

Expanding vision  
beyond  
wired networks



## SmartSight™ 1000

### Wireless Encrypted Digital Video



#### ● Product Overview

Designed for the CCTV market, the SmartSight™ 1000 is the industry's first secure wireless video system. The video signal is encrypted using the latest 128-bit encryption, maintaining the level of security that users of wired video monitoring systems expect.

Based on digital technology, the SmartSight™ 1000 offers a 20 to 1 improvement in interference rejection over traditional AM/FM analog systems. This feature enables it to operate reliably over the long term regardless of any new sources of interference.

The video transmitted by the SmartSight™ 1000 offers a clear crisp image not subject to fading and ghosting common to analog systems. The easy plug and play installation, compact design and tight integration with motorized domes and pan-tilt-zoom cameras make it the preferred solution for industry experts in the CCTV and video security markets.

#### ● SmartSight™ 1000 offers

- MPEG4 based wireless video to ensure long-term reliable installation and high interference resistance
- Support for pan-tilt-zoom and video transmission all in one unit
- 4 mile line-of-sight operation using built in antennas (no unsightly parabolic antennas)
- Auto-detect frequency ensuring quick problem free plug and play setup
- Compact, weatherproof design with an all external connector concept for easy installation anywhere
- Transparent connectivity to all serial based motorized domes, PTZ cameras, and other serial devices such as access control panels
- Simple connectivity to PIR detectors, audible alarms, and other sensors/alarms using programmable digital inputs and relay outputs
- Optional bi-directional audio interface enabling support of gate access phone, public address systems and microphones
- Easy software upgrade path to monitor remotely over computer network or the Internet\*

\* Future release

## Specifications

### Microwave

Frequency.....	2.400-2.4835GHz
Power output.....	per FCC 47 CFR, part 15.247 (USA) & IC RSS 139 (Canada)
Number of selectable channels..	11 (3 non-interfering)
Encryption.....	128-bit RC4 algorithm
Range* .....	up to 4 miles with integrated antenna (clear line-of-sight)
.....	7 miles with optional 16 dBi patch antenna (at receiver only)
.....	15 miles with optional 16 dBi patch antenna (at both receiver and transmitter)

### Video

Video compression.....	MPEG4
Max. receiver wiring distance....	750 feet (229m)-RG-59/U
Video input .....	1 input – 1 Vpp. into 75 Ohms Composite PAL/NTSC (transmitter only)
Video output .....	1 output - 1 Vpp. into 75 Ohms Composite PAL/NTSC (receiver only)

### Alarm/PTZ/Audio

Alarm inputs .....	2 dry contact inputs
Alarm output .....	1 relay contact output (up to 48V at 100mA)
Bi-directional data .....	EIA/RS-232 or EIA/RS-422/485 transparent serial port – Autosense™ (supports any pan-tilt-zoom serial protocols)
Bi-directional audio.....	Input: 0dBm into 600 Ohms Output: -8dBm into 600 Ohms

### Power

Input voltage .....	9-16VAC, 12-24VDC (24VAC optional)
Typical input power .....	6 watts

### Physical

Enclosure .....	NEMA 4X / IP 65 powder coat painted die-cast aluminum with wall mounting brackets
Size .....	9 in. L x 3.9 in. W x 3.8 in H (230 mm L x 100 mm W x 96 mm H)
Environmental.....	-22°F to 122°F (-30°C to 50°C)
Humidity .....	95% at 122°F (50°C) non condensing

\* At 77°F (25°C) ambient temperature

\*\* Not compatible with S1000-24VAC

### Ordering

#### SmartSight™ 1000

Part number .....	S1000
Includes .....	Transmitter and receiver with integrated antenna and wall mount brackets

Part number .....	S1000-24VAC
Includes .....	S1000 with 24VAC input

#### SmartSight™ 1000 options:

Part number .....	S1000-JB **
Includes .....	One (1) junction box with 24VAC power input with both wall mount and pole mount brackets

Part number .....	S1000-PM
Includes .....	One (1) set pole mount brackets with adjustable stainless steel straps

Part number .....	S1000-PA
Includes .....	One (1) 16dBi gain patch antenna with SMA-N cable 3 feet length (need 2 for 15 mile range)

Part number .....	S1000-PS
Includes .....	One (1) 110VAC power supply

Part number .....	S1000-CA-8P
Includes .....	cable assembly for audio and alarms (10 feet length)

### Certification and Regulatory

USA: FCC 47 CFR, part 15.247/UL listed

Canada: IC RSS 139



1800 Berlier  
Laval, QC H7L 4S4  
CANADA

T: 450 686.9000  
888 494.7337  
F: 450 686.0198

sales@smartsightnetworks.com  
www.smartsightnetworks.com