# CAT5 VGA + Digital Audio Extender

AV-701X, AV-702X series

Send video plus high quality stereo sound up to 300 meters (1,000 ft). Daisy chain for more monitors, more distance, all over economical CAT5 cable!

◈ Razor sharp video, plus high fidelity stereo audio. S/PDIF out, or analog out, or both!

◈ Maximize coverage by using daisy-chainable Receivers.

◈ Receivers have Gain and EQ adjustments for optimum image quality.

◈ Select models add RGB skew adjustment, for extra long cable runs.

◈ Run a single UTP cable up to 300 meters (1,000 feet) from the source.
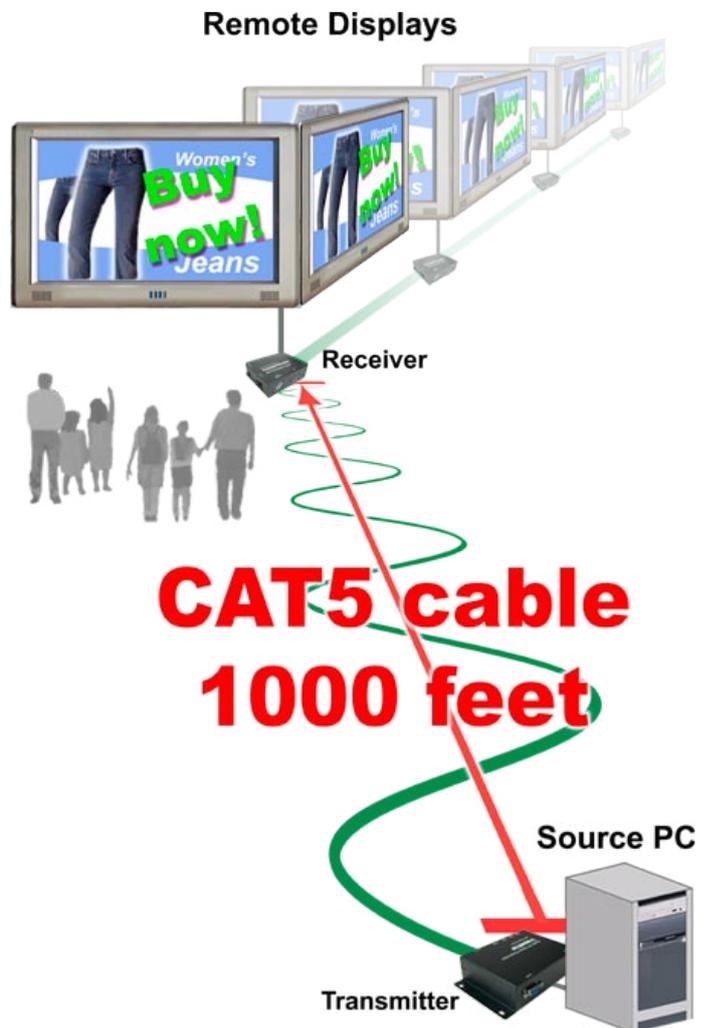
Connector and control designs depend on model.
These pictures show all possible connectors.
See Specification tables for details of actual models.
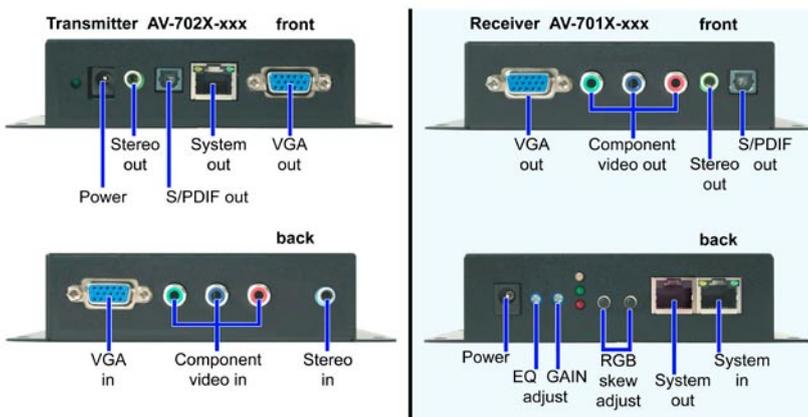
◈ Pure hardware, Plug n Play design.

◈ CAT5/CAT6 UTP cable is easy-to-use and economical.

◈ Resolution up to 1600 x 1200 @ 60Hz.

◈ Supports the latest TFT, LCD, SVGA, VGA multisync monitors and DDC2B high resolution.

