

EasyIP Family Specifications



EasyIP Mixer

The EasyIP Mixer combines Dante audio sources and four Vaddio EasyIP cameras to deliver our easiest production switcher to date. Ideal for large classrooms and perfect for capture over USB 3.0 or videoconferencing.

Key Features:

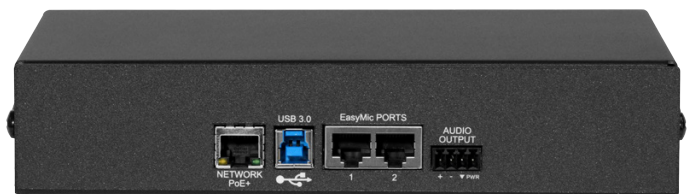
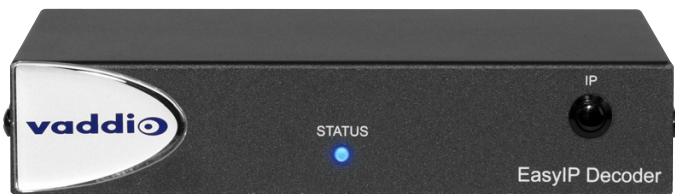
- Supports up to four EasyIP Camera video feeds plus an HDMI source
- 4x4 Dante Audio matrix (10x10 cross-point audio matrix)
- Concurrent 1080p/60 USB 3.0 and HDMI output
- Flexible control options with serial, telnet, trigger, Vaddio Device Controller, web control, and seamless control of cameras using remote UVC controls
- PoE+ powered

USB Streaming, Video, Audio, and Control

| | | | |
|-------------------------------------|---|-------------------------------------|--|
| Video Inputs | HDMI In, up to 1080p/60 resolution (Full HD) Pair with up to 4 EasyIP cameras | USB Stream | Video and audio Up to 1080p/60 resolution (Full HD) |
| Audio Inputs | Stereo USB Stereo HDMI Two balanced mic/line-level inputs Dante-compatible; up to 4 inputs | Audio Outputs | Stereo USB Stereo HDMI Two balanced line-level outputs Dante-compatible; up to 4 outputs |
| HDMI Input | Video and audio; up to 1080p/60 resolution (Full HD) | HDMI Output | Video and audio; up to 1080p/60 resolution (Full HD) |
| USB Audio (record, playback) | 2 channel (UAC) 16-bit resolution 48 KHz sample rate | Audio Line Out | Dual 3-pin Phoenix type terminal Impedance: 50 ohms Frequency response 20Hz -20KHz THD + noise < 0.02% Maximum output level +12 dBu differential audio |
| Control | Vaddio Device Controller, Browser-based user interface for configuration and administration; front panel controls for IP address toggle, power reset, and factory reset; Telnet and RS-232 for external control | | |
| Input Power | PoE+ | Phantom Power to Microphones | 48 VDC, 10 mA |

Physical and Environmental

| | | | |
|---------------|--------------------|--------------------------------------|-------------------------------|
| Height | 1.72 in. (4.4 cm) | Operating temperature | 32°F to 104°F (0°C to +40°C) |
| Width | 8.38 in. (21.3 cm) | Operating humidity (relative) | 20% to 80% non-condensing |
| Depth | 6.0 in. (15.2 cm) | Storage temperature | 23°F to 140°F (-5°C to +60°C) |
| Weight | 2.65 lb. (1.26 kg) | Storage humidity (relative) | 20% to 80% non-condensing |



EasyIP Decoder

The EasyIP Decoder controls and switches cameras, and provides a USB 3.0 stream of video and audio to the conference room's connected PC or BYOD to use with web-based conferencing systems.

Key Features:

- Supports up to four EasyIP cameras and two Vaddio EasyMIC TableMIC or CeilingMIC microphones
- Able to discover and pair with cameras
- Video is transported via EasyIP technology over the network to the Decoder
- Allows seamless control of cameras using remote UVC controls
- Provides USB 3.0 output up to 1080p/60 resolution
- PoE+ powered

USB Streaming, Video, Audio, and Control

| | | | |
|-------------------------------------|--|--|--------------------------------------|
| USB Stream | Video and audio Up to 1080p/60 resolution (Full HD) | Input Power | PoE+ |
| Video Inputs | Pair with up to 4 EasyIP cameras | | |
| USB Audio (record, playback) | 2 channel (UAC) 16-bit resolution 48 KHz sample rate | EasyMic Inputs (2 channels available) | RJ-45 12V, bidirectional balanced |
| Audio Line Out | 4-pin Phoenix type terminal block Impedance: 50 ohms Frequency response 20Hz - 20KHz THD + noise < 0.02% Maximum output level +12 dBu differential audio | | |
| Control | Vaddio Device Controller, Web interface, Telnet | | |

Physical and Environmental

| | | | |
|---------------|--------------------|--------------------------------------|--------------------------------|
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| Weight | 2.65 lb.(1.26 kg) | Storage humidity (relative) | 20% to 80% non-condensing |



EasyIP 10 Camera

The EasyIP 10 Camera sends 1080p/60 resolution feeds to the EasyIP Ecosystem for delivery to web-based conferencing solutions and connects to a 1 Gb PoE+ switch – eliminating the need for costly USB extensions.

