

# WIRELESS CARD

User's Manual

SNCA-CFW1

**FCC Compliance**

This device complies with Part 15 of the FCC Rules. Operation is subject to following two conditions:(1) this device may not cause harmful interference. and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B Peripheral, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been tested to comply with the limits for a Class B peripheral, pursuant to Subpart B of Part 15 of FCC Rules. Only peripherals (Network camera) certified (DoC) or verified to comply with Class B limits may be attached to this equipment. Operation with non-certified (DoC) or non-verified personal computer and/or peripherals is likely to result in Interference to radio and TV reception. The connection of a unshielded equipment interface cable to this Equipment will invalidate the FCC Certification of this device and may cause interference levels which Exceed the limits established by FCC for equipment.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

**For mobile devices without co-location condition**

FCC RF Radiation Exposure Statement:

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device was not tested FCC RF Exposure (SAR) limits. User must be keep distance at least 20cm separation distance from the antenna to the body of the user or a nearby person. This device cannot be used with handheld PDAs (personal digital assistants), desktop or laptop computers. Use in other configurations may not ensure compliance with FCC RF exposure guidelines.

**Canadian Warning Statement:**

This Class B digital apparatus complies with Canada RSS-210.  
Cet appareil numérique de la classe B est conforme à la norme CNR-210 du Canada

**DGT Warning Statement:**

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。  
前項合法通信，指依電信規定作業之無線電信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

**Limitation for use in the EU**

This device can operate indoors or outdoors in all countries of the European Community using the 2.4GHz band: Channels 1 – 13, except where noted below:

- \* In Italy the end-user must apply for a license from the national spectrum authority to operate this device outdoors.
- \* In Belgium outdoor operation is only permitted using the 2.46 – 2.4835GHz band: Channel 13.
- \* In France outdoor operation is only permitted using the 2.4 – 2.454 GHz band: Channels 1 – 7.

## 1. Introduction

SONY Wireless Network Adapter offers performance comparable to Ethernet Local Area Network (LAN) system, without the limitations of network cables. It allows you to connect Network camera to a Local Area Network from anywhere within the wireless coverage area. It also enables you to roam throughout the network while remaining connected to the LAN.

## Package Contents

Make sure the following materials are available before beginning:  
SNCA-CFW1 Wireless LAN Card

## System Requirements

This Wireless LAN Card only operate with SONY Network camera.  
Laptop PC, Desktop PC, PDA or other peripherals cannot work properly.

## option

- a) External polarity antenna with 1m long cable

## 2. Installation guide

### 802.11b Wireless LAN Card

Before insert Wireless LAN card, make sure Network camera's power switch is off.  
After insert Wireless LAN card into CF slot, power on Network Camera's Power switch.

#### Network configuration

- a) Install Utility Software into PC.
- b) Connect PC and Network Camera by Ethernet cross cable.
- c) After insert Wireless LAN card, switch on Network Camera.
- d) Start utility program.
- e) Setting IP address.
- f) Setting SSID.
- g) Setting WEP

### External polarity antenna

Wireless LAN card has external antenna connector. External antenna can expand communication distance.

#### Installation

- a) Setting Antenna.
- b) Use 1m long cable, connect Antenna connector and Wireless LAN card external connector.
- c) By Utility software, select "External antenna".

### 3. Specifications

#### WIRELESS CARD (model name : SNCA-CFW1)

##### Absolute Maximum Ratings

Supply Voltage	-0.3 to 3.6V (max.)
Storage Temperature	-25 to 60 degree

(All temperature references refer to ambient conditions)

