

Specificatii tehnice:

Senzor imagine	CMOS 1/3"
Lentile	2.8-12 mm, Zoom Manual
Rezolutie orizontala	1000 linii TV
Rezolutie efectiva	PAL: 976x582; NTSC: 976x494
Rata semnal/zgomot	>65dB
Sistem scanare	Intercalare 2:1
Iluminare minima	0 Lux (cu led-uri IR pornite)
Shutter electronic automat	PAL: 1/50s ~ 1/100.000s NTSC: 1/60s ~ 1/100.000s
Caracteristica gamma	0.45
Vizibilitate pe timp de noapte	Pana la 40m ; 42 LED-uri IR
lesire video	1Vpp, 75Ω
AGC	Automat
IR Cut	Da
AES	Da
Alimentare / Consum	12V DC (±10%) / 750mA
Temperatura de depozitare	-30 la +60° C
Temperatura de utilizare	-10 la +45° C
Dimensiuni/Greutate	142x85x79.5mm / 1400g

Pachetul contine:

- camera de supraveghere video
- suport de prindere
- manual de utilizare



Manual de utilizare

Camera de supraveghere **PNI 1002CM**



Introducere

Camera de supraveghere video PNI 1002CM utilizeaza cele mai noi tehnologii in materie de senzori de imagine.

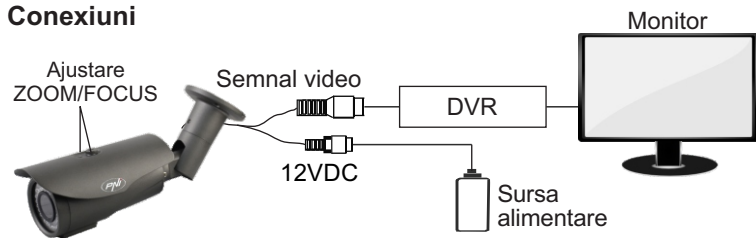
Are un sistem de prindere foarte simplu de utilizat, putand fi integrata in orice sistem de supraveghere video cu circuit inchis.

Pentru rezultate optime recomandam utilizarea camerei impreuna cu DVR-urile 960H de la PNI (ex: PNI L704/L708 etc).

Caracteristici principale

- Senzor imagine CMOS 1/3"
- **1000 linii TV**
- Reglare manuala Zoom si Focus pentru o incadrare si o imagine de calitate a zonei supravegheata;
- Brat regabil sus/jos, stanga/dreapta pe zona supravegheata
- Auto Gain Control (**AGC**) - functie ce permite camerei sa redea o imagine de calitate chiar si in conditii de iluminare slaba
- Auto Electronic Shutter (**AES**)
- Vizibilitate pe timp de noapte pana la 40m, chiar si in conditii de iluminare slaba, datorita celor 42 LED-uri IR
- Carcasa metalica cu parasolar reglabil
- Standard protectie: **IP66**

Conexiuni



Probleme si solutii

1. Camera nu reda nici o imagine dupa alimentare
 - verificati daca tensiunea de alimentare este stabila si daca conexiunea alimentarii s-a efectuat respectand polaritatea
 - verificati conexiunea la monitor
2. Imaginea prezinta fluctuatii
 - verificati daca tensiunea de alimentare este stabila
 - verificati monitorul si echipamentele periferice
3. Culoarea de fundal a imaginii se schimba continuu
 - campul electromagnetic al lampilor fluorescente cauzeaza schimbarea culorii. Acesta este un fenomen normal
 - reduceti numarul lampilor fluorescente sau mariti distanta dintre camera de supraveghere si lampi
4. Imaginea este instabila
 - verificati daca tensiunea de alimentare este stabila
 - verificati corectitudinea conexiunilor

⚠ Atentionari!

