

# Vancity Theatre: Technical Specifications

Welcome to the Vancity Theatre technical information page. We are proud to offer equipment, services, and expertise rarely found in cinemas anywhere. The following describes these services and equipment in detail. Rental rates depend on the technical requirements of the client. Please inquire when booking your event. It is also possible to bring in additional equipment as needed (additional charges may apply). If you do not find what you need in the following pages, please ask and we will do our best to accommodate your needs.

## **FILM PROJECTION (35mm)**

- 2 x Kinton FP-30D Variable Speed Film Projectors (16, 18, 20, 22, 24, 25 frames per second capability)
- Schneider Super Cinelux Lenses
- Analogue and Digital Soundhead Readers Equipped With Visible LED's For Cyan Track Operation
- Each Projector Outfitted With Shaft Encoders For Bi-Phase Operation and Double System Screenings
- Supports the Following Picture Aspect Ratios: (1.37, 1.66, 1.78, 1.85, 2.39 (Cinemascope))
- 20 min. or 60 min. Reel Changeover Operation For Maximum Flexibility and Print Care
- Each 35mm Projector uses a 3000 Watt Kinton Xenon Lamphouse and Irem power supply, easily meeting the industry reflected light requirements of 16 foot lamberts

## **FILM PROJECTION (16mm)**

- 1 x Hortson "Languedoc" 16mm Film Projector
- Speed capability of 24 or 18 frames per second
- 1600 Watt Kniesley "Pup" Xenon Lamphouse and Irem power supply
- Ability to run feature length programs on a single reel
- Cinemascope Lens Adapter

## **VIDEO PROJECTION (THEATRE - DLP)**

- Christie S-9 Roadster, 3-Chip DLP, 8500 Lumens with 1700 Watt Xenon Lamp
- Inputs: HD-SDI, Component, S-Video, YC, Composite, Personal Computers
- Active Switching Between Video Sources
- Active Switching Between Computer Sources (up to four laptops)
- Sony DSC 1024HD Scan Converter & Digital Scaler Interface

## **VIDEO PROJECTION (THEATRE - LCD)**

- Christie LX-66a LCD Projector, 6500 Lumens
- Inputs: DVI-D, RGB Analogue, 2 x Component Analogue, S-Video, Composite Video

## **VIDEO PROJECTION (CAFE)**

- Christie Roadie LX-65 LCD Projector, 6500 Lumens
- Ability to Patch A/V Performances between Theatre & Cafe
- Ability to project content to rear projection screen facing Seymour Street

## **VIDEO PLAYBACK SOURCES**

- Sony MSW M2000 Digital Video Cassette Recorder Which Supports:
  - Digital Betacam, Betacam SP, Betacam SX, IMX MPEG (PAL and NTSC)
- Sony DSR-11 DVCAM and Mini-DV Player/Recorder (PAL and NTSC)
- Sony HDV 1080i Player/Recorder (PAL and NTSC)
- Samsung Region Free VHS Player/Recorder
- 720p Upconverting DVD Player
- HD Playback Decks can be rented as needed

## **AUDITORIUM STAGE END**

- MDI Matte White Perforated Screen (32'-3" x 19'-1")
- Variable 4-Way Moveable Black Non-Reflective Masking Legs
- Portable Stage Platforms in front of the screen for live performances/presentations
- Stage Dimensions: Four 4' x 8' sections for flexible configuration
- Beautiful Lift (Waterfall) Curtain
- Podium/Lectern With Adjustable Height, Light and Microphone

## **A/V PATCHING AT STAGE END**

Access to the installed or portable sound systems and video projectors is available at the front of the theatre near the podium/lectern as follows:

- 11 Analogue Audio Patch Channels
- Ethernet connections for access to the internet, and communication to projection booth
- Wireless internet
- 5 x BNC connectors for laptop connection to video projectors (via VGA or DVI breakout cables)
- 4 channel, 8 channel, and 24 channel audio snakes

## **INSTALLED LOUDSPEAKER SYSTEM - FILM & VIDEO**

- 3 x JBL 4632 3-way Screen Channel Loudspeaker Systems
- 2 x JBL 4642A Subwoofer Cabinets (four 18" transducers total)
- 12 x JBL Surround Speakers (main floor)
- 8 x JBL Surround Speakers (balcony)
- 2 x Electro-Voice Sx A100 Self Powered Loudspeakers mounted behind the screen, independent of the house film sound system for live performances
- 9 x QSC DCA Series Professional Power Amplifiers

## **INSTALLED AUDIO PROCESSING SYSTEM - FILM & VIDEO**

- CP-650D Dolby Cinema Processor Supports the Following Film Sound formats:
  - Dolby Digital 5.1 w/Surround EX
  - Dolby Digital 5.1
  - Dolby SR (Analogue Pro-Logic)
  - Dolby A-Type (Analogue Pro-Logic)
  - Academy Mono (Analogue)
  - 6-Channel Magnetic
  - 16mm Mono
  - Ultra Stereo Infra-Red Hearing Impaired System with Portable Headsets
- Dolby Digital Media Adapter Supports the Following Non - Film Sound formats:
  - External 5.1 channels of discreet analogue or digital audio inputs. (Supports Dolby Surround EX)
  - Dolby Pro Logic Decoding of Encoded Left Total/Right Total analogue or digital sound sources
  - Dolby SR or A-Type Noise Reduction can be applied to external Lt Rt sources if required
  - Dolby E Decoding for Broadcast 5.1 High Definition and Digi-Beta Sound Sources
  - Dolby Digital Consumer 5.1 decoding for Dolby Digital Encoded DVD's, etc.
  - 8 channels of AES/EBU Analogue to Digital & Digital to Analogue Conversion
  - AES-3 to AES EBU Digital Audio Conversion

## **PORTABLE SOUND EQUIPMENT**

- 16 channels of Balanced - Unbalanced Audio Conversion
- 16 channels of Transformer Isolated Audio for long unbalanced signal runs (usually from stage end)
- 2 x 6 channel Double Head Sound Switching Box for seamless changeover operation of unmarried 35mm film prints
- 4 x Audio Technica Wireless Lav Microphones
- 4 x Audio Technica Wireless Hand Held Microphones
- 7 x Audio Technica Pro Goose Neck Table Mics with Mute Bases
- 2 x Shure Beta Microphones
- Mackie CFX12 MKII Mixing Console
- Yamaha 01v Digital Mixing Console
- 2 x Electro-Voice Sx A100 Self Powered Loudspeakers With Stands

## **SOUND EQUIPMENT - ATRIUM**

- Mic/Line Mixer which supports up to six microphones and four stereo sources
- Wireless Mic Capability
- 6 Wall Mounted JBL Loudspeakers

## **LIGHTING**

- Theatrical Lighting inside auditorium for presentations, interviews, panel discussions, and live performances
- ETC SmartFade Lighting Console
- Follow Spot Light

## **EXTRA AC POWER SERVICE FOR TEMPORARY EQUIPMENT**

- 120V 20A power outlet in projection booth
- 208V 20A power outlet in projection booth
- 208V 15A power outlet in projection booth
- 8 separate 120V 15A circuits inside auditorium

## **INTERNET ACCESS**

- Wireless internet inside auditorium and atrium cafe
- Access to internet via Cat. 5 inside auditorium and atrium