◈ **Applications:** shopping malls, public address systems, educational facilities, transportation stations, stores, restaurants, showrooms, boardrooms, window displays, trade shows, exhibitions, computer based training.

AV-701X, AV-702X series   1-to-1 Transmitter Specifications

		Transmitters		
Order No.		AV-702X-101	AV-702X-111	AV-702X-121
System Cable		CAT5, FTP Solid Wire 2x4x24 AWG, standard 568B RJ-45 connector		
connectors	System out: RJ45	✓	✓	✓
	VGA in: HDD15F	✓	✓	-
	Y-Pb-Pr in: RCA x3	-	-	✓
	VGA out: HDD15F	✓	✓	-
	Audio in: 3.5mm stereo Jack	-	✓	✓
	Audio out: 3.5mm stereo Jack	-	✓	✓
	Power Jack	✓	✓	✓
Distance		Depends on receiver, and on cable quality. 0~300m (0~1000ft)		
Video		1600 x 1200 @ 60Hz		
Audio		(none)	Digital stereo	
Dimensions		90 x 140 x 32mm (3.5 x 5.5 x 1.26 in.)		
Weight		220g		
Power		External 100~240VAC to output +5VDC 1.2A		
Works with		AV-701X-101, AV-701X-301, AV-701X-305	AV-701X-111, AV-701X-311, AV-701X-315	AV-701X-121
Operating Temperature		0º ~ 70ºC (32º ~ 158ºF)		
Storage Temperature		-40º ~ +70º C (-40º~158ºF) non-condensing		

Receiver Specifications

		Receivers						
Order No.		AV-701X-101	AV-701X-301	AV-701X-305	AV-701X-111	AV-701X-311	AV-701X-315	AV-701X-121
System Cable		CAT5, FTP Solid Wire 2x4x24 AWG or better, standard 568B RJ-45 connector						
connectors	System in: RJ45	✓	✓	✓	✓	✓	✓	✓
	System out: RJ45	-	-	✓	-	-	✓	-
	VGA out: HDD15F	✓	✓	✓	✓	✓	✓	-
	Y-Pb-Pr out: RCA x3	-	-	-	-	-	-	✓
	Audio out: 3.5mm stereo Jack	-	-	-	✓	✓	✓	✓
	S/PDIF out: TOSLINK	-	-	-	✓	✓	✓	✓
	Power Jack	✓	✓	✓	✓	✓	✓	✓
Vid. Gain/EQ		✓	✓	✓	✓	✓	✓	✓
Vid. RGB Skew		-	✓	✓	-	✓	✓	-
Cascadable		-	-	✓	-	-	✓	-
Distance		up to150m (500ft)	up to 300m (1000ft)	up to 300m (1000ft)	up to150m (500ft)	up to 300m (1000ft)	up to 300m (1000ft)	up to150m (500ft)
Video		1600 x 1200 @ 60Hz						
Audio		-			digital stereo			
Dimensions		90 x 140 x 32mm (3.5 x 5.5 x 1.26 in.)						
Weight		220g						
Power		External 100~240VAC to output +5VDC 1.2A						
Works with		AV-702X-101			AV-702X-111, AV-702X-505, AV-702X-108			AV-702X-121
Operating Temperature		0º ~ 70ºC (32º ~ 158ºF)						
Storage Temperature		-40º ~ +70º C (-40º~158ºF) non-condensing						

1-to-8 (or 1-to-4) CAT5 AV Transmitter with Digital Audio

AV-702X-108

AV-702X-104

VGA + Digital Audio

Source

CAT5 or CAT6 cable to 300 m (1,000 ft.)

