

Model FS-6316AT

Features

- 16-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-6316AT is 16 Channel active VGA Video & Audio transmitter which transmits high-resolution VGA video and high-fidelity audio over UTP cat5/5e/6. When FS-6316AT and FS-6301AR work together, 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-6316AT is able to work in various environment.

Technical Specifications

| | | |
|--------------|------------------------------|--|
| Model | | FS-6316AT |
| Product Name | | Active VGA Video & Audio Transmitter |
| Function | Transmit Signal | 16 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 | Output 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 IEC61000-4-5 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) | mm |
| | Housing | Galvanized |
| | Body Color | Black |
| | Net Weight | |
| Environmental | Operating Temperature | -25℃-75℃ |
| | Relative Humidity | 0-95% (non-condensing) |
| | Storage Temperature | -40° ~ 150° C |

Application Diagram

Diagram FS-6316AT + FS-6301AR

