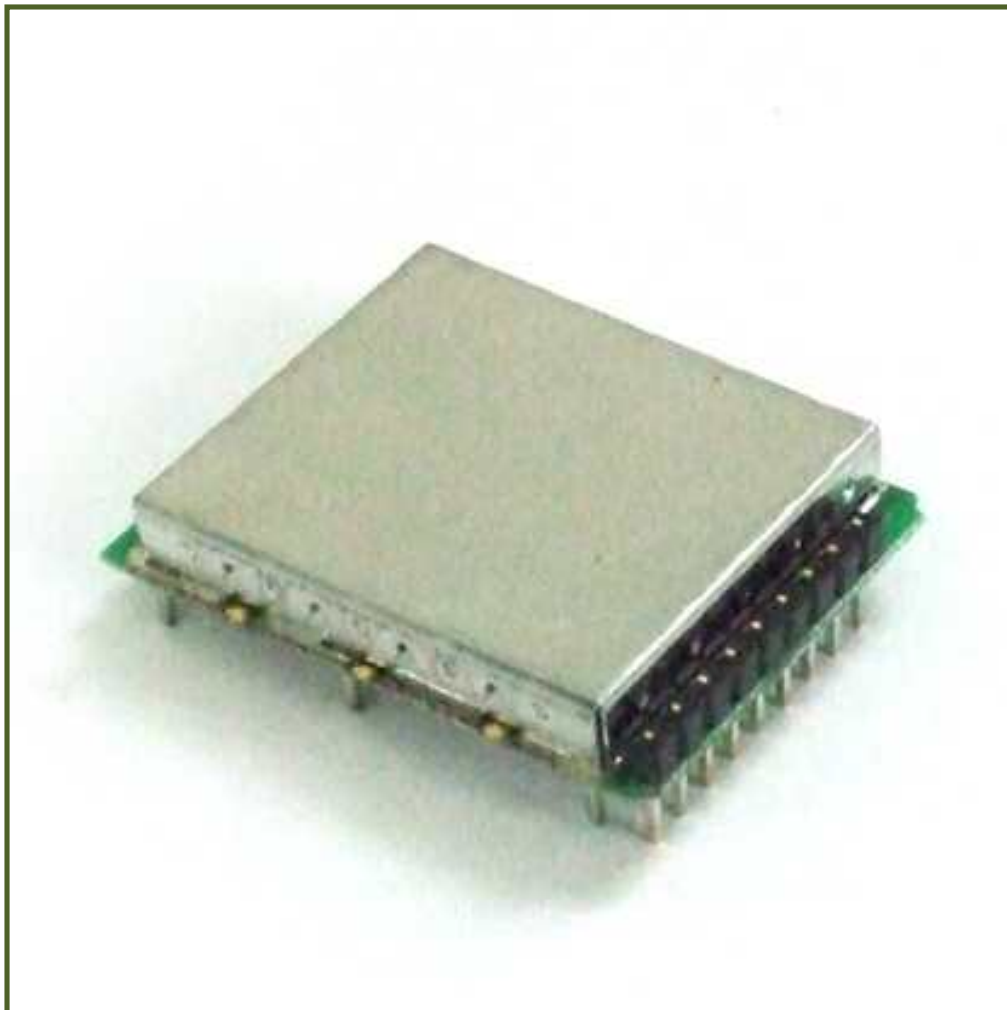


2.4GHz Video/Audio Receiver Module

NR-AV24RM Ver 7.0

Related Products : NR-AV24HTU (2.4GHz A/V Transmitter Unit 150mW)
NR-AV24HTM (2.4GHz A/V Transmitter Module 150mW)
NR-AV24LTU (2.4GHz A/V Transmitter Unit 10mW)
NR-AV24LTM (2.4GHz A/V Transmitter Module 10mW)
NR-AV24RU (2.4GHz A/V Receiver Unit)



1. 2.4GHz Video/Audio Receiver Module.

- * NR-AV24RM is a 2.4 GHz Video/Audio(stereo) Receiver for ISM band.
- * NR-AV24RM can receive both NTSC and PAL video signals wirelessly so that CCTV/VTR/ Video camera may be used in the places where wired connection is not available.
- * NR-AV24RM, being able to receive both NTSC and PAL, can be used for Korean as well as foreign products design without alteration of module.
- * NR-AV24RM adopts FM-method modulation/demodulation for high quality wireless video/audio reception, so you get clearer picture and higher sound quality.
- * NR-AV24RM is developed as IC chip dedicated to video/audio reception, minimizing the components use. It can work on low power as well.
- * NR-AV24RM, being developed in such a way as PLL Synthesizer, supplies stable frequency, and also can alter frequency into maximum 4 receive channels.