Key Features:

- HD PTZ camera with 10x optical zoom, 67-degree horizontal field of view
- Visually lossless, low latency 1080p/60 video output stream
- One EasyIP (Network PoE+) video output
- PoE+ powered
- Supports output to up to two EasyIP Decoders or EasyIP Mixers simultaneously
- Camera is controlled via intuitive browser-based user interface from EasyIP Decoder or EasyIP Mixer
- Add simple touch controls with the Vaddio Device Controller
- Optimized to work with an EasyIP Managed PoE Switch; also works with other properly configured 1 Gb PoE+ switches



EasyIP 20 Camera

The EasyIP 20 Camera delivers 1080p/60 resolution feeds to EasyIP endpoints and connects to a 1 Gb PoE+ switch – eliminating the need for costly USB extensions. A local HDMI output allows for easy IMAG (image magnification).

Key Features:

- HD PTZ camera with 20x optical zoom, 70.2-degree horizontal field of view
- Visually lossless, low latency 1080p/60 video output stream
- Tri-Synchronous Motion technology for ultra-smooth, natural camera motion
- One EasyIP (Network PoE+) video output
- PoE+ powered
- Supports output to up to two EasyIP Decoders or EasyIP Mixers simultaneously
- Camera is controlled via intuitive browser-based user interface from EasyIP Decoder or EasyIP Mixer
- Add simple touch controls with the Vaddio Device Controller
- Optimized to work with EasyIP Managed PoE Switch; also works with other properly configured 1 Gb PoE+ switches
- Compatible with the Vaddio RoboTRAK Presenter Tracking System

Camera and Image**EasyIP 10 Camera****EasyIP 20 Camera**

| | | |
|--|--|---|
| Image Device | 1/2.8-type Exmor® CMOS sensor | 1/2.5-type Exmor R® backlit CMOS sensor |
| Pixels | 2.14 megapixels (effective) | 8.5 megapixels (effective) |
| Zoom | 10x | 20x |
| Resolution | 1080p/60 EasyIP Stream | 1080p/60 EasyIP Stream HDMI Output: 1080p/60/59.94/50/29.97/25, 1080i/60/59.94/50, 720p/60/59.94/50 |
| Lens and Horizontal FOV | 67.0° wide to 7.6° tele, f=3.8mm to 38mm, F1.8 to F3.4 | 70.2° wide to 4.1° tele, f=4.4mm to 88.4mm, F2 to F3.8 |
| Pan angle and speed | ± 165°, up to 90°/sec | ± 150°, 0.35°/sec to 120°/sec |
| Tilt angle and speed | +90° -30°, up to 90°/sec | +90° -30°, 0.35°/sec to 120°/sec |
| Min. working distance | 10 mm wide, 1000 mm tele | 229 mm wide, 800 mm tele |
| Min. illumination | 100+ lux recommended | 100+ lux recommended |
| Aperture/detail | 16 steps | 16 steps |
| Gain | Auto or manual | Auto or manual, 28 steps |
| White balance | Auto, manual, One-Push | Auto, manual, One-Push |
| Backlight compensation | On or off | On or off |
| Focusing system | Auto or manual | Auto or manual |
| Noise reduction | On or off | On or off |
| Sync system | Internal | Internal |
| S/N ratio | Over 50 dB | Over 50 dB |
| Power | PoE+ | PoE+ |
| Remote operation and management | Vaddio Device Controller, IR remote, web interface, Telnet | Vaddio Device Controller, IR remote, web interface, Telnet, VISCA-compatible RS-232 |

Physical

| | | |
|---------------|-------------------|-------------------|
| Height | 6.3 in. (16.3 cm) | 6.9 in. (17.6 cm) |
| Depth | 5.5 in. (14.5 cm) | 6.8 in. (17.2 cm) |
| Width | 6.1 in. (15.5 cm) | 7.1 in. (17.9 cm) |
| Weight | 3.0 lb.(1.36 kg) | 4.85 lbs (2.2 kg) |

