



Speed Dome AHD Camera

NVAHD-2DN5220MSD/IRH-2

5000
AHD SERIES



FUNCTIONS

MULTI
STANDARD



KEY FEATURES

- D/N function - IR cut filter
- resolution 1080p
- Lens: motorized varifocal, AF function, optical zoom 20x, f=4.7 ~ 94 mm/F1.7
- PTZ control via coaxial cable
- multistandard: AHD, CVI, TVI, 960H
- Min. Illumination from 0.0002 lx
- IR LED, range up to 150 m (depends on actual value of optical zoom)

DIMENSIONS



226 mm



345 mm

430 mm

Image	
Image Sensor	CMOS sensor 1/2.8" SONY
Operating mode	AHD 1080p, TVI 1080p, CVI 1080p, analog 960H
Number of Effective Pixels	1920 (H) x 1080 (V)
Resolution	1080p
Min. Illumination	0.0002 lx/F1.7 - color mode, 0 lx (IR on) - B/W mode
S/N Ratio	> 52 dB (AGC off)
Electronic Shutter	auto/manual: 1/25 s ~ 1/50000 s
Digital Slow Shutter (DSS)	up to 30x
High Light Compensation (HLC)	yes
Wide Dynamic Range (WDR)	yes
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Lens	
Optical Zoom	20x
Lens Type	motorized, f=4.7 ~ 94 mm/F1.7
Auto-focus	continuous, zoom trigger, day/night mode trigger
Day/Night	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 60 s
Visible Light Sensor	yes
PTZ	
Preset Commands	88
Tours	4 (up to 12 presets per tour)
Auto-Scans	4
Patterns	4
Tilt/Pan Range	0° ~ 97°/360° (continuous)
Pan/Tilt Speed	up to 200°/s (proportional to zoom)
Protocols	Pelco-D, Pelco-P, COAX
Other functions	
OSD	languages: English
Access Password	number of characters: 4 numbers
Real-time Clock	yes
Image Processing	180° image rotation, sharpening, mirror effect, negative, picture-freeze, vertical flip
IR LED	
LED Number	12
Range	up to 150 m (depends on current optical zoom value)
Angle	up to 60° (depends on current optical zoom value)
Smart IR	yes (software support)
Interfaces	
Video Output	BNC, 1.0 Vp-p, 75 Ohm
Alarm Input/Output	4 (NO/NC)/1 relay type
RS-485	yes
Installation parameters	
Dimensions (mm)	226 (Ø) x 337 (H) with bracket: 226 (W) x 430 (H) x 345 (L)
Weight	5 kg with bracket: 6 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	aluminium, white, in set: outdoor housing (integrated with the camera), wall mount bracket
Power Supply	24 VDC (100 ~ 240 VAC/24 VDC PSU in-set included)
Power Consumption	6 W, 30 W (IR illuminator on), 50 W (IR and heater on)
Operating Temperature	-40°C ~ 60°C
Humidity	max. 85%, relative (non-condensing)
Built-in Heater/Fan	yes/no

In CVBS and CVI mode, PTZ remote control only using RS-485.