

2.4GHz Video/Audio Transmitter Module

Max 10mW

NR-AV24LTM 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-AV24RM (2.4GHz A/V Receiver Module)
NR-AV24RU (2.4GHz A/V Receiver Unit)



1. 2.4GHz Video/Audio Transmitter Module.

- * NR-AV24LTM is a 2.4 GHz Video/Audio(stereo) Transmitter for ISM band.
- * NR-AV24LTM can transmit 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-AV24LTM, being able to transmit both NTSC and PAL, can be used for Korean as well as foreign products design, without alteration of module.
- * NR-AV24LTM adopts FM-method modulation/demodulation for high quality wireless video/audio transmission, so you get clearer picture and higher sound quality.
- * NR-AV24LTM is developed as IC chip dedicated to video/audio transmission, minimizing the components used. It can work on low power.
- * NR-AV24LTM, being developed in such a way as PLL Synthesizer, supplies stable frequency and also can alter frequency into maximum 4 transmit channels.

2. Features & Applications.

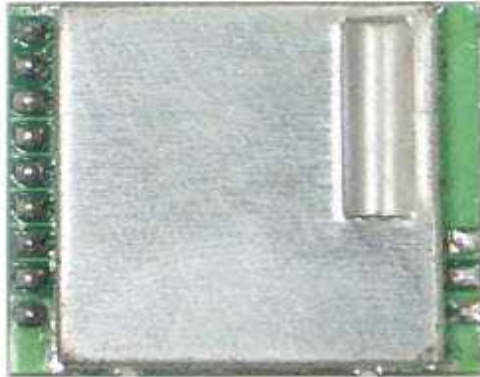
- . Clearer picture and higher sound quality, using 2.4 GHz
- . Transmission of video and audio signals.
- . Transmits both NTSC/PAL signals.
- . Supplies stable frequency as PLL Synthesizer, and can avail maximum 4 different channels.
- . Requiring only a few components around the module, it is easy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

3. 2.4GHz Video/Audio Transmitter Module Specification.

Item	Specification
Supply Voltage	DC 5V
Supply Current	Under 60mA
Transmitter Channel	Max 4-Channel
RF Output Power	Under 10dBm
Antenna Impedance	50Ω
Audio Input Impedance	60K Ohm
Video Input Level	1Vp-p
Audio Input Level	3Vp-p, max
Frequency	1-ch : 2.414GHz 2-ch : 2.432GHz 3-ch : 2.450GHz 4-ch : 2.468GHz

4. 2.4GHz Video/Audio Transmitter Module Pin Information.

PIN configuration:

Pin 01	CH3		GND	Pin 12
Pin 02	CH2		RF OUT	Pin 11
Pin 03	CH1		GND	Pin 10
Pin 04	A/R			
Pin 05	A/L			
Pin 06	Video			
Pin 07	VCC			
Pin 08	Bypass			
Pin 09	GND			

