

## HD Multi-Mix (Duo, Trio, or Quad)

---

### **Two, Three, or Four HD PTZ Cameras, all in one joystick controller/mixer.**

*Option to add in your own DVD player, and/or computer for graphics, lyrics. Large preview/program monitors.*

A professional, HD multi-camera (2, 3 or 4 HD cameras) system that allows you to CONTROL AND MIX the cameras from a single device. You'll capture the service from two or three different angles, thus upping your production value and creating a more dynamic and immersive video experience. This system provides large preview and program monitors. Plus you can layer or mix computer graphic or other video sources with your live video. It's a snap for a single operator to use this setup.

The HD, all-in-one joystick camera controller and mixer combo provides 12 preset shots per camera and fine camera adjustments. Plus the CCU for each camera enables precise control over color, iris and white balance, focus and more to make those HD cams look their best. In addition to high resolution, 20" preview and program monitors, you can bring in your computer titles, graphics and lyrics with ease. Plus add other SD or HD sources as available (like a DVD player) and smoothly and professionally mix them all on the ProductionView HD mixer. All of your components are housed in a rugged, metal rack. The 20" monitors sit on either side of your rack. In addition to the recording output, you will have an additional HD analog output connection available to send to the destination of your choice: projection, overflow, cry room, etc.

Option	Description
Camera Choice	Clearview HD20SE QCCU CAT-5, Connect via cat5 cable up to 500'
Mixer Choice	ProductionView HD
Preview/Program Monitors	Dual 20" widescreen monitors for Preview and Program output. Mixer lets you choose which camera you view on Preview monitor
Camera Control	ProductionView HD Joystick, 12 preset shots per camera, fine touch control
Rack	Metal, (7RU) sloping rack
Recording/Streaming Option	Vaddio AV Bridge provides USB Feed to PC/Mac use software of your choice to record, make DVD's, stream. NOTE: user must provide audio feed from sound board to mix with video feed

### **CAT5 CONNECTIVITY**

This system uses cheap and easy to get CAT5 cable to not only send the video signal and camera control back and forth from the control booth to the camera, but they also send the power to the camera via the CAT5! This is a huge time and money saver because you do not have to have an electrician put a power outlet next to each camera location. The Vaddio cameras (based on Sony models) provide excellent clarity and color and with their ability to be remotely controlled and powered via CAT5 cable, you have a natural choice for a system that is easy to install and even easier to use.

## **JOYSTICK CAMERA CONTROL**

This system utilizes a joystick camera control unit from Vaddio that allows you to precisely control how the camera moves and where it is positioned. The joystick controller provides up to 12 camera presets for each camera. You can pre-program the tight shot of the pulpit, the wide shot of the altar area or the entire chancel. You can set up a close-up of the musicians and the baptistery. When you want a new shot, simply click the preset button and the camera instantly pans, tilts and zooms to the new location you just set. Then use the video mixer to smoothly choose the new shot and you'll be producing shows like a pro in no time.

## **PREVIEW AND PROGRAM MONITORS**

You've got a large preview monitor to check the position of each camera before switching it to a live view and you have an equally large program monitor to keep an eye on what your finished outgoing mix looks like with each system. The ProductionViewHD lets you easily choose what you see on your Preview Monitor.

## **AV RECORDING AND STREAMING**

A common question we get is "what about recording or streaming?". Every package available here provides you with Vaddio's professional AV Bridge unit that combines the audio signal from your mixing board and video from the camera system signal onto a USB cable. You can connect the USB cable to your computer (not include in the package) and choose the software of your choice to record the video and/or stream it out to the internet. Any computer will recognize your incoming AV stream as a webcam type device. There are so many flavors of computers, software packages and streaming packages that it is beyond the scope of CMM to provide or support the choices. What works for you may be a disaster for the church down the road

## **NOTES**

IMPORTANT note about the recording and streaming: You have to add the audio from your sound system. The cameras don't have microphones. You MUST supply audio from your own existing audio board and the cables to connect the audio from your board to the AV bridge. Since every system is different, you must supply the cables. It's not difficult, you can supply your audio signal on either XLR or RCA cables to the AV bridge. Each camera system will have the required video cable to connect the video signal to the AV bridge.

CAT5 Cable NOT provided: Since each church building and distance varies so much and CAT5 cable is so easy to get locally, it is up to you to purchase enough CAT5 cable and connectors to complete your setup.

Summary of equipment NOT provided for Camera Packages:

1. Audio mixer board
2. Audio cables to connect to AV bridge from your sound board.
3. CAT5 cabling to connect cameras to control booth.

## Church Multimedia Camera Package

4. Computer for recording and/or streaming
5. Computer for display of lyrics, graphics, titles, etc.
6. DVD players, Blu-Ray players, other source equipment.

**Notes about installation:** With the purchase of each CMM package that has two or more cameras, a table top rack is supplied with screws and adaptors as needed to professionally mount and install the equipment. All of these packages require A LOT of assembly. You will be provided a detailed connection diagram for your specific package that shows how each component in your system connects to the others including a recommended rack layout.

**The connection diagram will show you which pieces of equipment connect together. However it is expected that you will first read the installation instructions that come with the Vaddio cameras and controller.**

But you will have to be comfortable with and familiar with cabling techniques to successfully install, connect and assemble the system. You will need to be comfortable and familiar with installing (pulling) and terminating (putting the ends on) CAT5 cable. You will need to be ok routing CAT5 cable down walls and cutting drywall or plaster to pass the CAT5 cables through to the camera mount, etc. You'll need to be comfortable following the connection diagrams and managing a lot of cable in confined spaces. (An ample supply of cable ties and adhesive-backed Velcro is recommended to have on hand during installation.)

It is the responsibility of the customer to follow all local codes and building ordinances that might be involved when installing a system.