- Nu incercati sa desfaceti camera. Daca aceasta nu functioneaza corespunzator, contactati furnizorul.
- Alimentarea camerei trebuie efectuata cu mare atentie. Tensiunea de alimentare, polaritatea si temperatura de utilizare trebuie sa corespunda cerintelor camerei.
- Daca utilizati camera pe timpul unei furtuni cu fulgere asigurati-va de existenta unei conexiuni la masa sau scoateti alimentarea camerei.
- Pentru imagini de calitate, cablurile de alimentare si cel de semnal video nu trebuie sa fie prea lungi.
- Nu indreptati niciodata camera catre soare sau o alta sursa de lumina puternica, pentru a nu defecta senzorul de imagine.
- Nu instalati camera in apropierea unui calorifer sau alta sursa de caldura.

Technical specifications:

Image sensor	CMOS 1/3"
Lens	2.8-12 mm, Manual Zoom
Horizontal resolution	1000 TV lines
Actual resolution	PAL: 976x582; NTSC: 976x494
S/N Ratio	>65dB
Scanning system	2:1 Interlace
Min illumination	0 Lux (with IR LEDs on)
Auto electronic Shutter	PAL: 1/50s ~ 1/100.000s NTSC: 1/60s ~ 1/100.000s
Gamma characteristic	0.45
Night vision	Up to 40m ; 42 IR LEDs
Video output	1Vpp, 75Ω
AGC	Auto
IR Cut	Yes
AES	Yes
Power / Consumption	12V DC (±10%) / 750mA
Storage temperature	-30 to +60° C
Operating temperature	-10 to +45° C
Dimensions/Wheight	142x85x79.5mm / 1400g

Package contents:

- video surveillance camera
- mounting base
- user manual



User manual

PNI 1002CM Surveillance camera



Introduction

PNI 1002CM video surveillance camera uses the latest image sensor technologies.

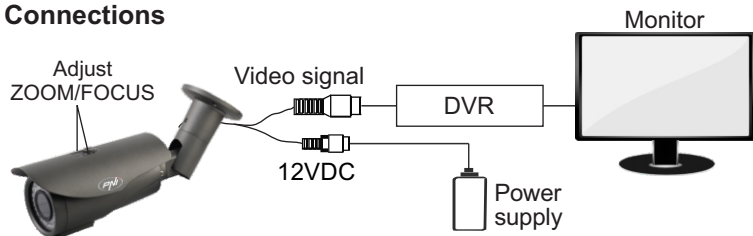
It has a very simple fixing system and it can be included in almost any CCTV system.

For optimal results we recommend using it with 960H DVRs like PNI L704/L708/L716 etc.

Main features

- CMOS 1/3" image sensor
- **1000 TV lines**
- Manual Zoom and Focus for a more accurate framing of the desired surveillance area
- Manual up/down left/right mounting base adjustment
- Auto Gain Control (**AGC**) - function that allows the camera to render a quality image even in low light conditions
- Auto Electronic Shutter (**AES**)
- Night vision up to 40m, even in low light conditions, using 42 IR LEDs
- Metallic case
- Waterproof standard: **IP66**

Connections



Troubleshooting

1. No picture after powering the camera
 - check if the power voltage is stable and if the connection was done properly respecting the polarity
 - check the connection to the DVR or monitor
2. The image wavers
 - check if the power voltage is stable
 - check the monitor and other peripheral equipments
3. The background image changes continuously
 - the fluorescent lamp's electromagnetic field causes color roll. This is normal phenomenon of the cameras.
 - reduce the number of fluorescent lamps or increase the distance between the camera and the fluorescent lamps.
4. The image is unstable
 - check if the power voltage is stable
 - check all connections

⚠ Caution!

- Do not try to open the case of the camera. If the camera doesn't work properly, please contact your supplier .
- Connect the power to the camera correctly. The power voltage, polarity and operating temperature must be according to the camera's needs.
- If you are using the camera during a lightning storm please make sure the ground connection is done properly or disconnect the camera from the power supply.
- For quality images the power and signal cables should not be very long.
- Do not direct the camera to the sun or other source of strong light, to avoid image sensor damage.
- Do not install the camera near a heating radiator or other heat source.