

**Model FS-6301AR**

## Features

- 1-CH Active VGA video & audio receiver via UTP cat5/5e/6
- Powered via 12VDC
- Transmission distance up to 1000ft (300m)
- Brightness and sharpness is adjustable
- Quality stereo audio available
- High video resolution up to 1600 x 1200 pixels
- Multiplatform support: PC, Mac, Sun, and Linux, 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-6301AR is active VGA Video & Audio receiver which receives 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 up to **1000ft (300m)**. With super interference rejection and high-end TVS for surge protection, FS-6301AR is able to work in various environment. FS-6301AR provides dual VGA Video & Audio output for two display devices. The knobs of brightness and sharpness on front panel is designed for image quality adjustment up to various distances.

## Technical Specifications

Model		FS-6301AR
Product Name		Active VGA Video & Audio Receiver
Function	Receive Signal	1 input
	Transmit Signal	Dual output
	Transmission Distance	up to 1000ft(300m)
Power	Powered via	12VDC adaptor
	Power Consumption	<3.5W
	Protecting Current	Max 500mA
	Over-voltage Protection	Max 18V
Video	Output Connector	2* 15pin HD15 female
	Impedance	75Ω
	UTP Cable (input 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
Adjustment	Brightness	Yes
	Sharpness	Yes
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 IEC61000-4-5 1995(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℃-75℃
	Relative Humidity	0-95% (non-condensing)
	Storage Temperature	-40° ~ 150° C

## Application Diagram

Diagram FS-6301AT + FS-6301AR

