



CAMSW100

Multi-Camera Matrix Processor with NDI®

Flexible Professional-Grade Multi-Camera Matrix with HDMI, USB, and NDI

The CAMSW100 is a powerful multi-camera matrix processor designed to easily connect and manage multiple video formats. It simplifies modern AV setups by integrating HDMI, USB 3.1, and NDI sources into one compact, versatile device.

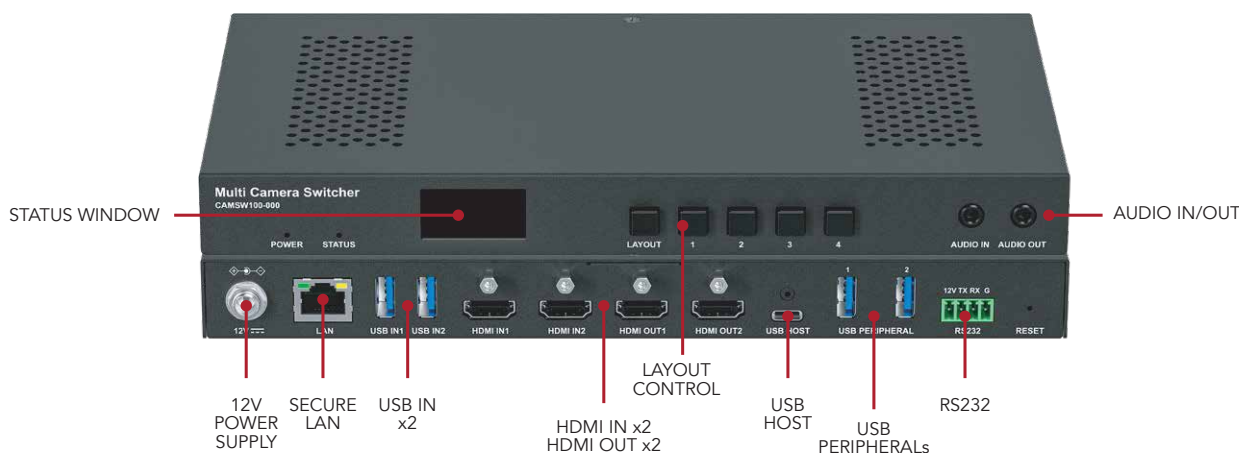
At its core, the CAMSW100 functions as a smart 6x2 video matrix. It accepts up to six video inputs (two HDMI, two USB 3.1, and two NDI) and routes them independently to two outputs. Output 1 is a dedicated HDMI output for full-screen display, while Output 2 provides a mirrored signal of either HDMI + USB 3.1 or HDMI + NDI with multiview processing. This flexibility lets you seamlessly switch between local and remote sources of various formats and convert them to dual HDMI outputs for a fully immersive presentation.

A key feature of the CAMSW100 is its ability to display video in multiple preset layouts on Output 2. You can output a single source full-screen or create a composite view from multiple inputs using preset multiview modes, including picture-in-picture, side-by-side, big-small, pyramid (3x1), and quad-view. Assigning any source to any window within a multiview preset is easy, allowing smooth transitions between displays or layouts, ideal for video conferencing, classrooms, and hybrid events.

Beyond video, the CAMSW100 includes a built-in audio matrix with analog inputs and outputs, letting you mix and route audio from microphones or other sources alongside video. Control options include front-panel buttons, a web interface, API over LAN, and RS-232 integration with automation systems. As a plug-and-play device compatible with Windows and macOS, the CAMSW100 delivers a simple, reliable solution for managing multi-format AV systems.

Say goodbye to juggling multiple devices—the CAMSW100 unifies switching, mixing, and conversion into one powerful solution for modern AV environments.

Multi-Camera Matrix Processor with NDI



2x USB 3.1 and
2x HDMI, up to 4K@30Hz



Multiple Layout Modes –
Single, Picture-in-Picture,
Side-by-Side, Pyramid, and
Quad View



Intuitive Status LEDs providing clear visual
status indicators for easy monitoring



Dual Outputs – 1x USB-C host
output (UVC/UAC) with
mirrored HDMI OUT2, plus
HDMI OUT1 up to 4K@60Hz



Seamless Switching – Smooth
transitions across all inputs and
layouts



USB Host and Peripherals



NDI® Support 4x NDI inputs
with mirrored NDI output



Audio Matrix – Built-in audio routing
and mixing with analog 3.5mm in/out
and USB Video Bar support



CEC & HDCP Compliance



Multiview Mode



Web GUI, network API over LAN,
RS-232, and tactile front-panel
buttons with OLED display



Push button controls

MULTI-VIEW MODES



Full Screen



Picture in Picture



Side by Side



Left Big, Right Small



Pyramid



Quad View

PAIR WITH OUR LINE OF CONFERENCE CAMERAS



CAM300A-000

4K Compact ePTZ Conferencing Camera
with Mic, AI Tracking + Presenter Mode,
Noise Reduction, Built-In Privacy
Shutter, Mobile App and USB-C 3.0



CAM600-000

4K Compact ePTZ Conferencing
Camera with Mic, AI Tracking +
Presenter Mode, Noise Reduction,
Built-In Privacy Shutter, Mobile App
and USB-C 3.0