2. Features & Applications.


- . Clearer picture and higher sound quality, using 2.4 GHz
- . Transmission of video and audio signals.
- . Transmits both NTSC/PAL signals.
- . Supplies stable frequency as PLL Synthesizer, and can avail maximum 4 different channels.
- . Requiring only a few components around the module, it is easy to apply.

3. 2.4GHz Video/Audio Receiver Module Specification.

Item	Specification
Supply Voltage	DC 5V
Supply Current	Under 180mA
Receive Channel	Max 4-Channel
Video S/N Ratio(100KHz 1Vp-p)	Min 40dB
Video Output Signal Level	1Vp-p (+/-0.2Volt)
Video Frequency Response	+/-5dB, max 50Hz~5.5Mhz
Audio Output frequency Range	50Hz ` 20KHz
Audio Output Level	3Vp-p
Frequency	1-ch : 2.414GHz 2-ch : 2.432GHz 3-ch : 2.450GHz 4-ch : 2.468GHz

4. 2.4GHz Video/Audio Receiver Module Pin.

PIN Define (Top View)

Pin 01	VCC		GND	Pin 10
Pin 02	Bypass		RF IN	Pin 11
Pin 03	GND		GND	Pin 12
Pin 04	Audio_R			
Pin 05	Audio_L			
Pin 06	Video			
Pin 07	CH3			
Pin 08	CH2			
Pin 09	CH1			

