

» CATS-VGA-12B

VGA Over Extended CAT5

CATS VGA Broadcaster

The high quality and high-resolution Pragmatic VGA extenders deliver surprising clarity and untainted audio video distribution over extended distances up to 1000 ft on CAT5 cable.

The VGA & audio over CAT5 distribution series provides the most flexible solution by which high-resolution PC video and high-quality stereo audio can be transmitted to different locations over ultra long distances.

Built with two VGA and digital/analog audio loop-outs, local A/V receivers can provide extra video and audio fan-outs through typical VGA, S/PDIF, and analog audio cables. The high bandwidth VGA can be transmitted up to 65 meters (210 feet) on the local ports. VGA & audio over CAT5 distribution series also extends VGA stereo audio source up to 330 meters (1000 ft) through cost-effective Cat-5/5e/6 LAN cables. The CATS-VGS-RX1 and CATSVGA-RX1D receivers are equipped with equalization, gain control and de-skew functions, assuring superior video and audio transmissions, the best most cost-effective on the market.

Cost Efficient

The CATS Broadcast system is a cost-efficient, CAT5-based extension system able to transmit audio and video up to 330m/1000ft from one source to twelve screens.

Ideal for a variety of applications

Extension enables strategic placement of screens in multiple locations. CATS broadcast is ideal for large department stores, grocery stores, sporting goods stores, corporate venues and more.

Scalable

When your business grows, the CATS broadcast grows as well. The CATS systems can deliver up to 16 screens, but can be daisy chained for up to 100s of displays.



Applications:

- Commercial buildings
- Digital signage
- Offices
- Stadiums
- Healthcare

Feature & Benefits:

- Distributes audio and video up to 1000 ft with out loss or degradation.
- Supports resolution up to 1280 x 1024
- Supports analog stereo audio
- Supports S/PDIF
- Adjustable equalization and gain control on RX unit
- De-skew compensation available for RGB delay control (with CAT5-VGA-RX1D only)

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Email Us: sales@pragmatic1.com, Call Us: (408) 748-1100 or Fax Us: (408) 663-9783

Transmitter SPECIFICATIONS

MODEL		CATS-VGA-B	
Technical		CATS-VGA-12B	CATS-VGA-16B
Role of Usage		1x12 distribution amplifier [TX]	1x16 distribution amplifier [TX]
Video Bandwidth		350MHz	
Video Support		VESA	
Transmission		1280x1024 — 330m (1,000ft) [CAT5e]	
Audio Support		Stereo	
Equalization		Continuous analog control	
Input Video signal		1.2 Volts [peak-to-peak]	
ESD Protection		[1] Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge], [2] Core chipset — ±8kV	
PCB Stack-up		4-layer board [impedance control — differential 100-Ohm; single 50-Ohm]	
Input		1x VGA 1x RCA 1x 3.5mm	
Output		2x VGA, 2x RCA, 2x 3.5mm, 12x RJ-45	2x VGA, 2x RCA, 2x 3.5mm, 16x RJ-45
VGA Connector		HD-15 [15-pin D-sub female]	
RJ-45 Connector		WE/SS 8P8C with 2 LED indicators	
RCA Connector		S/PDIF digital audio	
3.5mm connector		Earphone jack for analog stereo audio	
Enclosure		Metal	
Dimensions (L x W x H)	Model	440mm x 96mm x 88mm [1'4" x 3.8" x 3.5"]	
	Package	540mm x 230mm x 115mm [1'8" x 9.1" x 4.5"]	
	Carton	420mm x 400mm x 300mm [1'5" x 1'4" x 1']	
Weight	Model	1.7 kg [3.7 lbs]	1.8 kg [3.9 lbs]
	Package	2.8 kg [6.2 lbs]	2.9 kg [6.4 lbs]
Mounting Options		2U rack-mount with ears	
Power Supply		5V 4A DC	
Power consumption		20 Watts [max]	25 Watts [max]
Operation Temperature		0~40 C [32~104 F]	
Storage Temperature		-20~60 C [-4~140 F]	
Relative humidity		20~90% RH [no condensation]	
Package Contents		1x CATS-VGA-12B or 16B, 2x Rack-mounting ears 1x 5V power adapter, 1x User Manual	

