

user manual
instrukcja obsługi



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NVC-80CH

NOVUS™

user manual



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

1. Important Safeguards and warnings:

1. Read, keep, and follow these instructions.
2. Heed all warnings.
3. There are no user-serviceable parts inside this unit. Only authorized service personnel may open the unit.
4. Installation and servicing should only be done by qualified service personnel and conform to all local codes.
5. Unplug the unit from the outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power supply cord or plug is damaged.
 - b. If liquid has been spilled or objects have fallen into the unit.
 - c. If the unit has been submerged under water.
 - d. If the unit does not operate normally by following the operating instructions.
 - e. If the unit has been dropped or the cabinet has been damaged.
 - f. When the unit exhibits a distinct change in performance.
6. Unplug the unit from the power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning purposes.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat source or near water (any wet area).
9. Only use attachments / accessories specified by the manufacturer.

The product and / or manual may bear the following marks:



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

This product is carrying the CE-mark in accordance with the related European Directives. Responsible for CE-marking is Novus Security sp. z o.o.

2. Specifications:

The NVC-80CH color CCTV camera features a 1/4" CCD imager which provides high quality stable images. The camera incorporates the latest in IR LED (Light Emitting Diode) technology ensuring superior performance during the night. The diode automatically switches on in low light conditions. The NVC-80CH camera is highly resistant to external disruptions and distortions from magnetic fields, and operates within a wide range of temperatures.

Pick up element	1/4" Color Panasonic CCD imager
Number of Pixels	512(H) x 582(V) <CCIR>
Resolution	380 TVL
Min. Illumination	0.9 lx / F=2.0
S/N Ratio	> 48dB (AGC off)
White Balance	Auto
AGC	Yes
Electronic Shutter	Auto (AES), 1/50 s ~ 1/100 000s
Video Output	1.0 V _{p-p} /75 Ohm
Standard Board Lens	f = 4.0mm
Angle of view (H)	48°
IR LED	12 units Infrared LED
Effective Range	10 m
Water Resistance	IP57
Power Supply	12 VDC
Current Consumption	1.5 W
Dimensions (mm)	64.6(Ø) x 104(L)
Weight	550 g

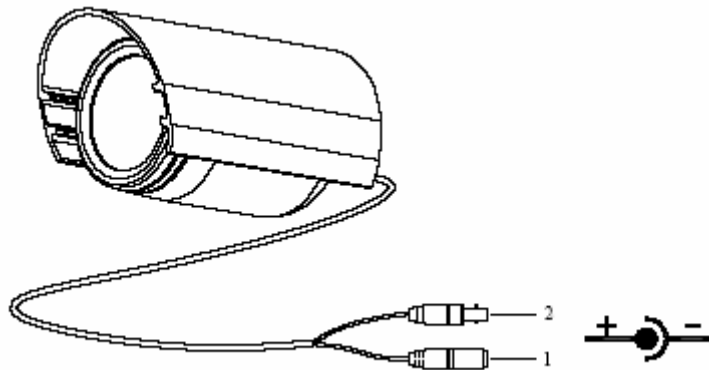
FEATURES:

1. Horizontal resolution of 380 TVL
2. Built-in Auto Electronic Shutter (AES)
3. Minimum Illumination: 0.9 lx/F=2.0
4. Signal-to-noise ratio: 48 dB (AGC off)
5. Silver weatherproof housing
6. High reliability & long lasting performance

IR LED (INFRA RED ILLUMINATORS) FUNCTIONS

THE INFRA RED ILLUMINATORS WILL SWITCH ON AUTOMATICALLY IN LOW LIGHT CONDITIONS. THEY WILL DEACTIVATE IN DAY LIGHT CONDITIONS.

3. Major operating controls and function:



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1. Video Output Connector (VIDEO OUT)

This connector is used to connect the camera with the VIDEO IN connector of the video monitor.

2. Power supply input terminal 12V DC

This input terminal is used to connect the camera with 12V DC regulated power supply

4. Installation:

WARNING:

Entire installation process of NVC-80CH color camera should be carried out by (or proceed under supervision of):

- qualified service personnel
- or authorized security systems installers.

Installation process must comply with obliging norms/regulations.

WARNING:

Before connecting camera to the power cable you must be absolutely certain that the power voltage is disconnected.

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WARNING:

Before proceeding with next step, please check the wiring. If additionally with view, passes through different signal, with voltage higher than $1V_{p-p}$, then in result the camera might be damaged.

1. Connect video output of the camera (VIDEO) - connector # 7 - to a appropriate monitor video input (VIDEO IN) using standard 75 Ohm coaxial cable.

WARNING:

Before proceeding with next step, make sure not to use power supplier providing voltage higher than maximum allowed. You should use 12V DC power supplier (regulated). The voltage tolerance for this type of camera is $12VDC \pm 10\%$ (10,8-13,2VDC). Connecting higher voltage to this camera might result in damaging this unit.

Important Notice

FIRST - connect all cameras in the system to a power supplier

SECOND - then connect the power supplier to a power source

2. Connect the power connector of the camera to a 12V DC regulated power supply.

5. Standard accessories:

1. Main body—1 pc
2. Mounting bracket—1 pc
3. Power-DC and Video-BNC cable—1 pc
4. Instruction manual—1 pc

CAUTION
<ol style="list-style-type: none"> 1. Please use correct power supplier 12 V DC, to operate this unit. If the power input should exceed specified value, the unit may be damaged. 2. Be sure to connect each lead to appropriate terminal. Wrong connection may cause malfunction and/or damage to the video camera. Please check the wiring of video output before power on. If the power, greater then 1 V p-p, is offered through video output, the unit may be damaged.
<ol style="list-style-type: none"> 1. Do zasilania kamery należy użyć właściwego zasilacza prądu 12 V DC (stałego). Przyłożenie do kamery napięcia większego od dopuszczalnego, może spowodować uszkodzenie kamery. 2. Wyjście wizyjne kamery (BNC) można połączyć wyłącznie z właściwym wejściem video. Przed połączeniem kamery z innymi urządzeniami CCTV, należy sprawdzić okablowanie. Jeśli wraz z wizją zostanie podany inny sygnał, o napięciu większym niż 1 V p-p, to kamera może ulec uszkodzeniu.
<ol style="list-style-type: none"> 1. Utilisez uniquement le courant continu de 12V comme source d'alimentation. Une tension autre que celle spécifiée peut endommager la caméra. 2. Veillez à raccorder chaque fil à la borne appropriée. Une mauvaise connexion peut être à l'origine d'un mauvais fonctionnement et/ou endommager la caméra. Vérifiez le câblage de la sortie vidéo avant de mettre sous tension. Le raccordement d'une alimentation électrique supérieure à 1 Vp-p à la sortie vidéo peut endommager la caméra.
<ol style="list-style-type: none"> 1. Bitte schließen Sie das Gerät an das geeignete Netzgerät von 12 V DC (Gleichstrom) an. Abweichende Werte können zu Beschädigungen am Gerät führen. 2. Verbinden Sie den Video-Ausgang (BNC-Anschluß) mit dem geeigneten Video-Eingang. Bevor Sie die Kamera mit anderen Geräten verbinden, überprüfen Sie bitte Anschlussbelegungen. Falsche Anschlussbelegungen (die Zufuhr von höherem Videosignalwert als 1 V p-p) können zu Beschädigungen an dem Gerät führen.

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