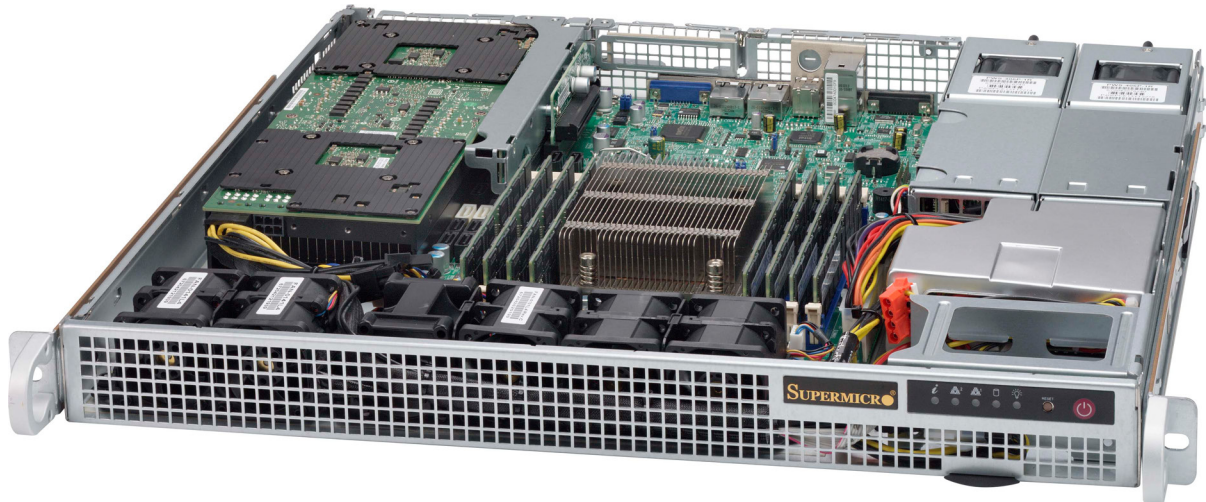




## C200 - CONTRIBUTION APP



Example C-200 platform chassis

### Premium contribution app

The OBE C-200 app allows premium contribution over IP networks over a wide range of bitrates (1-300Mbps) with support for 10-bit 4:2:2 encoding whilst remaining cost-effective, standards compliant and having an ultra-low latency.

Encoding a wide range of contribution services globally, OBE is proven to deliver high quality and low-latency. It is powered by the award-winning x264 encoder with a significantly lower overall cost compared to competitors. The C-200 incorporates uncompressed-over-IP inputs/outputs making it a future-proof encoding/decoding platform.

Available as pure software for IT-centric deployments or as appliances for more traditional setups. There are no restrictions on the encoder chassis, allowing customers to decide on encoder density and power usage. Multiple

feeds can be encoded on a single server, including blade servers, allowing for very high-density encoding. Based on minimum CPU requirements, servers can be bought from existing suppliers or purchased from OBE recommended suppliers.

A modern web interface allowing easy management of the encoder whilst at the same providing SNMP access for integration with existing network management systems.

Integration and support services make sure customers can maximise the benefits of the C-200 platform and deliver the best service to end-users.





## TECHNICAL SPECIFICATIONS

### ENCODING

- MPEG-4/AVC High/High422 Intra up to Level 4.1 (10-bit) up to 150Mbps
- VC-2 HQ encode up to 300Mbps
- Low latency - 120-150ms encode latency

### INPUT

- SDI with format detection
- Uncompressed IP (SMPTE 2022-6/7 and 2110)
- Bars and tone with editable text on signal-loss

### VIDEO

- 1080i @ 25, 29.97Hz. 1080p @ 23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz. 720p @ 50Hz, 59.94Hz, 60Hz. 576i @ 25Hz (PAL). 480i @ 29.97Hz (NTSC)

### AUDIO

- (up to 8 stereo pairs)
- MPEG-1 Layer II audio (MUSICAM)
- AAC-LC (HE-AAC is too high latency)
- SMPTE 302M
- Opus

### ANCILLARY DATA

- CEA-608/CEA-708 captioning
- Teletext (VBI/OP-47/SMPTE-2031)

### MULTIPLEXING

- MPEG Transport Stream with full T-STD compliance

### OUTPUT

- UDP/RTP over IPv4 or IPv6 (multicast and unicast)
- SMPTE 2022 FEC
- ARQ
- DVB-ASI (using onboard IP to ASI conversion)

### DECODING

- MPEG-4/AVC High/High422 up to Level 4.2 (10-bit)

### INPUT

- UDP/RTP
- SMPTE 2022-1 FEC
- ARQ

### AUDIO

- (up to 8 stereo pairs)
- MPEG-1 Layer II
- Opus
- AAC-LC
- AC-3 Passthrough
- SMPTE 302M (including data realignment)

### ANCILLARY DATA

- CEA-608/CEA-708 captioning
- Teletext (VBI/OP-47)

### OUTPUT

- SDI output
- Uncompressed IP output (SMPTE 2022-6/7 and 2110)

### MANAGEMENT

- Modern, easy to use web interface
- SNMP management with provided MIB
- Front panel (appliances only)

### OTHER

- Zixi integration
- VideoFlow integration

