C200 HD. Broadcast.

The in-line digital production console for broadcast
The C200 HD provides flexible channel configurations; with scalable, future-proof solutions from a pool. Some other systems, these are available at all times and not allocated. 48kHz and (optionally) 96kHz operation are available. Processing platform which is optimised for DVD Audio performance.

The C200 HD is an advanced digital production console that expandable for dealing with changes in future production requirements. For some customers this technology has provided enormous backstop PFL overpress protection controls, 4-character grouping display, input signal meter and AFL and PFL - stereo or surround panning with dedicated large and small input balance, independent variable mix. Master Sweet Spot Bay to access all available processing channels. 'virtual bays' may be swapped with the master bay, giving access to all channels from the optimum listening position. Audio Follow Video (AFV) minus outputs.

Broadcast/live production

C200 HD builds on the broadcast benefits of SSL’s v5+ working environment: a comprehensive range of broadcast-specific features and dedicated DSP processing platform which is optimised for DVD Audio performance.

Audio quality

The C200 HD provides a broadcast environment, audio quality, is in heavy configuration. The C200 HD benefits from SSL’s unique processing concept, which offers a comprehensive range of broadcast-specific features, including SSL’s 4000 ‘G’ and ‘E’ Series and notch filter for dealing with changes in future production requirements.

Automation and console functions such as ‘Servo’ (moving fader) or ‘VCA style’ fader grouping modes, according to the type of control they are most comfortable with. Audio Follow Video (AFV) - stereo or surround panning with dedicated large and small input balance, independent variable mix. Master Sweet Spot Bay to access all available processing channels. 'virtual bays' may be swapped with the master bay, giving access to all channels from the optimum listening position. Audio Follow Video (AFV) minus outputs.

Dynamic, Automotive control

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Broadcast Features

Service and support

- Hot-swap fader cassettes for transparent servicing.
- Front panel design allows access to all serviceable parts from the front of the console.
- Quick-release component mechanisms for simple maintenance.
- Local and remote diagnostics for real-time monitoring and troubleshooting tools from any location.
- SSL service and support.

Mobile configurations

Fit 48 channel strips (105 faders) across 2.34m (92"
with the C200 HD Mobile

For easy installation into remote vehicles, the C200 HD 'Mobile' console reduces the overall width of the desk by 387mm, and enables 48 channel strips to fit across the width of any standard truck. To achieve this, the standard dual width centre section is reduced to single width.

Essential Production Features

Flexible frame configurations provide extensive mixing capacity from a compact control surface

- Virtual Bays access all processing channels by swapping “hidden” channels into the sweet spot master bay.
- Frame customisation options enable DAWs to be housed within the console frame for an ergonomic mixing/editing solution.

Integrated machine control removes the need for an external synchroniser system

- 4-port SD & HD machine control system with advanced control and offset options.
- Dedicated timecode memories provide fast autolocation to any point in the scene.
- Trackball, keyboard and video switching from console to DAW enables the operator to move seamlessly between mixing and editing operations.

Scene-based automation, designed for mixing to picture

- Non-linear dynamic automation enables the operator to write moves at any speed.
- Join allows you to easily rehearse and write settings for a scene.
- Off-line editing functions provide tools for dealing with scene re-ordering or removal.
- Project re-configuration enables mixes to be switched in seconds.

Multi-format channels, bussing and monitoring for multi-stem applications

- Parameter linking across multiple channels allows processing to be applied simultaneously across all legs of a multi-channel source, e.g. 5.1 stem.
- Unique PanPoint™ operation provides precise surround panning control.
- 5.1 and stereo monitoring system, with external source summing to combine Music, Dialogue and Effects stems.

Variable sample rate support provides operation at pull-up or pull-down frequencies

- Operate at 44.1kHz, 48kHz, 88.2kHz or 96kHz, or any 0.1% pull-up/pull-down derivative.
- All digital I/O are fitted with 24-bit sample rate conversion to handle multiple sample rates.

broadcast specific operation includes:

- Simultaneous Mains, Minis and PFL monitoring for complex production management.
- Status Lock for disabling potentially destructive console functions such as Solo-in-place, Dynamic Automation and console status changes.
- In-line architecture provides large amounts of channel, mix minus, clean feed and multi-track send flexibility.
- Integrated digital routing for fast and efficient source handling, and selective reset control provides the ability to handle complex production requirements.
- Freely assignable mono and stereo channels for flexible console layouts.
- Mono Left and Mono Right enable the operator to react quickly to unexpected changes in a stereo feed.
- Backstop PFL enables the operator to pre-fade listen any input by simply pulling back on the channel fader.
- Dedicated signal level meter on every large fader for clear visibility of signal presence.

Weight and rack space savings

Weight savings are made through careful front panel construction and the opportunity to remove the console's legs and use mounting beams for support. All Channel and Mix DSP, I/O and GPI options are contained within a single 15U rack-mounted Centuri core. Remote controlled stageboxes handle either 24 or 48 mic inputs per unit, with interference-free multimode fibre optic connections to the truck.
With demand for television programmes and DVD content on the increase, SCI felt it was time to upgrade its main vehicle so that it was better placed to cope with 5.1 surround sound productions. The C200 HD was an ideal console choice because it is very compact and can be tailored to fit into small spaces such as a mobile studio.

The Fox on-air promotion department is a high-volume production group that creates hundreds of promos per week. Their C200s are integrated with hard disk editing systems to provide a truly re-settable random access environment. Reliability and efficiency are essential to producing this volume of production output.

### Physical and Environmental Specification

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<table>
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<tr>
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<tbody>
<tr>
<td>Max Height</td>
<td>1124mm (44.25&quot;)</td>
</tr>
<tr>
<td>Max Width (see diagram)</td>
<td></td>
</tr>
<tr>
<td>Each channel bay adds</td>
<td>334mm (13.15&quot;)</td>
</tr>
<tr>
<td>End trim adds</td>
<td>128mm (5.04&quot;)</td>
</tr>
<tr>
<td>Max Depth</td>
<td>1144mm (45.04&quot;)</td>
</tr>
<tr>
<td>Height Adjustment</td>
<td>±22.5mm (8.9&quot;)</td>
</tr>
<tr>
<td>Weight (48 channels)</td>
<td>~354kg (~780lbs)</td>
</tr>
<tr>
<td>Each (inc. Centre) adds</td>
<td>~408kg (~88lbs)</td>
</tr>
<tr>
<td>Legs add</td>
<td>~33kg (~73lbs)</td>
</tr>
<tr>
<td>Power (40ch with 100-240V AC)</td>
<td>&lt;1.2kW</td>
</tr>
<tr>
<td>Continuous (dependent on frame size)</td>
<td>Convection (silent)</td>
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### Solid State Logic

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