



Te Pae Christchurch Convention Centre HYBRID EVENTS GUIDE



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1. HYBRID EVENTS

Extend the reach of your event with our customised online solutions. Te Pae Christchurch Convention Centre has a range of offerings from full studio set-ups to single point-of-view (POV) livestreaming options to make sure your event reaches your audience.

To discuss bringing your event to an online platform, please contact your Event Coordinator.

1.1. Our Offerings



1.2. Our Packages



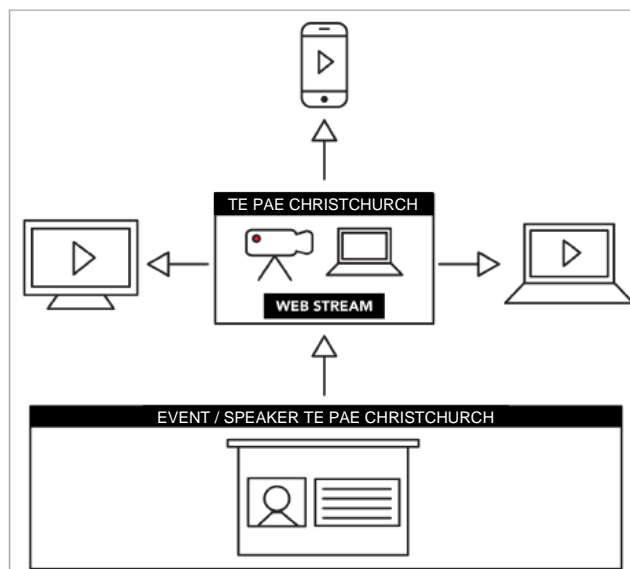
2. LIVE STREAMING AT TE PAE CHRISTCHURCH

Livestreaming is a one-way broadcast from a location out to several platforms for users to view your content and is a fantastic way for your audience to connect and view your event regardless of their geographical location. Livestreaming is like a live television broadcast in the fact that live content within a venue is sent out over the internet to your audience. Large or small events can be integrated with our livestreaming offerings to create a truly immersive event experience. All services are provided in a safe and secure manner utilising the latest cyber security innovations.

2.1. Our Platforms

At Te Pae Christchurch we have a number of online platform partners meaning we can offer the correct platform for your event. The first question we ask is, how do you want your content delivered? Would you like it to be available to anyone on the web or restricted to registered attendees? Our solutions make sure you can deliver your event seamlessly. Some of our platform offerings are:

- YouTube
- Web ninja
- Cisco WebEx
- Microsoft teams
- Zoom
- Facebook Live.



2.2. How it Works

- Any event held at the centre can utilise our livestreaming offerings to deliver your event to your audience
- Livestreams can be viewed by anyone in the world and can be saved to be played back at a later date
- Presentations can be integrated with livestreams so audiences can see all relevant content
- Additional second screen technologies can be deployed if required.

