

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:

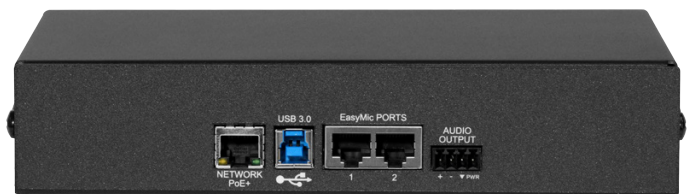
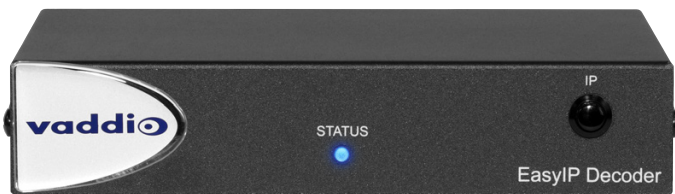
- Supports up to four EasyIP Camera video feeds plus an HDMI source
- 4x4 Dante Audio matrix (10x10 cross-point audio matrix)
- Concurrent 1080p/60 USB 3.0 and HDMI output
- Flexible control options with serial, telnet, trigger, Vaddio Device Controller, web control, and seamless control of cameras using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

Height	1.72 in. (4.4 cm)	Operating temperature	32°F to 104°F (0°C to +40°C)
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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

EasyIP TableMIC D

EasyIP TableMIC D microphones connect to audio systems that utilize Dante networked audio signals. Up to four EasyIP TableMIC D microphones can be paired with the popular EasyIP Mixer and AV Bridge 2x1 products for excellent room coverage.



Key Features:

- Dante networked audio for use with Vaddio EasyIP Mixer, AV Bridge 2x1 and compatible third party Dante devices
- Full 360-degree pickup coverage from three unidirectional condenser microphone elements
- Noise-free capacitive touch controls – mute/unmute and a VU meter
- Built-in digital signal processor (DSP) with AEC, ANC and EQ filtering
- PoE powered

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

Performance	CeilingMIC & EasyIP CeilingMIC D	TableMIC & EasyIP TableMIC D
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	EasyIP TableMIC D: Dante networked interface with PoE power input TableMIC: 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)



Pujades 273-275 · 08005

Barcelona 93 292 07 70 · imaginart@imaginart.es

www.imaginart.es