CAM506-000

4K Pro ePTZ Conferencing Camera with
Dual Mics, AI Tracking + Presenter Mode,
Noise Reduction, Privacy Cap, and USB-C
3.0

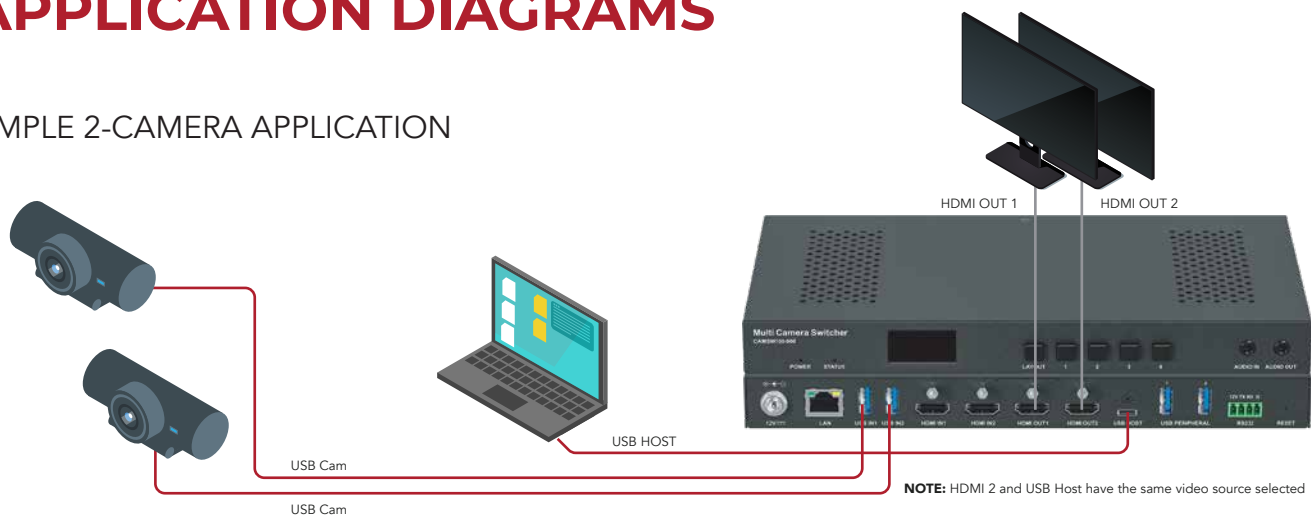


VB06 / VB06Z

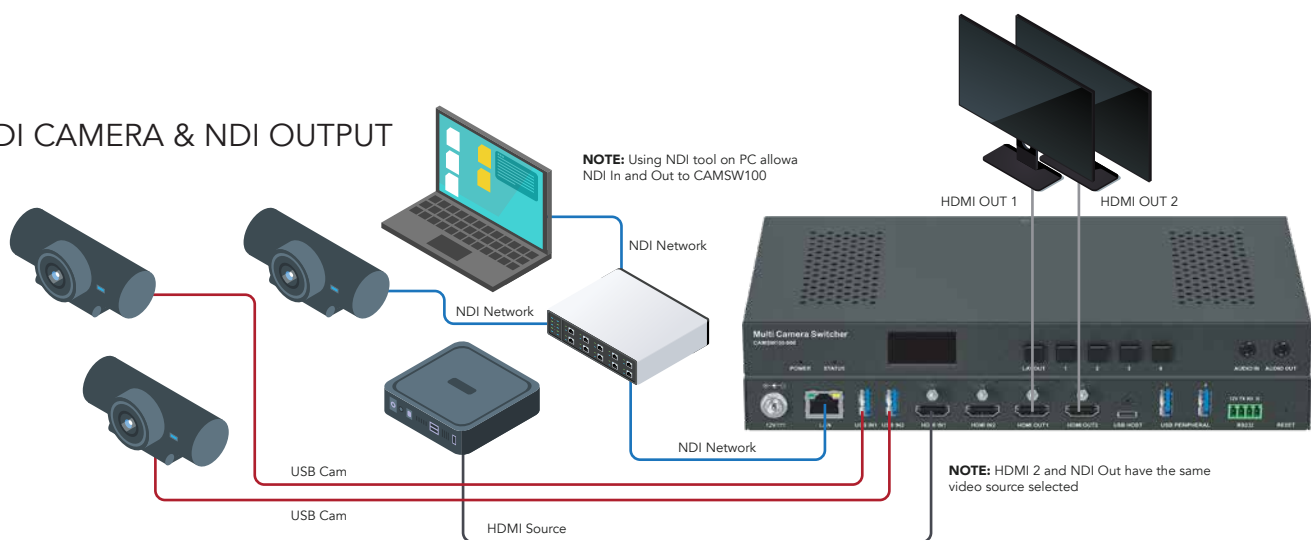
MINI 4K ePTZ Video Conference
Sound Bar with 4 MEMS digital Mic
Array, AI Tracking + Presenter Mode,
Noise Reduction, Privacy Cap and
USB-C 3.0

APPLICATION DIAGRAMS

SIMPLE 2-CAMERA APPLICATION



NDI CAMERA & NDI OUTPUT



NDI CAMERA, USB CAMERA & HDMI CAMERA APPLICATION

