



AVE-9300  
AVE-9301  
AVE-9304  
AVE-9304A  
AVE-9308  
AVE-9316



# Audio/Video Extenders

H/W Version: 3

## Product Overview

The LevelOne AVE-93xx series of Cat.5 Audio/Video Extenders is an ideal PC, DVD player broadcast solution to transmit audio and video signals via Cat.5/6/7 cabling to multiple remote plasma or LCD monitor/screen.

## Cost-effective Audio/Video Broadcasting over Ethernet

The AVE-93xx series make use of inexpensive Ethernet cabling to transmit and receive HDTV audio and video signals. Signals can be transmitted up to 300 meters away from the transmitting unit.

## Flexible Multi-Location Audio/Video Broadcasting

The AVE-9301, AVE-9304, AVE-9308 and AVE-9316 transmit Audio/Video from the controlling unit (player) via Cat. 5/6/7 cabling to remote monitors. The AVE-9300 receives the signal and translates it back to its original form making it possible for the remote monitor/screen to display the original signal.

By using the AVE-9304A, equipped a RJ45 A/V input port, users can replicate the signal and transmit it to 4 receivers or repeater connected. The AVE-9304A forms an integral part of the larger network if users want to extend the broadcasting 3 levels of network to 900 meters.

## Cable Kits for Different Applications

The units support VGA/SVGA/XGA TFT-LCD, LCDTV, PDP and DDC2B enabled projectors by using different format cable kits.

### • PC Cable Kit

VGA A/V with support for all VGA standards  
Max Resolution: 2048x1536 at 300m

### • TV Cable Kit

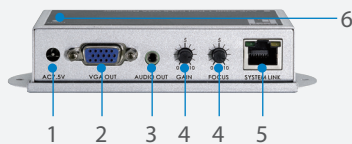
Composite/S-Video A/V  
Supports: 480i, 480p and 720i video format

## Easy Installation

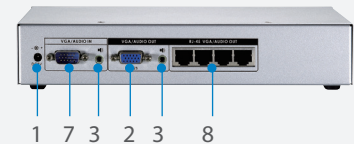
The compact Cat.5/6/7 Audio/Video extenders easily fit on a desk or where space is limited. No software or interface cards are needed. All repeaters and transmitters are plug-and-play orientated for quick installation.

The AVE-9304A can be cascaded to three levels to expand broadcasting locations and broadcasting distances up to 900 meters. The AVE-9304A and AVE-9300 features adjustable video gain and focus control for adjusting video signals that are extended over this distance.

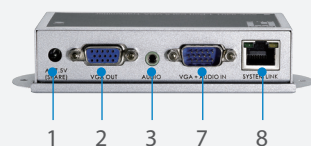
AVE-9300



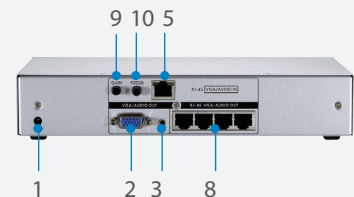
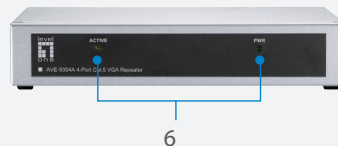
AVE-9304



AVE-9301



AVE-9304A



1. Power Jack  
2. VGA Output

3. Audio Input/Output  
4. Video Control

5. RJ-45 Input  
6. LEDs

7. VGA Input  
8. RJ-45 Output

9. Video Gain Control  
10. Video Focus Control

## Key Features

- Broadcast Audio/Video signals over Ethernet Cable
- Supports 2048x1536 VGA resolution over 300m
- Flexible multi-location Audio/Video broadcasting  
Flexible cable kit choices for different video
- Units can be cascaded into 3 levels for extending broadcast signal to 900m away
- Repeater and Receiver units feature Video Gain and Focus control

