

user's manual instrukcja obsługi

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NVPT-A111VRH

NOVUS™

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user's manual

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This product is manufactured to comply with requirements of following directives and national regulations implementing the directives:

- Electromagnetic compatibility EMC 89/336/EEC with amendments
- Low voltage LVD 73/23/EEC with amendment, in case of electrical equipment designed for use with a voltage rating of between 50VAC and 1000VAC as well as 75VDC and 1500VDC.

Information on Disposal for Users of Waste Electrical and Electronic Equipment

This appliance is marked according to the European Directive on Waste Electrical and Electronic Equipment (2002/96/EC).



By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The symbol on the product, or the documents accompanying the product, indicates that this appliance may not be treated as household waste. It shall be handed over to the applicable collection point for the waste electrical and electronic equipment for recycling purpose.

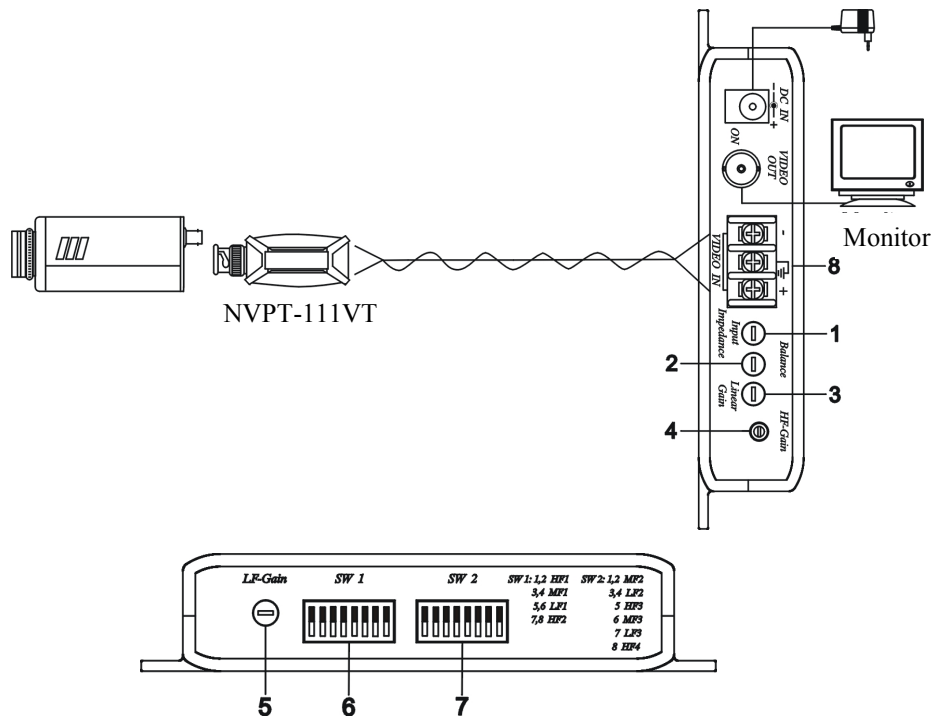
For more information about recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

Technical modification are subject to change without prior notice. Misprints reserved.

Features:

- NVPT-A111VRH Twisted Pair Active Receiver as an amplifier.
- Using passive video transceiver NVPT-111VTP, NV-PT111VTP or NVPT-414V as transmitter, transmit a full motion color video signal up to 1.2 km, B/W up to 2.0 km.
- Built in Input Impedance adjustment.
- Built in Balance adjustment.
- Built in Liner Gain adjustment.
- Built in HF/LF Compensation for color gain.
- Built in a highly balanced mode of video transmission for extra interference immunity.
- Red LED as power on indicator.
- Using three sets NVPT-111XX + NVPT-A111VRH for series connection, range up to 3 km (Color).
- Power supply included.

Installation View:



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Trimmer Function:

NVPT-A111VRH have numerous trimmers as follows, you could adjust them upon different range transmission for best picture quality.

