

**SolsticeCam™**

Wireless Solar Powered Camera Systems

**SS-FAC - 700 - 5280 (1 mile) - KP Series**



**SolsticeCam™ MODEL: SS-FAC-700 / 5280 - KP**

SolsticeCam™ Fixed Analog Camera System:

This complete and fully integrated solar power surveillance unit provides safe and reliable camera surveillance by transmitting video up to 700 ft. / 1 mile / 10 miles Line-of Sight (LOS) for 24 hours a day where it can be recorded from a location convenient for you. The unit provides power generation by converting the energy of the sun without the need and expense of trenching for utility power. The sealed, deep-cycle enclosed battery provides extended life for solar applications. The schedule 40, 20 ft. 4 in. diameter aluminum pole structure (not included in KIT Series) is easily setup and is corrosion resistant for the most severe weather conditions. This unit is practically maintenance-free and comes pre-wired for minimum setup time and installation. All SolsticeCam™ units come with a one year guaranteed warranty with an optional two or three year extended warranty.

**[WECU Surveillance.com](http://WECU Surveillance.com)**

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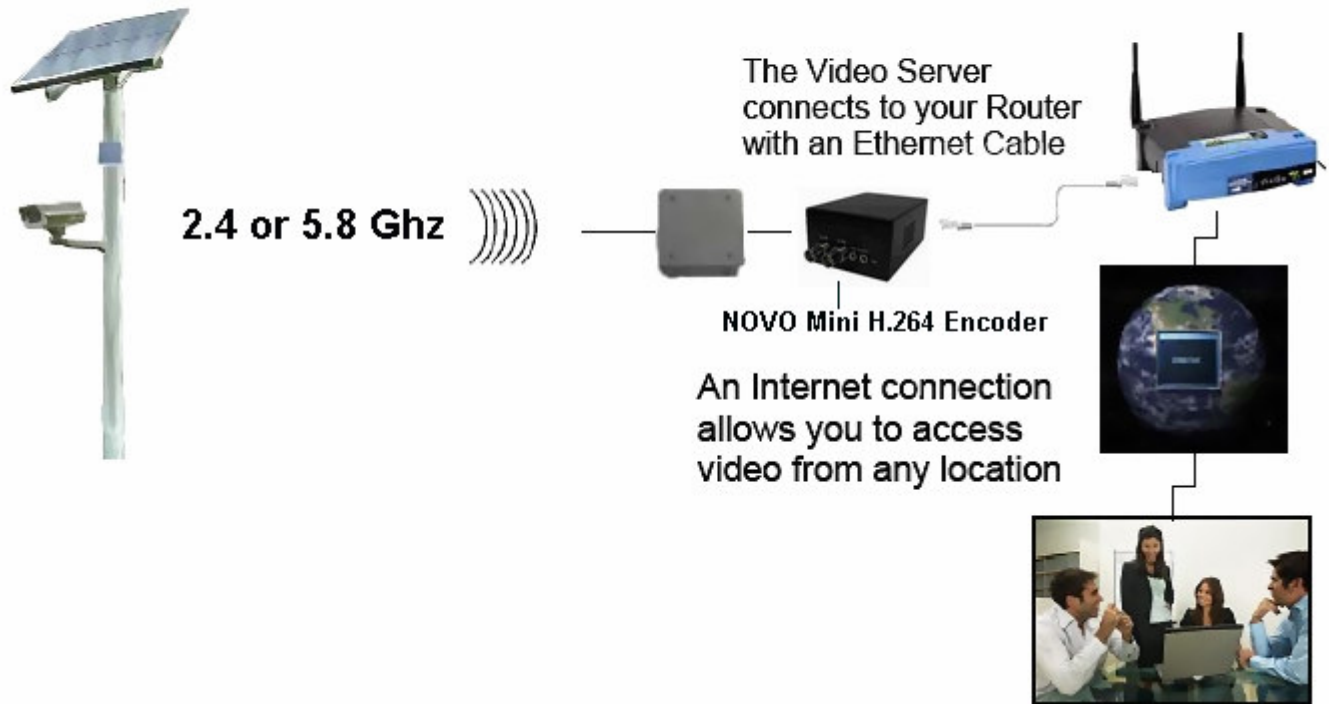
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# Wireless Solar Powered Fixed Analog Unit SS-FAC- 700 / 5280 (1mile) - KP Series