## Related Products



**AVE-9201**  
1-Port Cat.5 Audio/Video Broadcaster

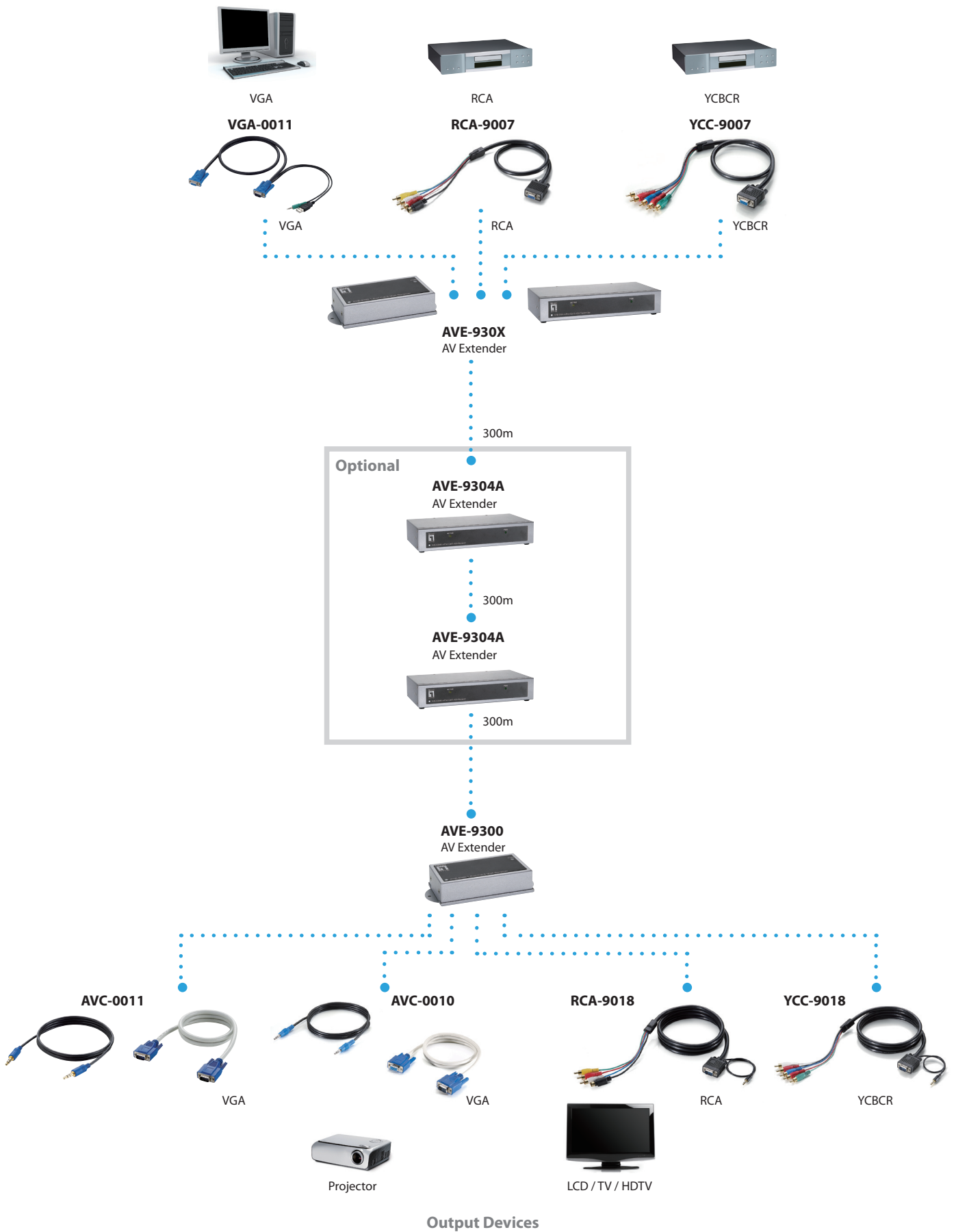


**AVE-9200**  
Cat.5 Audio/Video Receiver

## Technical Specifications

Type	Transmitter				Repeater	Receiver
Model No.	<b>AVE-9301</b>	<b>AVE-9304</b>	<b>AVE-9308</b>	<b>AVE-9316</b>	<b>AVE-9304A</b>	<b>AVE-9300</b>
Product Name	1-Port Cat.5 VGA Transmitter	4-Port Cat.5 VGA Transmitter	8-Port Cat.5 VGA Transmitter	16 Port Cat.5 VGA Transmitter	4 Port Cat.5 VGA Repeater	1-Port Cat.5 VGA Receiver
RJ-45 AV Input	-				1	1
RJ-45 AV Output	1	4	8	16	4	-
DB15 AV Input	1	1	1	1	-	-
DB15 AV Output	1	1	1	1	1	1
Video Control	-				Video Gain and Focus	
Max Distance	300m				-	-
Cascadable	-				3 Levels	-
Max Resolution	2048 x 1536					
Video Quality	PC: Support all VGA format and with a max. capacity of 2048 x 1536 @ 300m TV: Support: 480i . 480p / 720i video format and Max. distance of 300m					-
Audio	Stereo					Stereo
PC Cable	VGA-0011 for player				AVC-0010 for display (M-F) AVC-0011 for display (M-M)	AVC-0010 for display (M-F) AVC-0011 for display (M-M)
HDTV Cable	YCC-9007 for player				YCC-9018 for display	YCC-9018 for display
TV Cable	RCA-9007 for player				RCA-9018 for display	RCA-9018 for display
LED	Power and Activity					
Power Consumption	DC 5V, 1.2A	DC 5V, 2A	DC 5V, 3A	DC 5V, 3A	DC 5V, 2A	DC 5V, 1.2A
Dimensions(mm)	62 x 113 x 27	240 x 130 x 144			240 x 130 x 144	60 x 113 x 27
Operating Temp.	0° C ~ 50° C					
Storage Temp.	-20° C ~ 60° C					
Humidity	10% ~ 90% Non-Condensing					

# Dimension Diagram



## Order Information

- AVE-9300:** 1-Port Cat.5 VGA Receiver
- AVE-9301:** 1-Port Cat.5 VGA Transmitter
- AVE-9304:** 4-Port Cat.5 VGA Transmitter
- AVE-9304A:** 4-Port Cat.5 VGA Repeater
- AVE-9308:** 8-Port Cat.5 VGA Transmitter
- AVE-9316:** 16-Port Cat.5 VGA Transmitter

## Package Content

- AVE-9300:** AVE-9300 x 1, Power Adapter (DC 5V/1.2A), User Manual x 1
- AVE-9301:** AVE-9301 x 1, Power Adapter (DC 5V/1.2A), User Manual x 1
- AVE-9304:** AVE-9304 x 1, Power Adapter (DC 5V/2A), User Manual x 1
- AVE-9304A:** AVE-9304A x 1, Power Adapter (DC 5V/2A), User Manual x 1
- AVE-9308:** AVE-9308 x 1, Power Adapter (DC 5V/3A), User Manual x 1
- AVE-9316:** AVE-9316 x 1, Power Adapter (DC 5V/3A), User Manual x 1

## Cable Accessories



**RCA-9007**  
0.7m RCA cable for player



**RCA-9018**  
1.8m RCA cable for display



**YCC-9007**  
0.7m YCBCR cable for player



**YCC-9018**  
1.8 YCBCR cable for displayer



**VGA-0011**  
1m VGA Male to Female  
and Audio Cable



**AVC-0010**  
1m A/V cable for display  
(male to female)



**AVC-0011**  
1m A/V cable for display  
(male to male)