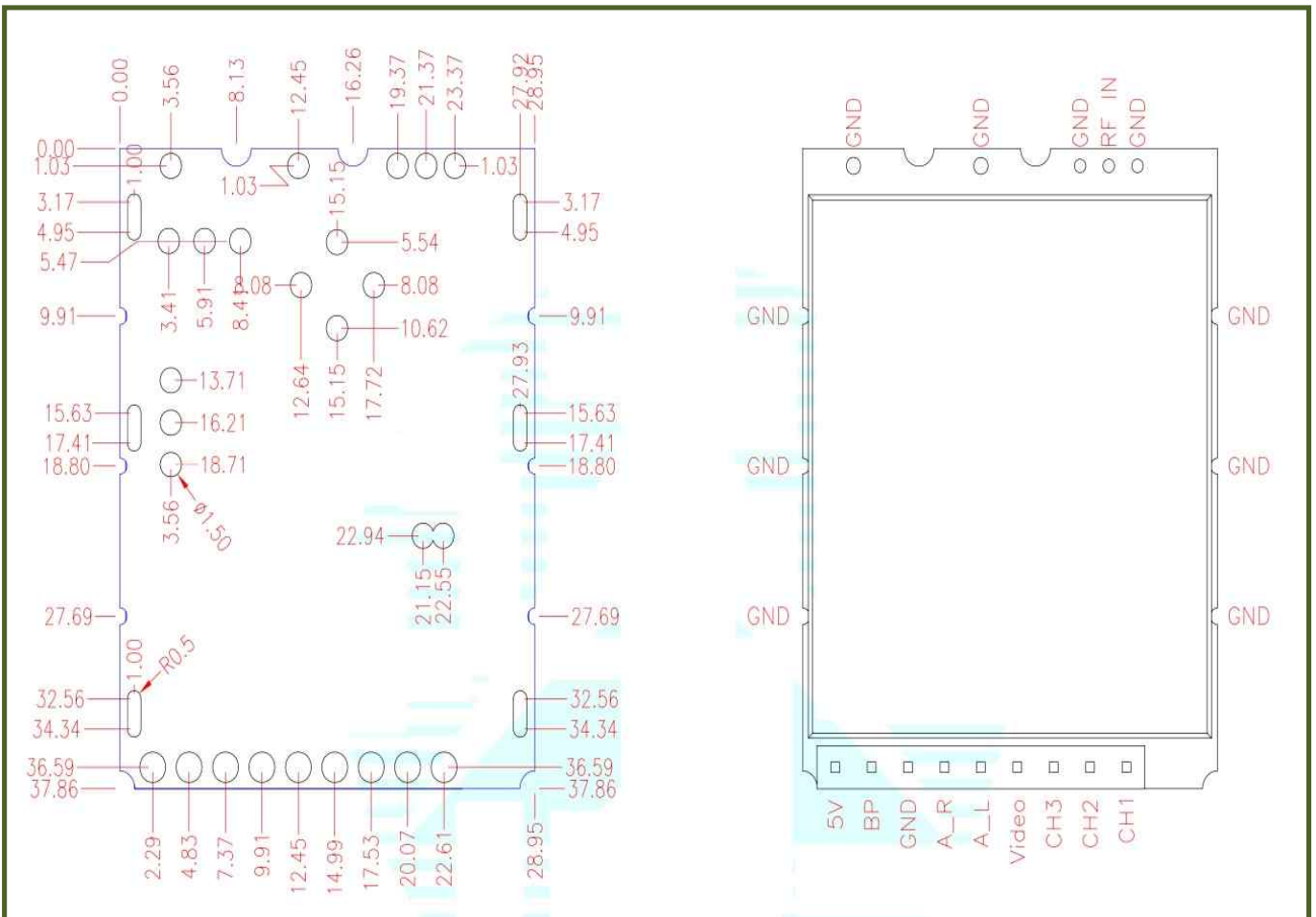
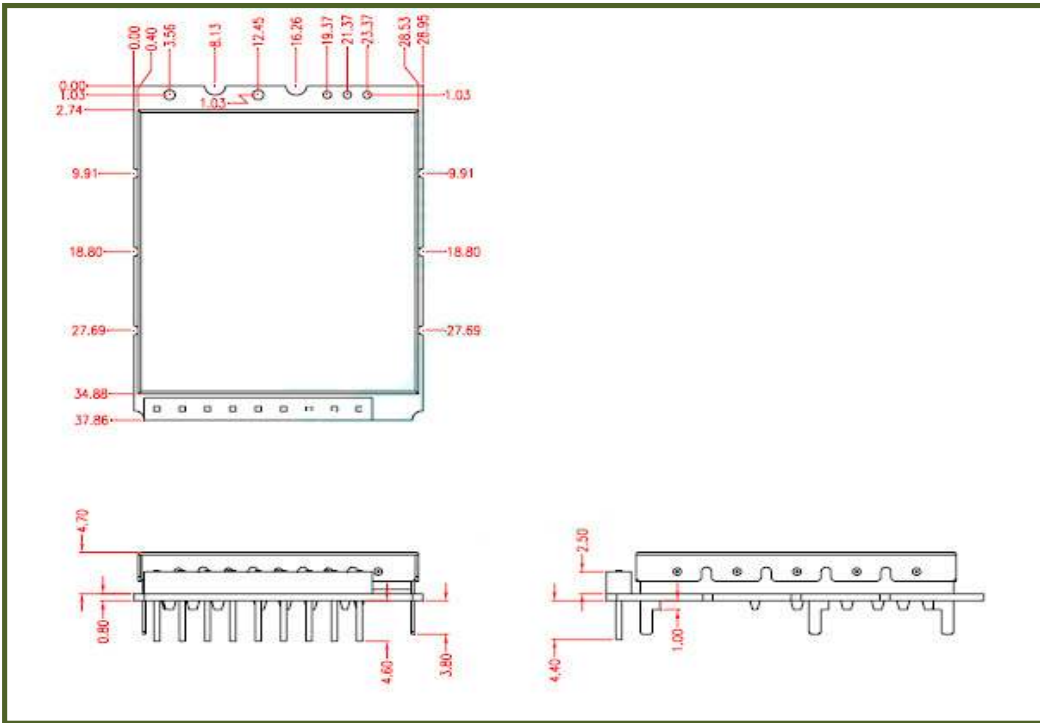
PIN Descriptions:

PIN	NAME	Descriptions
01	VCC	DC +5V power supply in ¹ .
02	BYPASS	Bypass capacitor.
03	GND	Ground.
04	Audio_R	Right sound signal output.
05	Audio_L	Left sound signal output.
06	Video	Video signal output.
07	CH3	Channel select.
08	CH2	Channel select.
09	CH1	Channel select.
10	GND	Ground.
11	RF IN	RF received signal input

