The 3020X CCS Conferencing Control System is a fully modular voice conferencing system providing more than 99.999% availability providing the largest conferencing capability in the market.

More than 500 members can participate simultaneously in any individual conference, and over 500 hundred conferences can be hosted at the same time. The system is designed for safety-of-life and mission-critical operations and has been installed in critical facilities like the Federal Aviation Administration (FAA) Command Center at the core of its Air Traffic Flow Management (ATFM) operation, and the NASA space operations centers in Houston, Goddard, and the Kennedy Space Center.

FULLY NON-BLOCKING VOICE CONFERENCING FOR 8,000 CHANNELS

A freely customisable user interface allows complete workflow optimisation. The role-based homepage provides access to over 90% of all functions with no more than two clicks. This increases operator effectiveness by 90% over other systems.
**PRODUCT KEY DATA**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voice Channels</strong></td>
<td>&gt; 8,000 non-blocking, fully redundant, without interruption</td>
</tr>
<tr>
<td><strong>Operator Positions</strong></td>
<td>&gt; 200 operator seats</td>
</tr>
<tr>
<td><strong>Conferences</strong></td>
<td>&gt; 580 full-duplex, simultaneous conferences</td>
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<tr>
<td><strong>Switching Bandwidth</strong></td>
<td>&gt; 600 Mbit/sec</td>
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<tr>
<td><strong>Interfaces</strong></td>
<td>Digital E1 (PRI), T1 [CAS/CCS], T1 [PRI], Analog FXS/FO, 4-wire SF, analog FAA types, Voice-Over-IP (SIP/RTP)</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>Up to 95% non-condensing</td>
</tr>
</tbody>
</table>
| **Temperature** | Operating: 5 – 40 °C  
Non-operating: 5 – 40 °C                                                        |
| **Audio Compression** | 300 – 3000 Hz, max. -9 dBm ± 1 dB into 600 ohms                                |
| **Voice Quality** | Meets ANSI S3.2-1989, Toll Quality                                            |
| **Availability** | > 99.999%, less than 5 minutes/year downtime                                    |
| **Tone Notching** | Notching of unwanted tones within 300 - 3000 Hz                                |
| **Voice over IP** | Ethernet 802.3U, RFC3261 SIP, UDP/RTP                                           |
| **Electrical Safety** | EN60950/UL60950                                                              |

**PRODUCT HIGHLIGHTS**

- Commercial off-the-shelf, fully digital voice conferencing tool
- Large scale conferencing features (ad hoc, meet-me, progressive, preset)
- Telephone and intercom features blast-out (transfer, hold, barge, override, etc.)
- Total non-blocking design
- Designed for 24/7/365 operation
- Custom user interface optimises conference management experience
- Ergonomic position design allows positional flexibility
- Broad built-in-test (BITE) functions reduce maintenance time
- 20+ years manufacturer support protects investment
- Designed for in-field technology refresh