3. REMOTE PRESENTATION

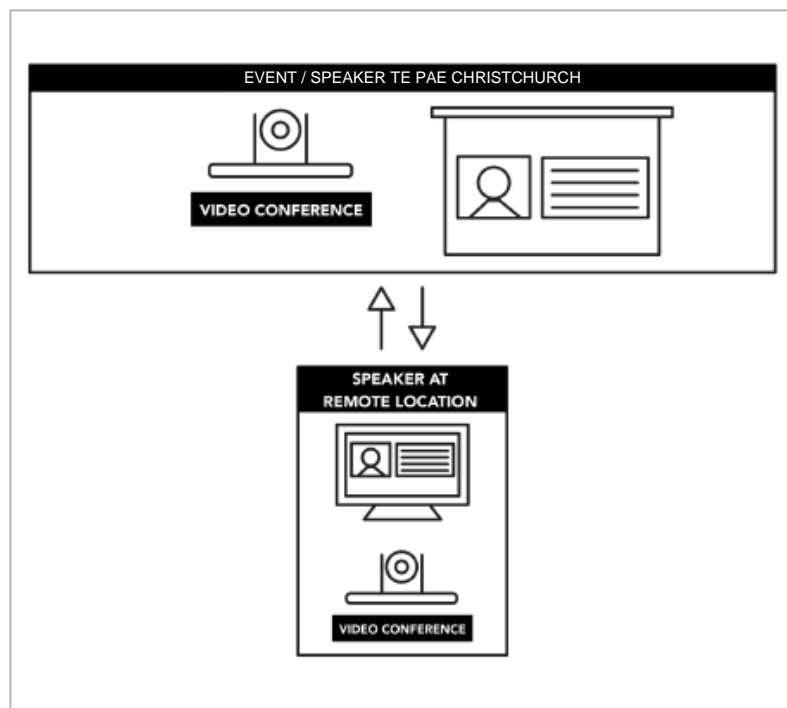
We can provide site-to-site connectivity to an offsite location or beam into an event anywhere in the world. Our platforms are fully integrated to maximise speaker engagement and audience participation.

3.1. Our Platforms

- Zoom
- MS Teams
- Cisco or Polycom
- Google hangouts
- Skype
- Our AV Production Team can tailor solutions to fit your needs.

3.2. How it Works

- Events held at Te Pae Christchurch can be connected to locations around the world
- The centre's video conferencing units utilise soft codecs that allow for a range of different platforms
- Presentations can be integrated into video conferencing to provide a fully immersive experience
- Video conferencing can be used in any space within the centre.



4. VIDEO CONFERENCING

Our video conferencing services offer two-way communications from any location. Providing connectivity to several remote locations, our services allow for multiple destinations to be streamed to anywhere in the world. Our services are robust and extremely reliable and able to maximise audience participation for a seamless world class event.

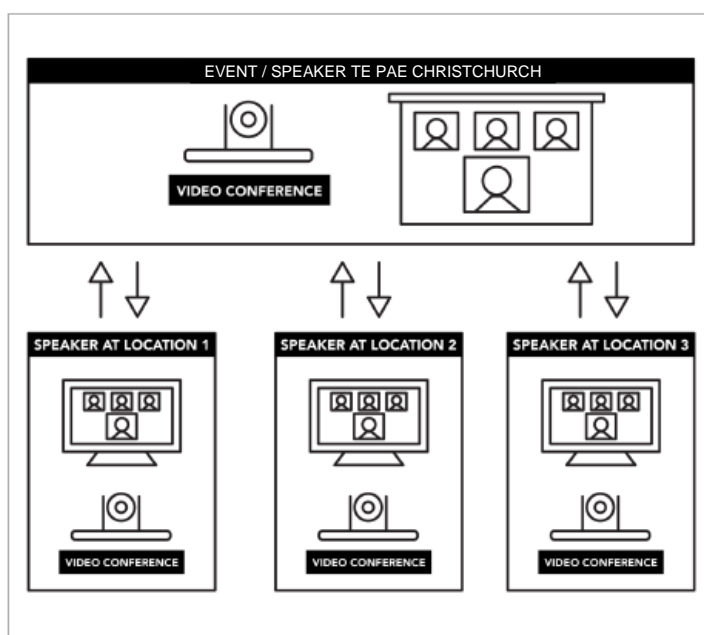
Video conferencing is an ideal way to integrate off-site speakers into your event.

4.1. Our Platforms

- Zoom
- MS Teams
- Cisco or Polycom
- Google hangouts
- Skype
- Te Pae Christchurch can work with most existing video conferencing providers to achieve seamless delivery.

4.2. How it Works

- Events held at Te Pae Christchurch can be connected bi-directionally to external locations around the world
- The centre’s video conferencing units utilise soft codecs that allow for a range of different platforms
- Presentations can be integrated into video conferencing to provide a fully immersive experience
- Multiple camera/video feeds can be displayed on one screen in each location
- Video conferencing can be used in any space within the centre.