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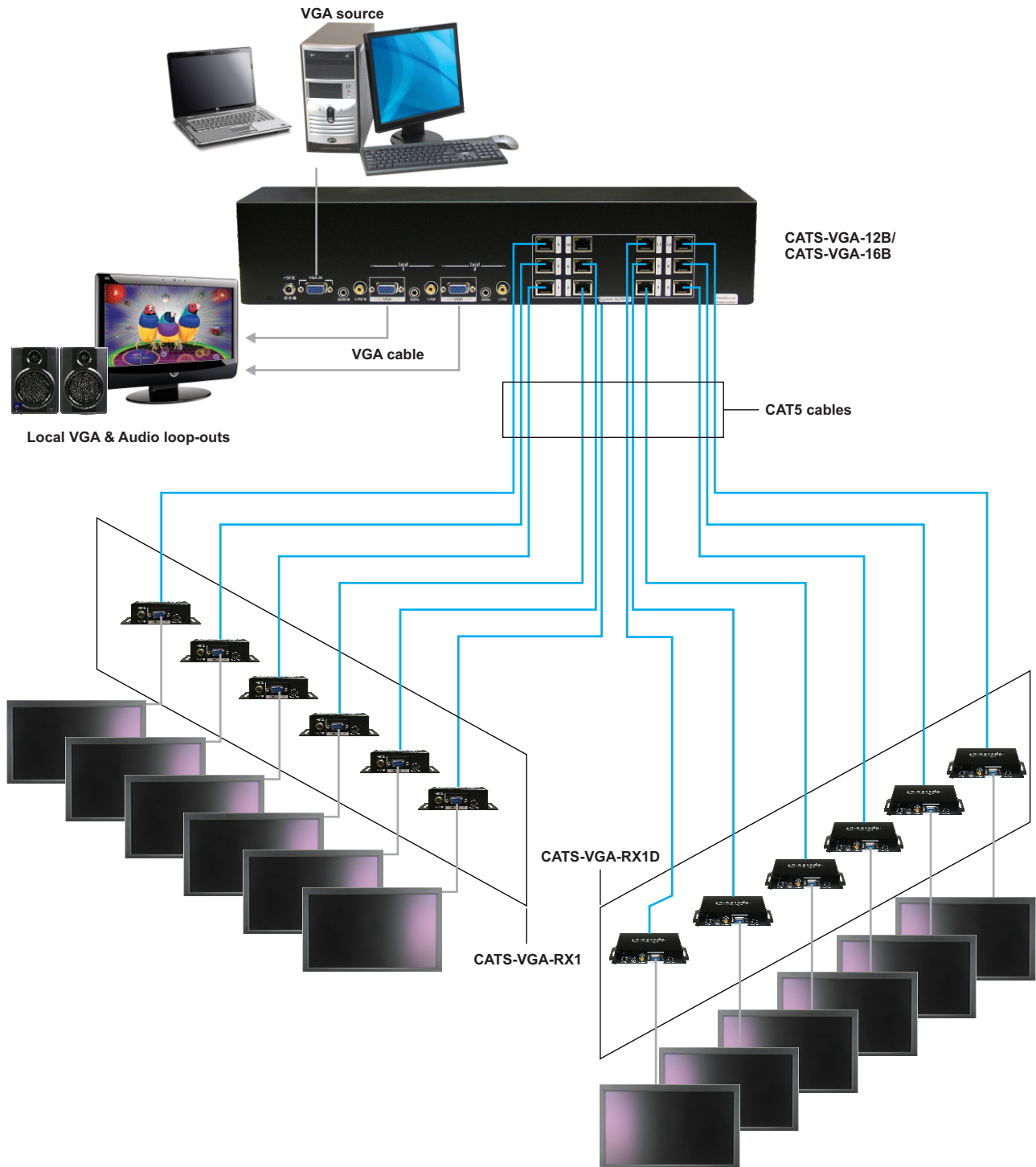
Receiver SPECIFICATIONS

MODEL	CATS-VGA-RX1		CATS-VGA-RX1D	
Technical				
Role of Usage	Receiver [RX]			
Video Bandwidth	350MHz			
Video Support	VESA			
Transmission	WUXGA [1920x1200] — 330m (1,000ft) [CAT5e]			
Audio Support	Stereo			
Equalization	Continuous analog control			
RGB Delay Control	No		Yes	
Input Video signal	1.2 Volts [peak-to-peak]			
ESD protection [CV-715]	[1] Human body model — $\pm 15kV$ [air-gap discharge] & $\pm 8kV$ [contact discharge], [2] Core chipset — $\pm 8kV$			
PCB Stack-up	4-layer board [impedance control — differential 100-Ohm; single 50-Ohm]			
Input	1x RJ-45			
Output	1x VGA, 1x 3.5mm		1x VGA, 1x RCA, 1x 3.5mm	
VGA Connector	HD-15 [15-pin D-sub female]			
RJ-45 Connector	WE/SS 8P8C with 2 LED indicators			
RCA Connector	S/PDIF digital audio			
3.5mm connector	Earphone jack for analog stereo audio			
Enclosure	Metal			
Dimensions (L x W x H)	Model	110mm x 57mm x 25mm, [4.3" x 2.2" x 1"]		150mm x 90mm x 25mm [5.9" x 3.5" x 1"]
	Package	200mm x 140mm x 75mm [7.9" x 5.5" x 3"]		
	Carton	420mm x 400mm x 300mm [1'5" x 1'4" x 1']		
Weight	Model	172g [6oz]		329g [12oz]
	Package	425g [15oz]		582g [1.3 lbs]
Mounting Options	Wall-mount case with screws			
Power Supply	5V 2A DC			
Power consumption	5 Watt [max]			
Package Contents	1x CATS-VGA-RX1[RX] 1x 5V power adapter 1x User Manual		1x CATS-VGA-RX1D[RX] 1x 5V power adapter 1x User Manual	

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CATS-VGA

Application Diagram



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