Environmental

| | | |
|--------------------------------------|-----------------------------------|-----------------------------------|
| Operating temperature | 32° F to 104° F (0° C to +40° C) | 32° F to 104° F (0° C to +40° C) |
| Operating humidity (relative) | 20% to 80% non-condensing | 20% to 80% non-condensing |
| Storage temperature | 23° F to 140° F (-5° C to +60° C) | 23° F to 140° F (-5° C to +60° C) |
| Storage humidity (relative) | 20% to 80% non-condensing | 20% to 80% non-condensing |

EasyIP CeilingMIC D

EasyIP CeilingMIC D overhead microphones with Dante networked audio deliver professional audio quality for superior conferencing experiences. With full 360-degree pickup coverage, one EasyIP CeilingMIC D provides excellent coverage for an average size meeting room table. Ensure clear coverage of all meeting participants in larger spaces with multiple ceiling microphones – the EasyIP Mixer allows you to easily connect up to 4 EasyIP CeilingMIC D microphones. Centrally manage microphone routing and system configuration with free Dante Controller software.



Key Features:

- Dante networked audio for use with Vaddio EasyIP Mixer, AV Bridge 2x1 and compatible third party Dante devices
- Three-element array head for 360-degree coverage
- Design allows for custom ceiling drop cable length and easy installation
- Built-in digital signal processor (DSP) with AEC, ANC and EQ filtering
- PoE powered

CeilingMIC

CeilingMIC microphones connect to Vaddio products with EasyMIC ports to deliver professional audio quality into your PC system for superior conferencing experiences. These overhead microphones are a more economical alternative to a custom installation. Ceiling-mounted microphones offer a clutter-free alternative to tabletop microphones, creating a clean look in your conference room or meeting space.



Key Features:

- Works with Vaddio products designed with an EasyMIC port (EasyIP Decoder, EasyUSB Mixer/Amp, AV Bridge MATRIX PRO, ConferenceSHOT AV Cameras, HuddleSHOT, EasyUSB MicPOD I/O)
- Three-element array head with LED mute status indicator
- Full 360-degree pickup coverage
- Supports both referenced and non-referenced AEC
- Ideal for drop tile ceilings and open-ceiling environments

TableMIC

TableMIC microphones connect to Vaddio products with EasyMIC ports to deliver professional-quality audio into your PC system for superior conferencing experiences. The top of the TableMIC features a capacitive touch control surface for quick access to controls with silent operation.



Key Features:

- Works with Vaddio products designed with an EasyMIC port (EasyIP Decoder, EasyUSB Mixer/Amp, AV Bridge MATRIX PRO, ConferenceSHOT AV Cameras, HuddleSHOT, EasyUSB MicPOD I/O)
- Full 360-degree pickup coverage from three unidirectional condenser microphone elements
- Noise-free capacitive touch controls – mute/unmute, speaker volume up or down and camera trigger button
- Easy installation, plug and play design

CeilingMIC & EasyIP CeilingMIC D

TableMIC

Performance

| | | |
|---------------------------|---|--|
| Frequency Response | 100 Hz to 16 KHz | 100 Hz to 16 KHz |
| THD + Noise | < 0.02% | < 0.02% |
| Dynamic Range | > 90 dB | > 90 dB |
| Coverage Diameter | Up to 15 ft (4.6 m) | Up to 15 ft (4.6 m) |
| Interface | EasyIP CeilingMIC D: Dante networked interface with PoE power input CeilingMIC: EasyMIC interface with CAT cabling, compatible with Vaddio EasyMIC devices | EasyMIC interface with CAT cabling, compatible with Vaddio EasyMIC devices |

Environmental and Physical

| | | |
|-----------------------------------|--|---|
| Operating/Storage | 32°F to 104°F (0°C to 40°C) | 32°F to 104°F (0°C to 40°C) |
| Operating/Storage Humidity | 10% to 80% (non-condensing) | 10% to 80% (non-condensing) |
| Maximum Cabling Distance | Drop cable: 15 ft (4.6 m) Interface box to host device: 100 ft (30 m) | 100 ft (30 m) |
| Interface Box Dimensions | Length including flange: 10.25 in (26 cm) Width: 4.6 in (11.7 cm) Height: 2 in. (5.1 cm) | - |
| Microphone body dimensions | Diameter: 2.5 in. (6.3 cm) | Height: 1.43 in. (3.6 cm) Diameter: 5.05 in. (12.8 cm) |
| Weight | 2 lbs (0.9 kg) (installed) | 2.5 lbs (1.1 kg) |



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