5. WEBINARS

A **webinar** is an engaging online event where a speaker, or small group of speakers, deliver a presentation to a large audience who participate by submitting questions, responding to polls and using other available interactive tools.

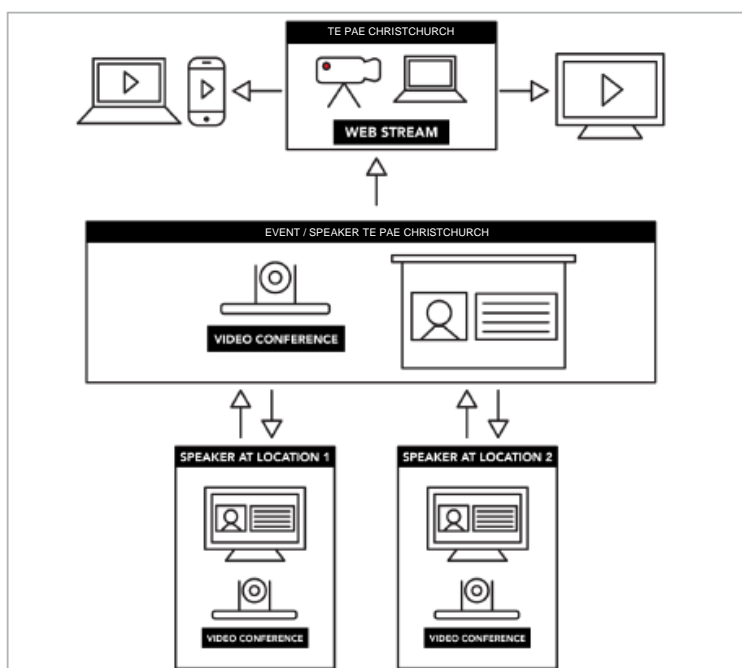
Our digital platforms allow for maximum audience participation and audience engagement.

5.1. Our Platforms

- Zoom
- Web ninja
- Demio
- Webinar jam
- Te Pae Christchurch can work with most existing platforms to achieve seamless delivery.

5.2. How it Works

- Events held at Te Pae Christchurch can be connected via the web to audience members around the world
- Webinars give the ability for audience members to ask questions, answer polls and interact with presenters
- Presentations can be integrated into video conferencing to provide a fully immersive experience
- Multiple camera/video feeds can be displayed on one screen in each location
- Video conferencing can be used in any space within the centre.



6. VIRTUAL EXHIBITIONS

What is a virtual exhibition? A virtual event is an online version of a physical event, with added features and therefore, added value that differs from platform to platform. Virtual events are a great way to connect audiences globally using chat tools, live webinars and digital content usually served via a visually rich interface. There have been several high-profile events that have utilised virtual exhibition components.

6.1. Our Platforms

- Vfair
- Hexafair
- V-ex
- E-expo

6.2. How it Works

- Exhibitions held at Te Pae Christchurch can be connected via the web to audience members around the world.
- Virtual exhibitions give the ability for audience members to ask questions, interact with exhibitors and browse stall holders' offerings.
- Presentations can be integrated into virtual exhibitions to provide a fully immersive experience.



7. PACKAGES

Our AV Production team is available to support with tailor made solutions. Our packages below are indicative of what is available. Te Pae Christchurch is flexible, meaning any packages can be customised to ensure your requirements are covered to provide a world class event.