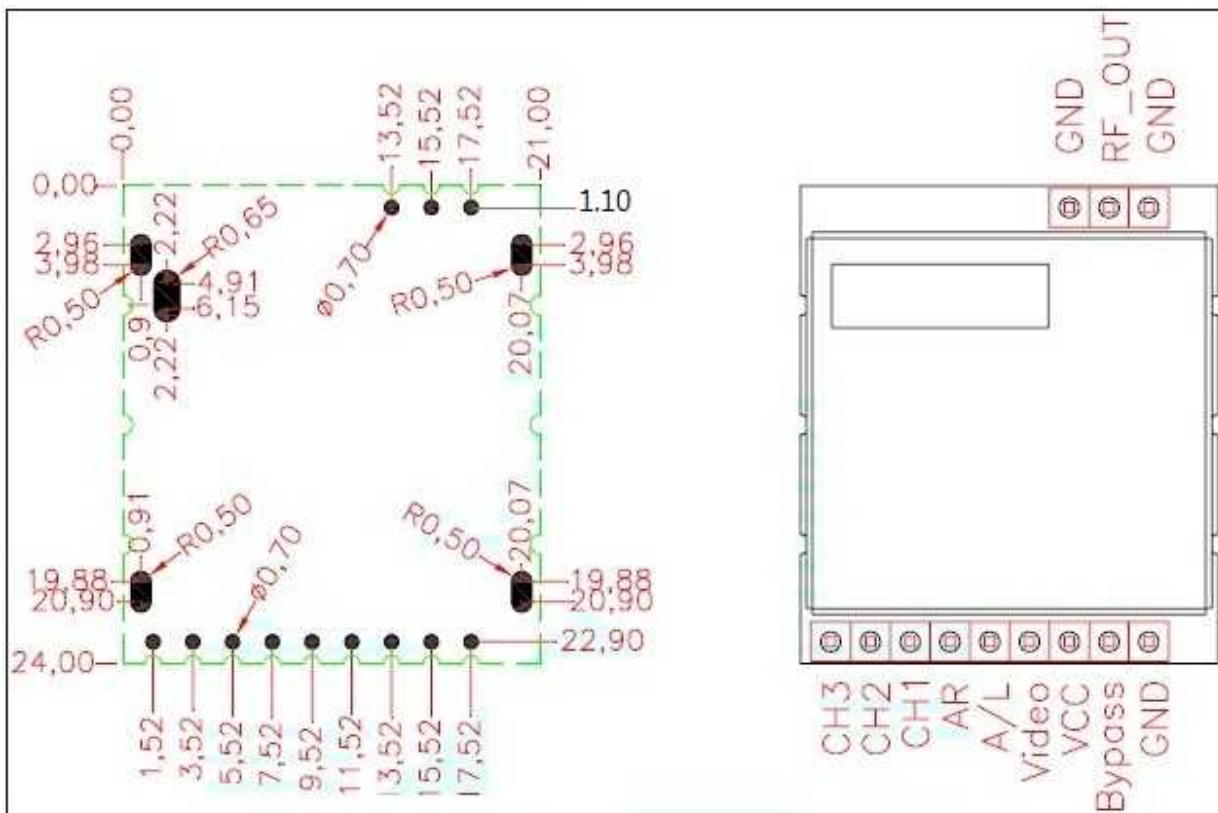
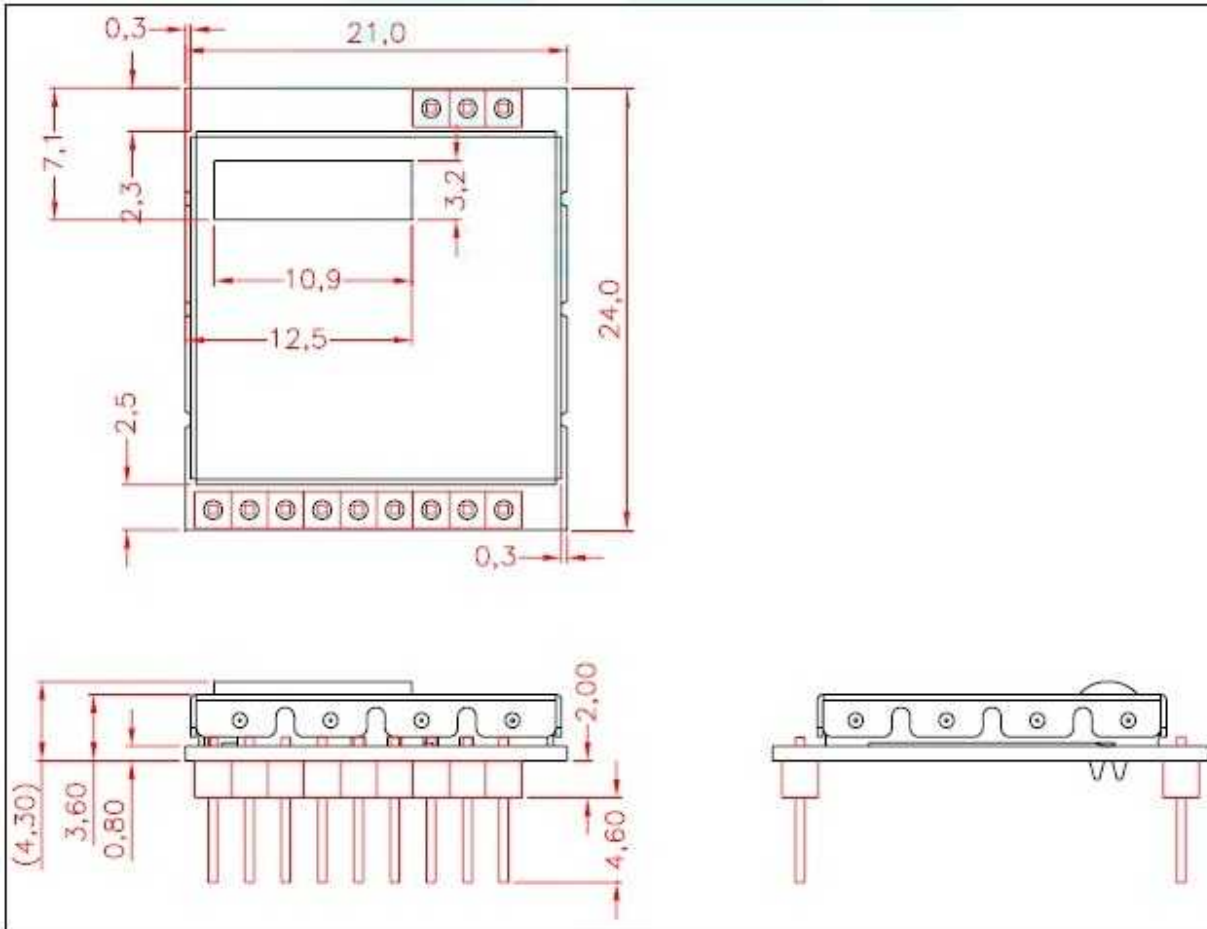
PIN Descriptions:

AWM651 TX

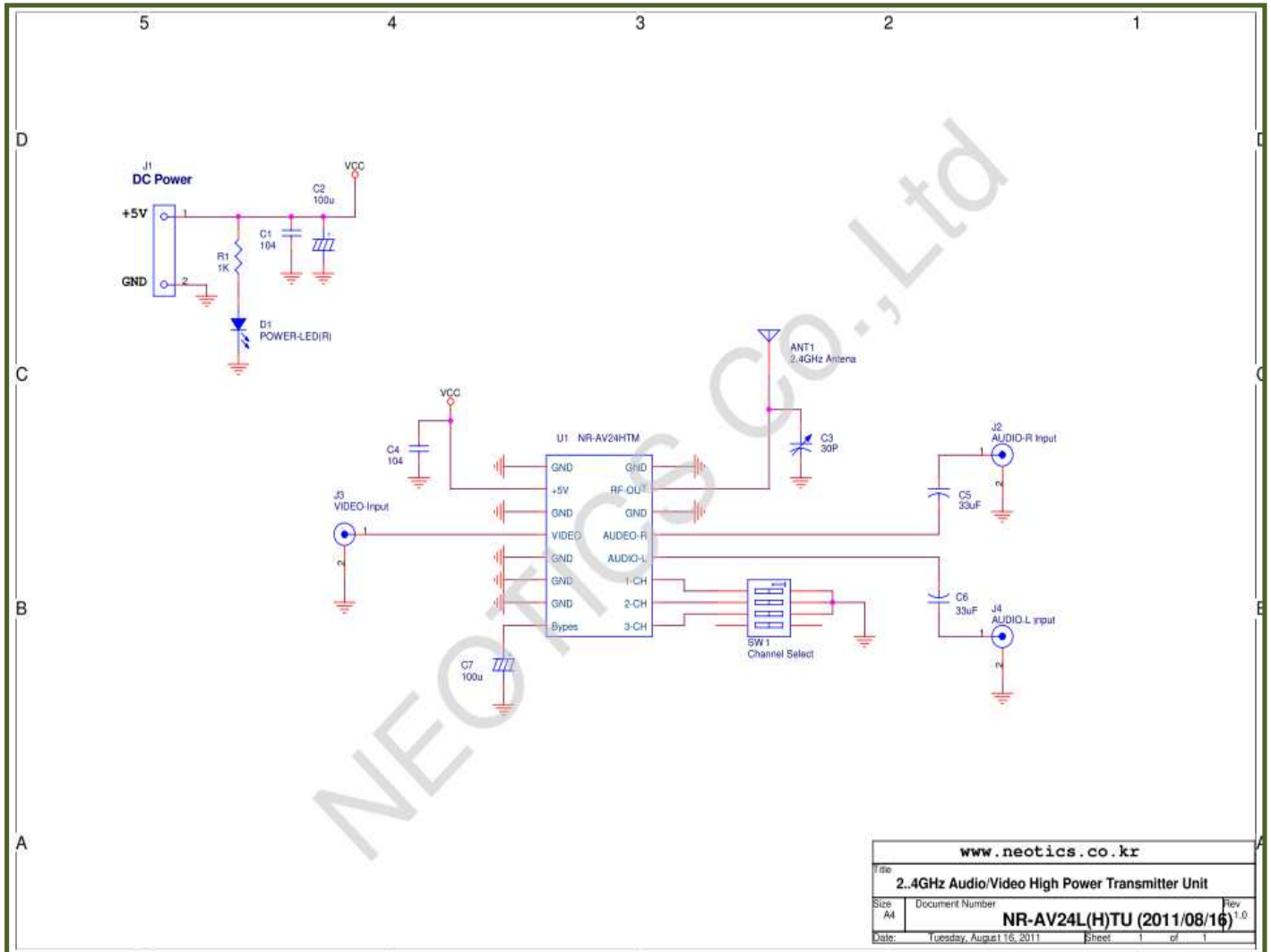
PIN	NAME	Descriptions	PIN	NAME	Descriptions
1	CH3	Channel selection pin ;input	7	VCC	VCC is supply to this pin, input
2	CH2	Channel selection pin ;input	8	Bypass	Bypass.
3	CH1	Channel selection pin ;input	9	GND	Ground.
4	A/R	Analog audio/R input	10	GND	RF_Ground.
5	A/L	Analog audio/L input	11	RF OUT	Transmitter output.
6	Video	Analog Video input	12	GND	RF_Ground.

- . GND : Input DC power 5V (-)
- . RF Out : Connect antenna for 2.4 GHz
- . Audio/R In : Input audio signal (right)
- . Audio/L In : Input audio signal (left)
- . CH1 : Channel no. 1(2.414GHz) - GND on connection
- . CH2 : Channel no. 2(2.432GHz) - GND on connection
- . CH3 : Channel no. 3(2.450GHz) - GND on connection
(In case of channel 1, 2 and 3 not being chosen, automatically channel 4 is used.)
- . Bypass : Exterior component connection terminal
- . Video in : input video signal
- . VCC : Input DC power 5V (+)

5. 2.4GHz Video/Audio Transmitter Module Size.



6. 2.4GHz Video/Audio Transmitter 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>

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