COMPONENT	DESCRIPTION	QUANTITY
SOLAR PANEL	25x21x1½"	1
SOLAR PANEL MOUNT	Standard Adjustable Top of Pole Mount	1
TOP POLE	15 ft. Sch. 40 Aluminum, 4.5 in. diameter	1
BASE POLE	5 ft. Sch. 40 Aluminum, 4.5 in. diameter	1
POLE COUPLING	24 in. Aluminum 4 in. diameter	1
ENCLOSURE	16x14x8" Fiberglass with enclosed circuitry and mounting hardware	1
CAMERA	Sony SuperExwave 1/3" color, day/night	1
CAMERA LENS	4-9mm / 5-50mm DC Auto Iris, fixed to camera	1
TRANSMITTER/RECEIVER	4 Ch. 2.4 GHz Microwave RX/TX pre-wired and fixed inside enclosures	1
TRANSMITTER ENCLOSURE	4x4x5" Fiberglass with mounting hardware	1
RECEIVER ENCLOSURE	6x6x4½" Fiberglass with mounting hardware	1
BATTERY	12V 55 A-H, Sealed Led Acid, absorbent glass mat	1

Note: 5.8 GHz only good for max distance 4 miles (CLOS) Clear Line Of Sight

Note: 2.4 GHz or 5.8 GHz must have (CLOS) to work correctly; repeaters will be required for NON-LOS

# SPECIFICATIONS

SS-FAC- 700 / 5280

Construction	Weatherproof Structure with Sunshield Protection
Pole	4.5 in. diameter schedule 40 aluminum pole at 20 ft
Enclosure	Fiberglass weatherproof enclosure
Solar Requirement	2.0 solar rating or higher
Solar Output	12V DC with 5 day no-sun backup

## Camera Sony SSC-E473

Image Device	1/3 type Interline Transfer CCD with Super Exwave
Picture elements	(HxV) 768 x 494 (NTSC) 752 X 582 (PAL)
Sensing area	1/3 type format (4.8 x 3.6mm)
Horizontal Resolution	540 TV lines
Lens mount	CS-mount
Minimum illumination	Color: 0.55 lx at F1.2 / B&W: 0.05 lx at F1.2
Day/Night Function	Auto/Manual selectable
AGC	TURBO/OFF switchable
CCD IRIS	ON/OFF switchable, 1/60 to 1/1000,000 s
White Balance (WB)	Auto White Balance Pro(ATW Pro)
Back-Light Compensation (BLC)	ON/OFF switchable
S/N ratio	More than 50dB (AGC OFF, WEIGHT ON)
Video Output	BNC, 1.0 Vp-p, 75 Ohm, sync negative
Auto iris lens	DC servo
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Dimensions	(WxHxD) 60 x 53 x 124 mm (23/8 x 21/8 x 5 inches)

## Transmitter

Frequency	2.4 GHz (License Free)
RF Output	100 mW
Channel Frequency	2450-2483 MHz
Frequency Stability	+/- 250 KHz, PLL Frequency Synthesizer
Video Deviation	6.3MHz p.p
Video Input	NTSC or PAL 1Vpp
Voltage	10-13 Vdc @ 300 ma
Operational Temp	-30C to 50C
Transmitter Antenna	Directional

## Receiver

Frequency	2.4 GHz (License Free)
Channel Frequency	2450-2483 MHz (4 channel)
Frequency Stability	+/- 250 KHz, PLL Frequency Synthesizer
Image Rejection	30 dB min.
Gain	3 dB
Output	NTSC or PAL 1Vpp
Voltage	10-13 Vdc @ 300ma
Operational Temp	-30C to 50C
Receiver Antenna	7 dB
FCC ID Number	Tested under Part 15