

# DJ Streaming Setup

**configuration | 4 Camera music/video production system**

*Live Streaming / Video Production*



PTZOptics | 152 Robbins Rd | Downingtown, PA | 19335 USA | [PTZOptics.com](http://PTZOptics.com)



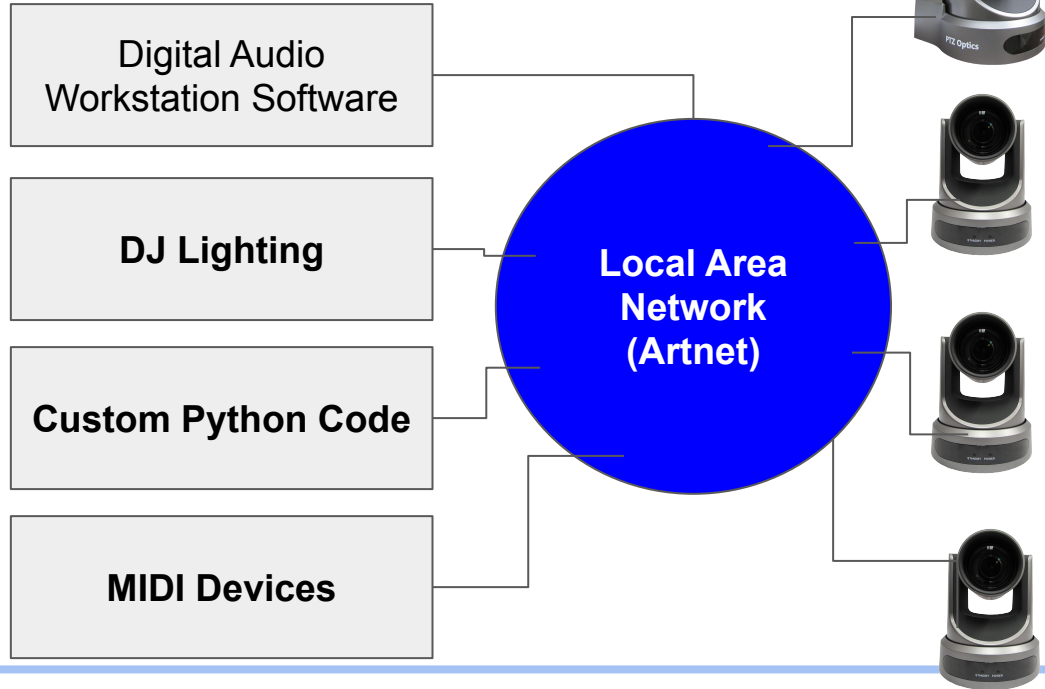
# Application Diagram

## Live Streaming Configuration

### 4 Camera System

Includes:

- (1) Custom Computer Switching System
- (1) Artnet Network / Router
- (1) PoE Network Switch
- (4) PTZOptics 20X-SDI Cameras
- (1) Touch Designer Interface



# About the project

DeadMau5 (Joel Zimmerman), is one of the world's most influential DJs. When DeadMau5 announced his new 2019-2020 world tour, the electronic music producer unveiled plans for a modernized "Cube v3" stage concept. The iconic cube includes DJ booth enclosed in LED walls and outfit with four PTZOptics 20X-SDI cameras used to distribute live video throughout the venue. Zimmerman uses custom Python codes to control the open-source PTZOptics cameras which are synced up with his DJ software and an application called TouchDesigner.



# DeadMau5 Cube Design

Cube v3 glows with custom visual effects designed by deadmau5. The cube can spin 360 degrees and dip 45 degrees during performances. The system uses a real-time IP network to communicate with the PTZOptics cameras over Artnet. The cameras can then position themselves remotely to match the movement of this massive cube and keep the images straight.



# MIDI Camera Controls



It is now possible to control PTZOptics camera presets from DAW (Digital Audio Workstation) software. The new PTZOptics MIDI control software can become the bridge for up to 120 unique MIDI notes directing PTZ cameras where to move throughout musical performances.

# What Deadmau5 is using...

- **Custom Programming:** For advanced integrations, PTZOptics open-source control software is a game-changer.
- **3G-SDI:** Each camera uses an uncompressed 3 gigabit 1080p video feed set to 60 frames per second for maximum full HD quality,
- **Network Solution:** The cameras are not only powered over ethernet, but they are also receiving low latency commands over ethernet from TouchDesigner and other video production software