AV-702X-108 Transmitter, supports up to 8 monitors

AV-701X-xxx Receivers, 1 per monitor
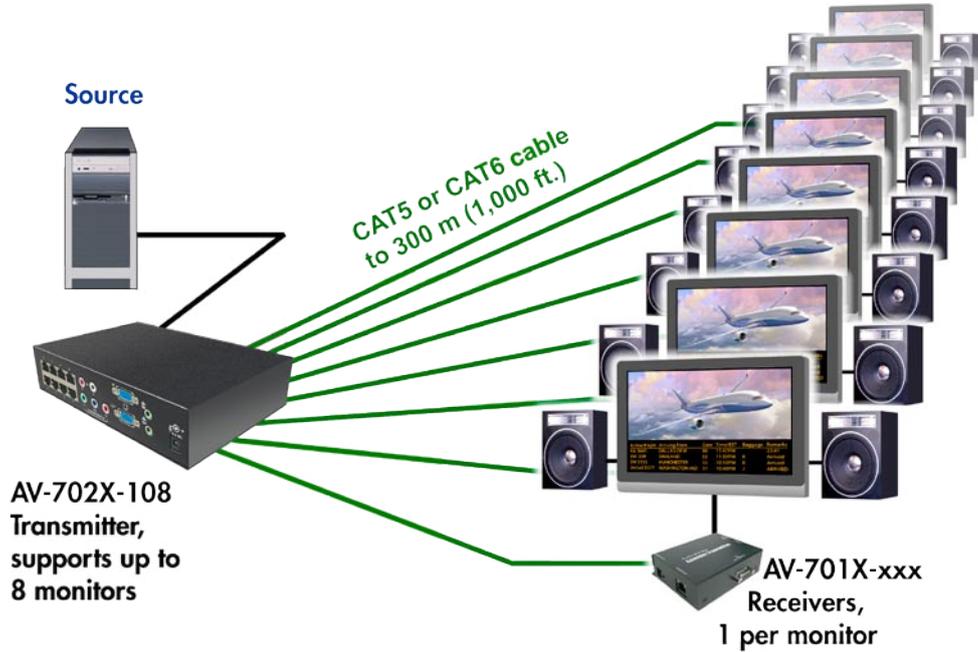
◈ Razor sharp component video.

◈ High fidelity stereo digital audio. S/PDIF out, or analog out, or both!

◈ Serve up to eight monitor stations.

◈ Run UTP cable up to 300 meters (1,000 feet) per run.

		Transmitter	
Order No.		AV-702X-108	AV-702X-104
System Cable		CAT5, FTP Solid Wire 2x4x24 AWG, standard 568B RJ-45 connector	
connectors	System out: RJ45	8	4
	VGA in: HDD15F	✓	✓
	Y-Pb-Pr in: RCA x3	✓	✓
	VGA out: HDD15F	✓	✓
	Audio in: RCA x 2	✓	✓
	Audio in: 3.5mm stereo Jack	✓	✓
	Audio out: 3.5mm stereo Jack	✓	✓
	Power Jack	✓	✓
Distance		Depends on receiver, and on cable quality. 0~300m (0~1000ft)	
Video		1600 x 1200 @ 60Hz	
Audio		digital	
Dimensions		200 x 133 x 44mm (7.8 x 5.3 x 1.7 in.)	
Weight		750g	
Power		Ext. 100~240VAC in; +5VDC 1.2A out	
Works with		AV-701X-xxx Receivers	
Operating Temperature		0º ~ 70ºC (32º ~ 158ºF)	
Storage Temperature		-40º ~ +70º C (-40º~158ºF) non-condensing	

Audio & Video Extender
Transmitter
POWER

AV-702X-108

AUDIO IN
COMPONENT VIDEO IN

Audio & Video Extender
Transmitter
POWER

AV-702X-104

AUDIO IN
COMPONENT VIDEO IN
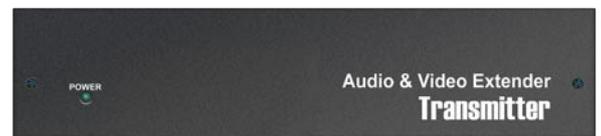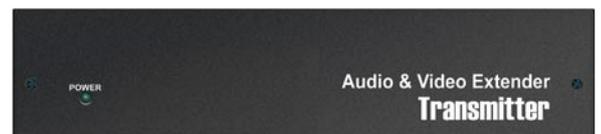
Rack Ears, Rack Shelf Accessories

For your convenience in mounting AV-702X-104, AV-702X-108, or AV-702X-505 in a standard 19-inch rack, we supply the following rack ears, and, for dual AV-702X-108 or AV-702X-104 installations, ears plus a sheet metal shelf. The Ear-Shelf Kit adapts adapt a *pair* of 1-to-multi Transmitters (AV-702X-104 and/or AV-702X-108) to occupy a 1U 19-inch rack unit.

Rack-S8X1   for AV-702X-104/108

Big Ears adapt a single AV-702X-104 or AV-702X-108 for 1U 19-inch rack mounting:

Order number: Rack-S8X1

Rack-S8X2   for dual AV-702X-104/108

The Ear-Shelf Kit adapts adapt a *pair* of 1-to-multi Transmitters (AV-702X-104 and/or AV-702X-108) to occupy a 1U 19-inch rack unit.