##### Operating Conditions

Supply Voltage range	3.0 to 3.6V
Temperature Range	-20 to 55 degree

##### Electrical Specifications

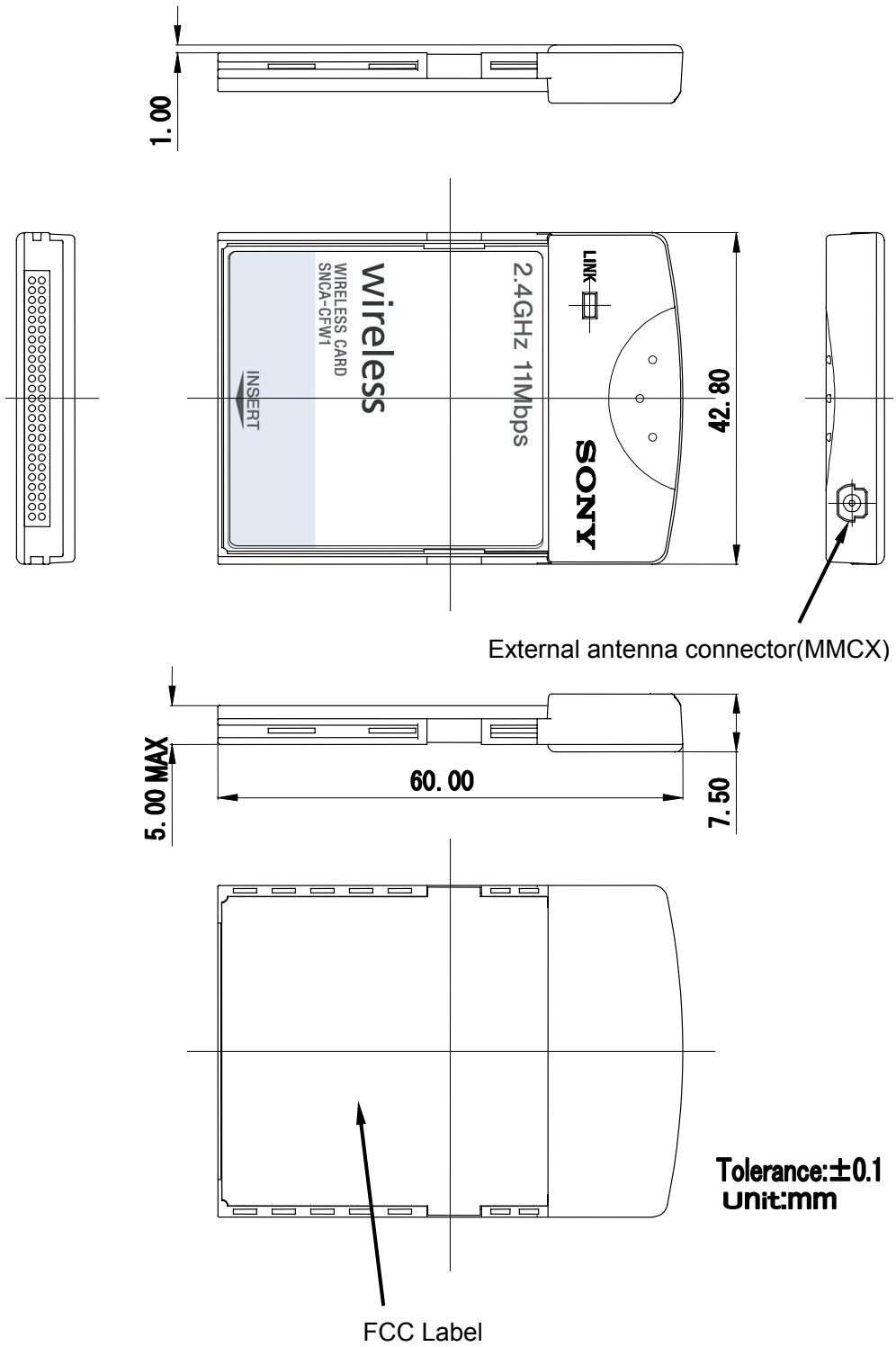
Current consumption	
Transmit mode	380mA max.
Receiving mode	300mA max.
Center Frequency Range	2412 to 2462MHz (11ch)
Antenna Gain(Internal)	2.14dBi max.
(External-polarity)	6.4 dBi max.(include Cable Loss 2.8dB)
Transmitter power	+15dBm max.
E.I.R.P.	+17.14dBm max.
Receiving Sensitivity	-76dBm max. (FER 8e-2 at 11Mbps)
Data rate	11, 5.5, 2, 1Mbps

#### External polarity antenna (Model name: )

Storage Temperature	-30 to 70 degree
Operating Temperature Range	-20 to 60 degree
Frequency Range	2.4 to 2.5 GHz
VSWR	1.5 max. (within Frequency Range)
Impedance	50 ohm (typ.)
Peak Gain	6.4dBi (include Cable Loss 2.8dB)
Beam width	+/-30 degree min.

#### 4. Outlook Dimensions

##### Wireless LAN card



4. Outlook Dimensions

External Polarity Antenna