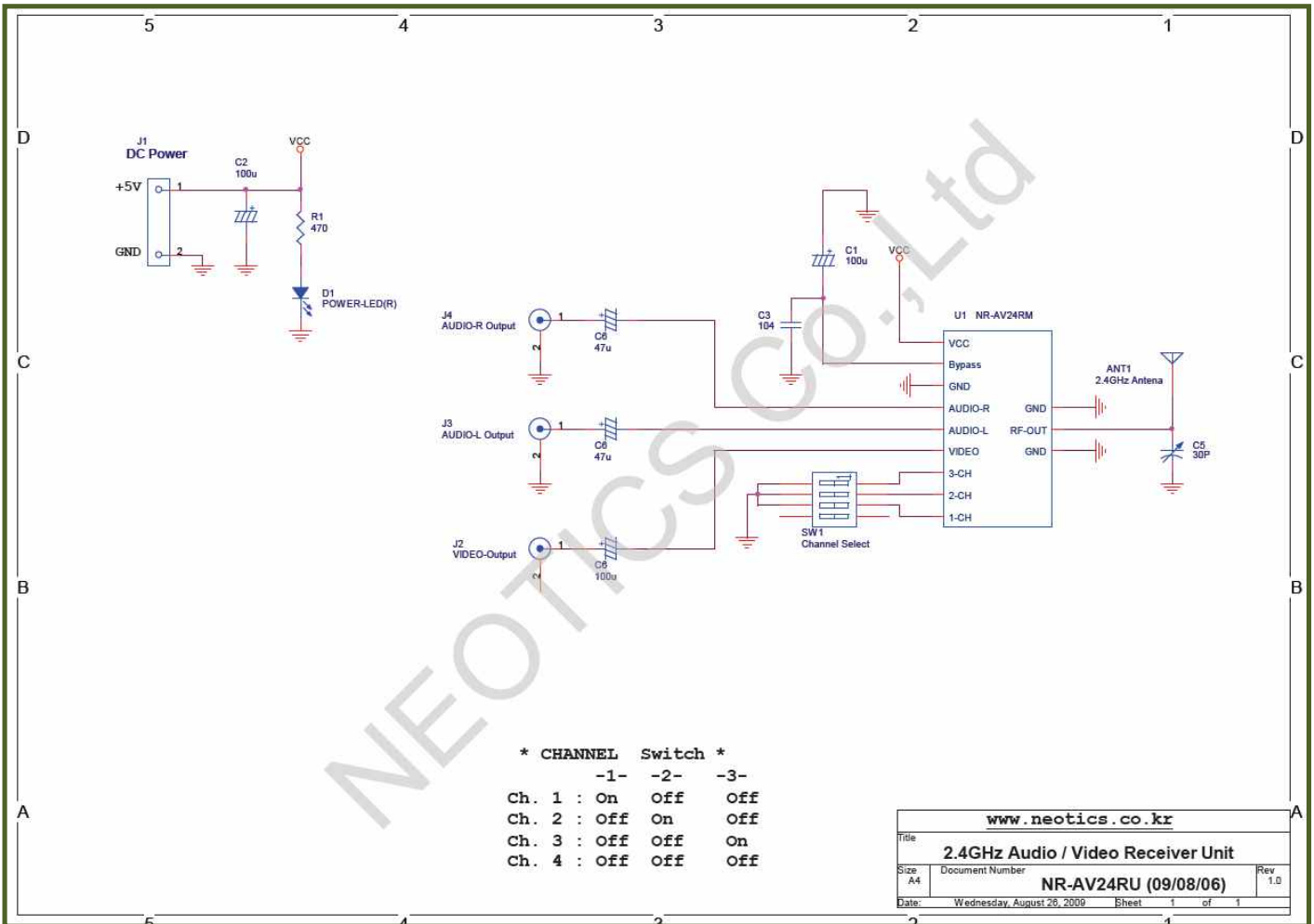
- . VCC : Input DC 5V(+)
- . GND : Input DC power 5V (-)
- . RF In : Connect antenna for 2.4 GHz
- . Video : Output video signal
- . Audio/R In : Output audio signal(right)
- . Audio/L In : Output audio signal(left)
- . Bypass : Exterior component connection terminal
- . DC +5V : Input DC power 5V(+)
- . CH3 : Channel no. 3(2.450GHz) chosen - GND on connection
- . CH2 : Channel no. 2(2.432GHz) chosen - GND on connection
- . CH1 : Channel no. 1(2.414GHz) chosen - GND on connection

(In case of channel 1, 2 and 3 not being chosen, automatically channel 4(2.468GHz) is used.)

5. 2.4GHz Video/Audio Receiver Module Size.



6. 2.4GHz Video/Audio Receiver Module Test Circuit.



******* Caution*******

1. Check the features first to connect with other equipment.
2. This circuit is strictly tested.
3. The developer, manufacturer or dealer is not responsible for any malfunctioning/damage caused by connection with other equipment.
4. Appropriate permit /approval is required for some products utilizing this module, depending on functions and usages.

● For more information and inquiry, please refer to the sites below.

R&D : <http://www.neotics.co.kr>
 Sales : <http://www.logiccamp.co.kr>

E-Mail : neotics@neotics.co.kr
 E-Mail : sales@logiccamp.co.kr