7.1. 3-Camera Set-up Standard

- 3 x 4k pro camera chains
- 4 channel vision mixer
- VT playback
- 1 x graphics engine
- 5m x 3m led screen
- Standard stage and furniture
- Standard streaming to multiplatform (fb live, YouTube, RTMP)

7.2. 4-Camera Set-up Standard

- 4 x HD Broadcast camera chains
- 12 channel vision mixer
- 2 x VT playback
- 2 x graphics engine
- 5m x 3m led screen
- Standard stage and furniture (optional sets pick 1)
- Standard streaming to multiplatform (fb live, YouTube, custom RTMP)
- Redundant internet stream

7.3. 4-Camera Set-up Deluxe

- 4 x HD Broadcast camera chains
- 12 channel vision mixer
- 2 x VT playback
- 2 x graphics engine
- 5m x 3m green screen
- Deluxe lighting package
- Standard stage and furniture (optional sets pick 1)
- Standard streaming to multiplatform (fb live, YouTube, custom RTMP)
- Redundant internet stream

7.4. Virtual Exhibition

- 20 booth virtual exhibition
- 1 live day
- 1 month on demand hosting
- 10 sessions (live or semi-live)
- Lobby, hall, auditorium and help desk
- Set-up of exhibition back-end.

7.5. Standard Crewing

- 1 x floor coordinator
- Required camera operators
- Vision mixer
- Vt operator
- Director
- Lighting tech
- Audio tech

APPENDIX 1 – VIRTUAL EVENT FURNITURE OPTIONS

CONTEMPORARY

Chester Sofa and Armchairs (x2) - Black Velvet

Oscar Coffee Table - White Wire

Finn Side Table (x2) - Black



LEATHER OPTION (OS INFO)



HAMPTON

Hampton Sofa and Armchair (x2) - White Frame / White Cushion

Mode Coffee Table - White Frame / Ash Wood Top

Cushions (X4)



Extras

Louis Bar Stool (x4) - Black Velvet

Oscar Bar Stool (x4) - Black Wire with Black or Black and White Stripe Cushion



APPENDIX 2 – EQUIPMENT SPECIFICATIONS

Camera specifications

| | |
|--|--|
| Pickup device | 3-chip 2/3-inch type CCD |
| Effective picture elements (H x V) | 1920 x 1080 |
| Signal format | 1080/50i, 59.94i, 23.98P, 24P, 25P, 29.97P 1080/50P*, 59.94P* 720/50P, 59.94P |
| Spectrum system | F1.4 prism system |
| Lens mount | Sony bayonet mount |
| Built-in filters | CC: A: CROSS, B: 3200K, C: 4300K, D: 6300K, E: 8000K ND: 1: Clear, 2: 1/4ND, 3: 1/8ND, 4: 1/16ND, 5: 1/64ND |
| Sensitivity (1080/59.94i) | F10 at 2000 lx (3200K, 89.9% reflectance) |
| Signal-to-noise ratio | 56 dB/64 dB (w/NS max.) (1080i, typical) |
| Horizontal resolution (1080/59.94i) | 1000 TV lines (at centre) |
| Shutter speed selection | 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000 s (1080/59.94i) 1/60, 1/125, 1/250, 1/500, 1/1000, 1/2000 s (1080/50i) |

INPUT/OUTPUT CONNECTORS

| | |
|--------------------------|---------------------------|
| Audio input (CH1) | XLR-3-pin (female) |
| Audio input (CH2) | XLR-3-pin (female) |
| Mic 1 input | XLR-3-pin (female) |
| SDI 1 output | BNC type HD-SDI |
| SDI 2 output | (without embedded audio) |
| Earphone output | Stereo mini jack |
| CCU | Electro-optical connector |
| Intercom 1 | XLR-5-pin (female) |
| Intercom 2 | XLR-5-pin (female) |
| Remote | 8-pin |
| Lens | 12-pin |
| Viewfinder | 20-pin |

Vision mixer specifications

Technical Specifications

- Video Processing: 4: 4: 4 (Y/Pb/Pr / RGB), 10-bit /4: 2: 2 (Y/Pb/Pr), 10-bit
- Video Formats:
 - SDI – 1080/59.94p, 1080/50p
 - HDMI – up to 1920 x 1200/60
 - Output Refresh Rate is 75Hz when frame rate is set to 50Hz