Order number: Rack-S8X2

Rack-M5   for AV-702X-505

Little Ears adapt an AV-702X-505 for 1U 19-inch rack mounting.

Order number: Rack-M5

5-to-5 CAT5 AV Transmitter with Digital Audio

AV-702X-505
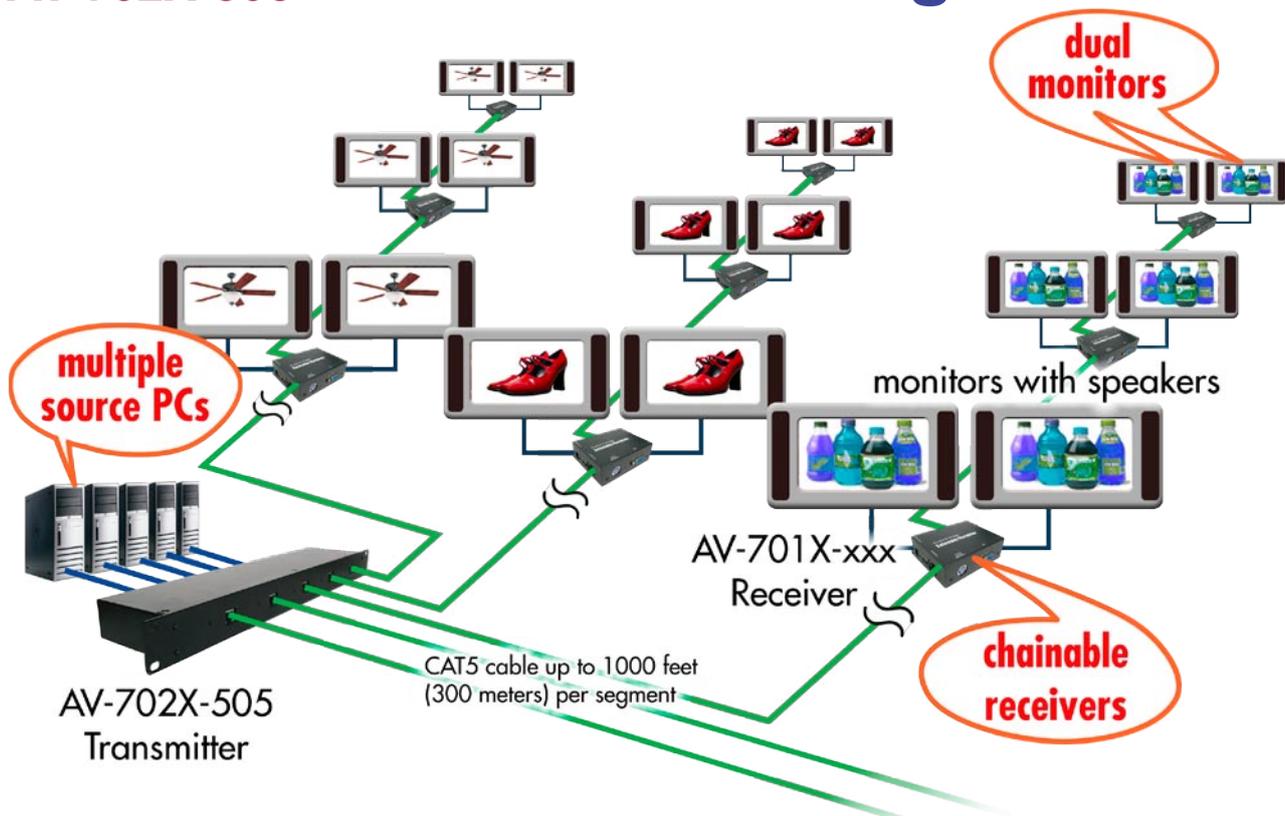
Challenge: Supply several different channels of high quality, streaming multimedia. **Example:** A supermarket requires somewhat different messages to its produce area, dairy area, cereals gondola, meats area, and frozen foods bay.

Solution: With the new AV-702X-505 Transmitter, you can stream five distinct channels of focused content over convenient, low cost CAT5 cable. And each channel supports stereo digital audio.

May be installed with AV-701X-xxx Receiver models, which support two VGA monitors; Receiver/Repeaters can be daisy chained for extended coverage. For optimum video performance, select Receivers are tunable for video EQ, gain, and RGB skew.

Individual cable runs up to 1,000 feet (300 meters) plus daisy chain extendability, mean you can achieve economical coverage of even sprawling supermarkets.

AV-702X-505 Transmitter (with Little Ears)

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