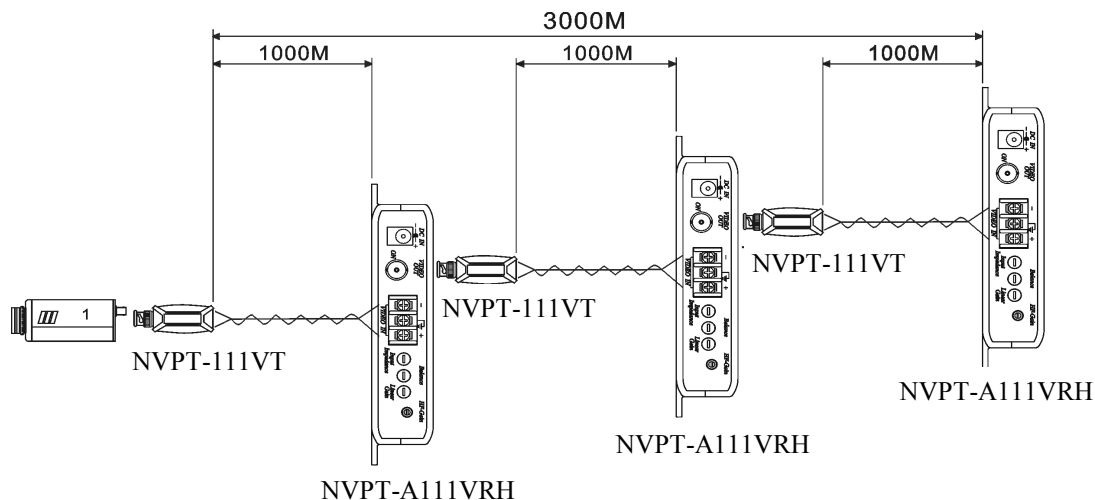
1. Input Impedance - to adjust the impedance matching between NVPT-A111VRH and cable, to transmit long-range video signal without any video loss.
2. Balance - adjust the balance of video signal upon long-range transmission to immunity noise for cleaner picture.
3. Linear Gain - adjust the Linear Gain for appropriate output video signal upon different range transmission.
4. HF GAIN - adjust the HF Gain for color brightness.
5. LF GAIN - Adjust the LF Gain for color contrast.
6. SW1 - adjust the Dip Switch 1 – 8 upon different range, for the best picture quality on color brightness & contrast.
7. SW2 - adjust the Dip Switch 1– 8 upon different range, for the best picture quality on color brightness & contrast.
8. Ground.

Installation:

1. Make sure the all Dip Switch SW1, SW2 (6, 7) at down position.
2. Adjust Liner Gain trimmer – 3 for stable video signal.
3. Then switch SW1, SW2 (6, 7) to up position until good picture quality on color brightness & contrast. Please refer to the following recommended chart on DIP-switch for different range.
4. At last, to adjust other trimmers slightly (1,2,4,5) for best quality picture.
5. Make sure ground to the earth (8), to protect NVPT-A111VRH and other monitoring equipment.

Distance (M)	SW1 (1-8), SW2 (1-8)
0 – 300	x
300 – 600	SW1(1,2) to SW1(1,2,3) up
600 – 900	SW1(1,2,3) to SW1(1,2,3,4,5,) up
900 – 1200	SW1(1,2,3,4,5,6) to SW(1,2,3,4,5,6,7,8)+SW2(1) up
1200 - 1500	SW1(1,2,3,4,5,6,7,8)+SW2(1) to SW1(1,2,3,4,5,6,7,8)+SW2 (1,2,3,4,5) up

Using three sets NVPT-111XX + NVPT-A111VRH for series connection, range up to 3Km (Color).



Troubleshooting:

All transmission distances mentioned above are without connecting image processor (e.g. Quad, Multiplexer, DVR), the transmission range would be reducing 100-200meters upon different camera, cable,DVR...etc.

1. These products are designed for long range transmission, the unit built in video amplifier function. If your transmission range under 100 meters, the video gain function is too big to have snow or wavy, bright image occurred. Recommend to use them with range at least over 100 meters or alternate passive video transceivers NVPT-111XX series for short range transmission as well as cost saving.
2. When finish the installation, but no video signal, please checks Power LED and power source.
3. No video signal, please check cable installation.
4. Video signal is not normal; please check “+” and “-” of cable.

Specification:

	NVPT-A111VRH
Video input	0.12-2 Vp-p
Input impedance	45 - 175 Ohms
Video output	1 Vp-p, 75 Ohms
Freq. response	50 Hz - 5 MHz(-3 dB)
Disturbance reduction	> 70 dB, 50Hz
Gain adjustment	+6 dB...+60 dB at 5 MHz
Noise	-50 dB at+40 dB gain adj. -47 dB at+60 dB gain adj.
Power Consumption	12V DC, 150mA (max)
Input protection	Surge arrester
Indicators	LED (Red)-power on
Material	ABS
Dimensions W x H x D [mm]	138 x 77 x 28

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