- Video Effects:
 - 4:2:2 Processing:
 - M/E – 1M/E, 1.5M/E, 2 M/E (9 types)
 - Transition – Mix, NAM, FAM, Cut, Wipe
 - Composition (Keyer) – 4 (PinP, Luminance Key, Chroma Key, External Key)
 - AUX – 2
 - Others – Output Fade, Output Freeze, Output Capture, Composition Edit, SDI Output Patchbay
 - 4:4:4 Processing:
 - M/E – 1M/E, Matrix, Scaler
 - Input – 4 (4:2:2 Processing outputs x 2, HDMI Input 3, HDMI Input 4)
 - Transition – Mix, Cut
 - Composition (Keyer) – 1 (PinP, Luminance Key)
 - Others: HDCP Supported, Output Fade, Output Cropping, Signal Generator
- 2 x Still Image Inputs
- 16 x Still Image Internal Memory (.bmp or .png file types)
- MULTI-VIEW 1 (4:2:2 Processing): 16/10 screens, Label, Tally (HDCP Supported)
- MULTI-VIEW 2 (4:4:4 Processing): 4 screens, Label, Tally, OSD Setup Menu (HDCP Required)
- Video Inputs:
 - 10 x 3G/HD-SDI Inputs
 - 4 x HDMI Type A Inputs (HDCP and Multi-format Supported on 3+4 only)
- Video Outputs
 - 6 x 3G/HD-SDI Outputs
 - 4 x HDMI Type A Outputs (Multi-View 1 = 4:2:2, Multi-View 2 = 4:4:4)
- Audio Processing: Sampling Rate – 24 bits/48 kHz
- Audio Inputs:
 - 4 x 3G/HD-SDI Inputs (Channels 7 – 10)
 - 4 x HDMI Type A inputs
 - 2 x XLR-3 Analogue Audio Inputs (or AES/EBU)
- Audio Outputs:
 - 4 x 3G/HD-SDI Outputs
 - 2 x HDMI Type A Outputs
 - 2 x XLR-3 Analogue Audio Outputs (or AES/EBU)
- Audio Format: Linear PCM, 24bits, 48kHz (SDI = 16 CH, HDMI = 2 CH, AES/EBU = 4 CH)
- Audio Effects
 - Patchbay: 92 inputs x 92 Outputs
 - Delay: 16ch
 - Mixer: 16ch
 - Channel Effects: 3-Band EQ, Delay Master
 - Master Effects: Mastering, 3-Band EQ, Reverb
- 2 x Expansion Slots (The video a maximum of 2 inputs 2 outputs and the audio a maximum of 16 inputs 16 outputs can treat in 2 slots total)
- BNC Reference Input and Output
- 1 x Male RS-232: DB-9 Type connector for Remote Control
- 1 x Female RS-422: DB-9 Type Connector for VISCA Control
- 1 x TALLY/GPIO: Female DB-25 Type Connector
- 1 x USB Type A Port (USB Memory)
- 1 x RJ45 100Base-TX LAN Port
- 2 x Banks of 16 User Function Buttons
- 8 x Last Memory Functions
- Remote Controller: V-1200HDR Control Surface
- V-1200HD RCS (Control Software) available on Windows7 or later / Mac OSX
- Power Supply: DC 24V, XLR-4-32 type

GFX specifications

- CasparCG Server is a Windows and Linux software used to play out professional graphics, audio and video to multiple outputs as a layer based real-time compositor. It has been in 24/7 broadcast production since 2006. This free software is used by most broadcasters in Europe.

VT specifications (Qlab)

- Full-screen or custom geometry for video cues
- Fade and animate videos
- 1000 layers of video
- Masking and edge-blending across multiple projectors
- Warping and keystone correction
- Basic video effects
- Live camera input with the camera cue
- Syphon input and output
- Blackmagic input and output
- Text and titles with the text cue.