

WS Remote Security

Remote Solution – with Alarm Management System

Automatic Alarm generation triggered by transmission interruptions.

Save energy and space, reduce heat radiation from workstations at the desk.

Remote control dedicated workstations over twisted pair connections.

Compensate automatically for cable loss.



Description

Interruptions in transmission due to voltage surge, missing video signal or dropped TWP connections automatically trigger visual and/or acoustic alarms.

With WS Remote you can readily remote local workstations to a protected system room or cabinet.

Clear the desks! Use office space more effectively and benefit from a smaller desk footprint without computers at the workplace.

Save energy and costs for air-conditioning in the office environment.

Minimize or re-use infrastructure cabling, depending on your requirements.

Highlights

- **Alarm Management System**
- **Remote video, audio and data links over twisted pair cable**
- **Reduce noise emissions and heat radiation at the desk**
- **Downsize desk footprints**
- **Full or semi automatic adjustment of gain, equalization and skew to compensate for cable loss, latency and attenuation**
- **On-screen menu for fine tuning and adjustment of settings controlled from the keyboard at the desk**
- **Achieve up to 200m distance between desks and system room**
- **Redundant power supplies**

Features

Transmission

2 Video, 1 Audio, 1 Keyboard, 1 Mouse and 2 Serial (for touch screens) data signals are all transmitted in real time over twisted pair cable (min. CAT5e UTP/STP).

Maximum distance

The maximum distance is 200m depending on:

- Bandwidth and skew of cable
- Screen resolution and video signal frequency
- Number of cable patches

Video

Video signals coming from the transmitter side of the workstation graphic card are analog (D-SUB HD15).

WS Remote Security supports most formats up to 1920x1200@60Hz, as well as some non-VESA compatible formats.

Redundant power supplies

The transmitter can be powered either by dual external power supplies or the USB port of the computer.

Video images remain visible even in the case of simultaneous failure of all redundant power supplies.

PC operation

PCs are operated remotely from the desk over the receiver console, but can also be controlled over the transmitter console in the system room. Priorities are assigned via user settings (OSD).

Alarm Management

Alarms

Alarms are automatically generated by transmission faults due to

- Power failures
- Unavailable video signals
- Interruptions in TWP connections

Adjustable settings for alarm signals

- Acoustic over the speaker
- Visual on the monitor (OSD)
- Alarm contact (potential free) to a siren or telephone

Records

Alarm Management records complete with date and timestamps are stored in a log file.

Alarm notifications recur hourly until fault resolution.

Product lines

WS-Remote Security is available as:

Standalone module

- Dual Receiver
- Standalone receiver console with an external power supply

Technical Details

	Tx	Rx
Current	450 mA	500 mA
Power consumption	2.25 W	6 W
Max. cable length	200 m	
Audio level	max. 1 V RMS	
Alarm contact	max. 1 A / 30 V	
RS232 Protocol	E271-2210	