

TECHNICAL SPECIFICATIONS

VIDEO	
Format	HDMI 1.4 / VGA
DVI Compliance	Single-link DVI-D 1.1 w/ adaptor
HDCP Compliance	1.0/1.1
Resolution	Up to 3840 x 2160 @30Hz
Outputs	(1) HDMI Local loop with Digital L-PCM Audio, (1) VGA HD15 Analog
Inputs	(1) HDMI with Digital L-PCM Audio, DVI with HDMI to DVI adapter
Maximum Cable Length	HDMI 20 ft.
Video Stream Output	MPEG-4 Part 10 / AVC (H.264)
AUDIO	
Audio Input	(1) 3.5 mm, analog stereo
Audio Output	(1) 3.5 mm local loop, analog stereo
Audio Stream Support	MPEG4-GENERIC, MPEG4-LATM
OTHER	
Network Connector	(1) RJ-45
Streaming Protocols	RTP, RTSP, RTCP, UDP
Command Protocols	TCP/IP, UPnP, HTTPS
USB	(1) Type B Female, Firmware update only
RS-232	(1) DB9 Female, Function forthcoming
Compression	H.264/Mpeg4 Part 10 (AVC)
4 Pin-Din Connector	Power, Do not use.
Power Adapter	PS5VDC4A
Dimensions	9" W x 4" D x 1.8" H
Weight	.75 lbs.
Working Temp.	32 to 113 °F (0 to 45 °C)
Working Humidity	20 to 80% RH (no condensation)
Storage Temp.	-40 to 131 °F (-40 to 55 °C)
Storage Humidity	5 to 95% RH (no condensation)

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
SAVI-ST-E300	1	1080p H.264 Streaming Encoder
PS5VDC4A	1	Power Adapter
	1	Quick Start Guide

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

SaviStreamer E300 Encoder

**Full HD, Low-Bandwidth
1080p Streaming Encoder**



Capture and stream or record high-definition A/V signals from a media source and create a seamless extension over IP to one or more decoder units

Quick Start Guide

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INTRODUCTION

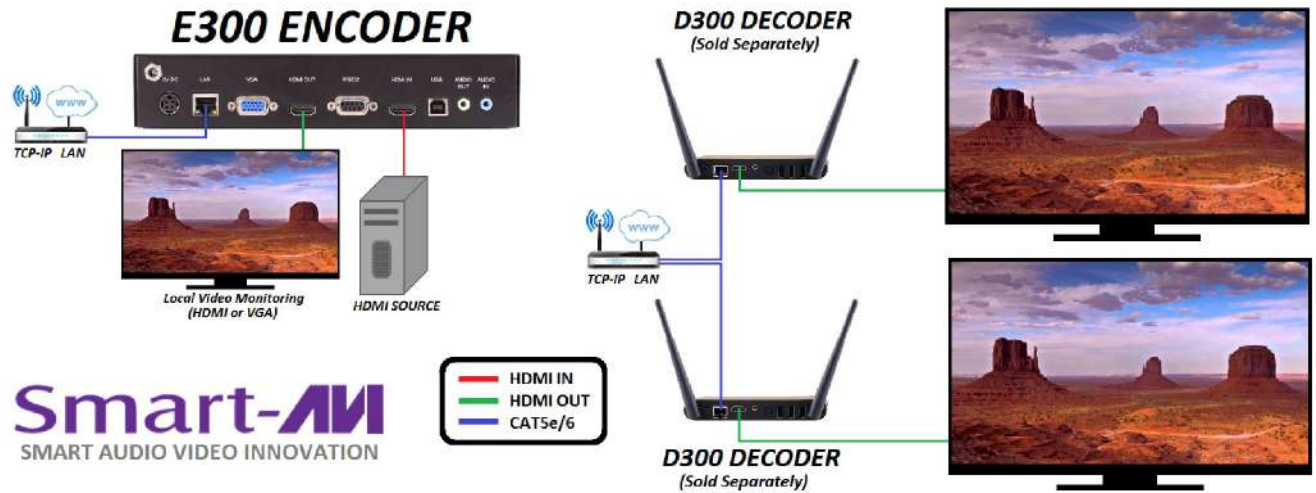
The E300 video distribution over IP solution consists of an E300 encoder and decoders that can extend or record Up to 3840 x 2160 @30Hz video and audio over a standard network at user-defined low bit rates for excellent quality and minimal network bandwidth consumption. The E300 encoder streams or records high-quality video and audio and uses the H.264 video compression standard. It can stream to D300 decoders or any device or PC that supports the required network protocols. It can also record to a shared network or NAS drive.

FEATURES

- Extend/record Up to 3840 x 2160 @30Hz video and audio
- H.264 compression for high-quality, low-bandwidth AV-over-IP
- Support for wide-screen & standard aspect ratios and many resolutions
- Scale streams before distribution for lower bandwidth consumption
- HDMI or analog audio support
- Record up to 1080p@60Hz/1920x1200 to a shared network drive
- Recorded user-defined file name includes timestamp for easy file management
- Operates on standard 100/1000Mb Ethernet networks
- Network bit-rate control (100 Kbps – 25 Mbps)
- Fine-tune encode/decode parameters and adjust bit rates
- Reliable, solid-state, energy-efficient design
- Local real-time pass-through and confidence preview on encoder
- User access from secured PC

APPLICATIONS

- Retail Store Displays
- Business Lobbies
- Restaurants
- Digital Signage
- Airports & Transportation Hubs
- Hospitals
- Schools & Universities



HARDWARE INSTALLATION

1. Position the E300 conveniently and keep it unplugged.
2. Connect the E300 HDMI IN connector to an HDMI Source.
3. Optionally connect a VGA or HDMI display to the E300 VGA or HDMI OUT connector for local monitoring of the streaming video signal and power on the display.
4. Connect the RJ45 LAN port on the E300 to your network.
5. Power on the E300 Encoder and wait a few seconds for the unit to initialize.
6. Use IP scanner software to identify the IP address of the E300 and make a note of it.
7. Power off the E300.
8. See the D300 decoder documentation to set up the decoder at this point. When the D300 is ready continue with the next step.
9. Power on the E300 Encoder and wait a few seconds for the unit to initialize.
10. Power on the connected video source and start streaming to the E300.
11. If needed power cycle or reboot the D300 decoder to start displaying the video stream.



Figure 1