RC-NSD2033-IN Series
2MP 33x Network IR Speed Dome

The RC-NSD2033-IN is a 2-megapixel IP PTZ dome camera featuring 33x optical remote zoom for long range surveillance needs. Rancent's IP PTZ speed domes are rugged outdoor cameras that illuminate areas of interest above the horizon in poorly lit situations. With the highest industry video compression standard available and excellent low light performance for your most demanding lighting situations, the Rancent Full HD 1080p 33x optical zoom PTZ dome cameras are designed for use in 24x7 surveillance applications, such as waterways, runways, roadways, and bridges.

Typical Applications

- Intelligent surveillance systems for large city and critical Infrastructures
- Intelligent Transportation Systems such as railways, motorways, airports, seaports and others
- Intelligent security solutions for oil, gas, electric power, marine, and wind power

Product Features

- 1/2.5" 2.0M HIS3516A +Sony327 CMOS sensor, 33x optical zoom
- H.265 Main Profile, H.264 High profile, M-JPEG video encoding
- Up to 2.0MP 1920(H) x 1080(V) Effective Pixels
- IR illumination up to 120 meters with 8 PCS Infrared illuminators
- 360° continuous rotation and 0°- 90°tilt range wtih no blind monitor area
- Max. pan preset speed of 200°/s and max. tilt preset speed of 75°/s
- Pan control speed 0.6°~200°/s, tilt control speed 0.8°~75°/s
- Support 220 presets, 8 patrols, 4 patterns, AB line scan
- Support standard ONVIF 2.4 , GB28181 agreement
- Operating temperature up to 60°C (140°F)
- Support TVS 3000V lightning protection, surge protection and voltage transient protection

Specifications

Camera

Image Sensor	1/2.5" 2.0M HIS3516A+Sony327 CMOS Sensor
Resolution	2 MP
Effective Pixels	1920(H) x 1080(V)
Pan range/speed	360° horizontal continuous rotation speed 0.6 - 200°/s
Tilt range and speed	0°- 90°, speed 0.8°- 75°, Auto Flip
Shutter Speed	1/2 s ～1/20,000 s
Slow shutter	Supported
IR Illumination	Color: 0.05Lux, B/W: 0.01Lux (F/1.2)
Day/Night	IR-cut filter with auto switch
Infrared Distance	120 m
IR Status/Power On	Auto
DWDR	Support
S/N Ratio	≥50dB （AGC OFF）
Preset	220
Pattern Tour	4, max 100pcs motions
Auto Scan	Support
Cruising Track	8, each support up to 32 presets
Dome Function	Support presets, crusing tracks, auto scans, pattern tours
BLC	On/Off
Gain control	Auto/manual
Noise reduction	Support DNR,3DNR

Lens

Optical Zoom	33x
Focus Length	4.6 -152mm F1.6 - F4.8
Pan View Angle	61.2° - 2.32°(Wide-Tele)
Focus Control	Auto, motorized

Video

Video compression	H.265, H.264, MJPEG
TV System	PAL/NTSC
Main Stream	1920x1080,1280x960, 1280×720,720×576, 640×480
Sub Stream	640×480,480x360, 352×288,320×240, 176×144
MJPEG	1920x1080,1280x720
Simultaneous View	Max 3CH in main stream Max 6CH in sub stream

Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	TCP/IP,HTTP,NTP,IGMP, DHCP,UDP,SMTP,RTP, RTSP,ARP,DDNS,DNS,P2P
ONVIF	Support ONVIF 2.4
API	Support Linux&NindoNs SDK and CGI protocol
Browser	Support IE7/IE8/IE9, Chrome8+,Firefox3.5+, Safari5+

Environmental

Ingress protection level	IP66
Operation Temperature	-20 °C ~ +60 °C
Storage Temperature	-20 °C ~ +60 °C
Relative humidity	95% Max
Power Supply	DC12V, 2A
Power Consumption	10W Max
Dimension	285 x 285 x 440mm