications - All rights reserved  
With the right to modify characteristics  
Code 071071047GB Rev.0 (02/02)