



**CAMSAT**  
www.camsat-wireless.com

**CAM5816h**  
**8-channel RF 5.8 GHz**  
**Wireless Video Transmitting-Receiving Set**

Designed for wireless PAL or NTSC video signal transmission over the radio-link on ISM 5.8 GHz band. Supports up to 8 channels within 5725 to 5875 MHz frequency band. Each of 8 channels has factory defined operating frequency. It has one Video BNC Input connector and two Audio Input/Output connectors.

**Contents of CAM5816h package.**

- Video/Audio Transmitter with integrated mini antenna
- Video/Audio Receiver with integrated directional antenna.
- Mounting bracket x 2 pcs.
- Mounting clamp (Cybant 35÷50mm) x 2 pcs.

**Specifications:**

Operating frequency	5,725 ÷ 5,875 GHz
Power	< 12dBm
Modulation	FM
VideoInput	- 75 Ω / AUDIO - 600 Ω
Antenna Input	Integrated 50 Ω
Power supply	9 ÷ 14V / 500mA DC
Operating temperature	-20 °C ÷ + 55 °C
Dimensions WxHxD	110x130x50 mm
Index of Protection	IP65
Weight	0,4 kg x 2 pcs

**Warranty:**

**Camsat grants 24 month warranty for 8-channel RF 5.8 GHz Video Signal Transmit/Receive Set named CAM5816h**

1. The warranty covers product's defects caused by faulty components or workmanship.
2. The product must be delivered to sales point or to manufacturer directly, along with proof of purchase, problem description and this warranty card. Shipping costs are to bear by claimer of complaint.
3. Defects disclosed during warranty period shall be removed free of charge within no longer than 14 working days from the date of delivery of claimed equipment.
4. The Warranty does not cover:
  - Products, that has been operated in contrary to their instructions or their use.
  - Mechanical and chemical damages.
  - Any claims to technical parameters as long as they were consistent with those indicated by the manufacturer. .
5. All questions not settled in this Warranty shall be governed by provisions of Polish Civil Code.

**Assembly:**

Screw the mounting bracket to the base of device. Using the mounting clamp, attach the device to a sturdy antenna rod with antenna directed to an receiving point. (**Note:** a „line of sight“ is required for the transmitting antenna and the antenna of receiving part).

Connect the signal cables and power cables according to descriptions on the PCB. Set the required channel according to the Table. The polarity and channel number must be same for both interacting transmit/receive devices. There is the adjusting potentiometer within transmitting part for setting the video-contrast, which enables proper matching of signal source connected.

**SETTING CHANNELS OF WORK**

Ustawienia kanałów pracy							
<b>1</b> 5,733	<input type="checkbox"/> ON 1 2 3 4	<b>2</b> 5,762	<input type="checkbox"/> ON 1 2 3 4	<b>3</b> 5,771	<input type="checkbox"/> ON 1 2 3 4	<b>4</b> 5,790	<input type="checkbox"/> ON 1 2 3 4
<b>5</b> 5,809	<input type="checkbox"/> ON 1 2 3 4	<b>6</b> 5,828	<input type="checkbox"/> ON 1 2 3 4	<b>7</b> 5,847	<input type="checkbox"/> ON 1 2 3 4	<b>8</b> 5,866	<input type="checkbox"/> ON 1 2 3 4

**Connectors:**

GND – audio signal minus

A-L - Audio left channel

A-R - Audio right channel

GND – power minus

+12V - power plus; 9-13V, minimum 500mA

(Note: due to a RF interference, a switching-mode power supply adaptor is not recommended for transmit/receive modules.)

**Old equipment disposal**

1. When the following crossed out wheeled waste-bin symbol is attached to your product, it does mean the product was covered by the 2002/96/EC European Directive.
2. All electric and electronic products shall be disposed separately from municipal wastes, using special dedicated locations for these purposes, advised by the government or local authorities.
3. Proper disposal of old equipment shall help in prevention of negative effects to the health and environment.
4. To get more information on methods of disposal of old equipment, you should contact the competent local authority, or company dealing with waste disposal, or the seller you bought the equipment from.



Offer and Information: [www.camsat-wireless.com](http://www.camsat-wireless.com)

Technical service: [serwis@camsat.com.pl](mailto:serwis@camsat.com.pl)