

Model FS-6301AT

Features

- 1-CH Active VGA video & audio transmitter via UTP cat5/5e/6
- Powered via both 12V DC and USB available
- Transmission distance up to 1000ft (300m) used with FS-6301AR, up to 650ft(200m) with FS-6201AR
- Quality stereo audio available
- High video resolution up to 1600 x 1200 pixels
- Multiplatform support: PC, Mac, Sun, and Linux, Windows 2000, Windows XP, Vista systems
- Support VGA, SVGA, XGA, SXGA, WXGA, UXGA and multi-sync monitors
- Built-in high-end TVS for surge protection
- Super interference rejection.



Applications

- Security monitoring system
- Video and Audio Conferencing Systems
- LCD, plasma flat-panel multi-media advertising system
- Large screen LED curtain display system
- Large-scale demonstration system for projection equipment
- Medical Monitoring Display System
- Banks, securities, airports and financial information display system
- Multimedia Network Teaching System
- Industrial automation control System
- Remote Network Server Monitoring
- Medium-sized central control system
- Military exercises command system

Overview

FS-6301AT is active VGA Video & Audio receiver which transmits high-resolution VGA video and high-fidelity audio over UTP cat5/5e/6. When FS-6301AT and FS-6301AR work in pairs, they can extend signal of VGA, SVGA, XGA, SXGA, WXGA, UXGA from PC side to display side up to 1000ft (300m). With super interference rejection and high-end TVS for surge protection, FS-6301AT is able to work in various environment.

Technical Specifications

Model		FS-6301AT
Product Name		Active VGA Video & Audio Transmitter
Function	Transmit Signal	1 output
	Transmission Distance	up to 1000ft (300m) used with FS-6301AR up to 650ft(200m) used with FS-6201AR
	Max No. of Cascade	8
Power	Powered via	12VDC adaptor and USB
	Power Consumption	<3.5W
	Protecting Current	Max 500mA
	Over-voltage Protection	Max 18V
Video	lutput Connector	1* 15pin HD15 male
	Impedance	75Ω
	UTP Cable (output connector)	1* RJ-45
	Impedance	75Ω
	Signal Transmission Band	>350MHz(-3db)
	Linear Distortion	<3%
	R,G,B Signal Distortion	<2ns

	Common-mode Interference Rejection	65db(typical)
	Synchronous signal	0-5V,TTL PWL
	Synchronous signal band	1K-200KHz
	Synchronous Signal Delay	<15ns
	DDC2	Virtual DDC
Audio	Connector	2* 3.5mm stereo audio jack
	Output Resistance	600Ω
	Input Resistance	10KΩ
	Common-mode Interference Rejection	>70dB
	Transmission band	10-20KHZ
Indicator (from left to right)	Power LED	Red
	Audio LED	Yellow
	Video LED	Green
Protection	Lightning Protection	15KV IEC61000-4-5 1995(GB/T 17626.5)1000V,10/700us IEC61000-4-51995(GB/T 17626.5)
	Anti-static Protection	Contact Discharge:6KV Air Discharge:8KV IEC61000-4-5 1995(GB/T 17626.5) IEC61000-4-2
Stability	MTBF	>8000h
Mechanical	Dimensions(L*W*H)	162*84*22mm (BNC connector & mounting bracket excluded)
	Housing	Galvanized
	Body Color	Black
	Net Weight	340g
Environmental	Operating Temperature	-25°C-75°C
	Relative Humidity	0-95% (non-condensing)
	Storage Temperature	-40° ~ 150° C

Application Diagram

Diagram FS-6301AT + FS-6301AR

