

RC-NPD20VF Series 2MP 4x IR Varifocal PTZ Network Dome Camera

The RC-NPD20VF is a 2-megapixel IP PTZ dome camera features 4x optical remote zoom for wide angle or long range surveillance needs. Autofocus, advanced color science, mechanical IR cut filter and advanced integrated adaptive IR illumination ensure superior low-light performance. These vandal-resistant wedge cameras are also IK10 and IP66 rated, making them ideal for a wide variety of environments. Intelligent video encoding ensures good image quality and low storage costs.



Typical Applications

- Commercial surveillance applications for office complexes, restaurants, hotels, and others
- Retail security systems for shopping malls, supermarkets, chain stores, and others
- intelligent campus surveillance systems for schools, colleges and other education establishments

Product Features

- 1/2.8" 2.0M Low illumination 307 CMOS sensor, 4X optical zoom
- H.265, H.264, Main, High, MJPEG video encoding
- Up to 2.0MP 1920(H) x 1080 (V) Effective Pixels
- IR illumination up to 20 meters with 4 PCS Infrared illuminators
- 355°endless pan range and 0°- 90°tilt range with no blind monitor area
- Max. pan preset speed of 80°/s and max. tilt preset speed of 80°/s
- Pan control speed 10°~80°/s, tilt control speed 10°~80°/s
- Support 220 presets, 8 patrols, 4 patterns, AB line scan
- Power over Ethernet (PoE o), 12 VDC
- Operating temperature up to 60°C (140°F)
- Support TVS 3000V lightning protection, surge protection and voltage transient protection

Specifications

Camera

Image Sensor	1/2.8" 2.0M Low illumination CMOS Sensor
Resolution	2 MP
Effective Pixels	1920(H) x 1080(V)
Pan range/speed	0°- 355° rotate endless; speed 0-80°/s
Tilt range and speed	0°- 90°, speed 0°- 80°
Shutter Speed	1/5 s to 1/20,000 s
Slow shutter	Supported
IR Illumination	Color: 0.05 Lux, B/W: 0.01 Lux, 0 lux with IR (F/1.2)
Day/Night	IR-cut filter with auto switch
Infrared Distance	20 m
IR Status/Power On	Auto
WDR	DWDR, ≥73.7dB
S/N Ratio	≥50dB (AGC OFF)
Preset	220
Pattern Tour	1, max 10 minutes
Auto Scan	Support
Cruising Track	8, each support up to 32 presets
Dome Function	Support presets, crusing tracks, auto scans, pattern tours
BLC	Auto/manual/indoor/outdoor
Gain control	Auto/manual
Noise reduction	Support DNR,3DNR

Lens

Optical Zoom	4x
Focus Length	2.8-12mm, F1.7-F3.0
Pan View Angle	113.9°(near) ~34.1°(far)°
Focus Control	Auto, motorized

Video

Video compression	H.265, H.264, MJPEG
TV System	PAL/NTSC
Main Stream	1920x1080,1280x960, 1280x720,720x576, 640x480
Sub Stream	640x480,480x360, 352x288,320x240, 176x144
MJPEG	1920x1080,1280x720
Users	5

Network

Ethernet Protocol	RJ-45 (10/100Base-T) TCP/IP,HTTP,NTP,IGMP, DHCP,UDP,SMTP,RTP, RTSP,ARP,DDNS,DNS,P2P
ONVIF	Support ONVIF 2.4
POE	Optional/Internal, 802.3af
Smart Phone	iPhone/Android

Environmental

Ingress protection level	IP66
IR Cut Filter	Yes
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	Diameter 130 x 117.4 mm
Weight	1.8KG