



NI2PTZ-V20



**Mechanical IR
Cut Filter (ICR)**

FEATURES

- **HD TVI 1920 x 1080 @ 30fps**
- 2 Megapixel High Resolution
- 1/2.8" Progressive Scan CMOS
- 20X Optical Zoom
- 4.7~94mm / F1.6 ~ F3.5
- Color: 0.05 Lux @ F1.6 (AGC ON), B/W: 0.01 Lux @ F1.6 (AGC ON), 0 Lux with IR
- 6 Matrix IR LED
- IR distance up to 330ft / 100m
- Mechanical IR Cut Filter (ICR)
- 3D DNR, Digital WDR
- Max. 30W / 21W (IR On / Off)
- 24V AC / High-PoE
- IP66 Rating

SPECIFICATIONS

Model	NI2PTZ-V20
Image Sensor	1/2.8" Progressive Scan CMOS
Effective Pixels	2230K pixels
Max. Image Resolution	1920 x 1080
Frame Rate	60Hz: 30 fps (1920×1080), 30 fps (1280×960), 30 fps (1280×720) 50Hz: 25 fps (1920×1080), 25 fps (1280×960), 25 fps (1280×720)
Shutter Time	1 ~ 1/10,000s
Minimum Illumination	Color: 0.05 Lux @ F1.6 (AGC ON); B/W: 0.01 Lux @ F1.6 (AGC ON); 0 Lux with IR
Day & Night	Built-in Mechanical IR Cut Filter (ICR)
Digital Noise Reduction	3D DNR
Wide Dynamic Range	100X Digital WDR
S/N Ratio	≥ 50dB
IR LED	6pcs Matrix IR LED
IR Distance	330ft / 100m
Lens Focal Length	4.7~94mm, 20x
Zoom Speed	Approx. 3s (Wide-Tele)
Angle of View	58.3°~3.2° (Wide-Tele)
Min. Working Distance	10~1000mm (Wide-Tele)
Aperture Range	F1.6~F3.5
Pan / Tilt Range	Pan: 360° endless; Tilt: -15° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s / Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Presets	256
Park Action	Pattern/Tilt scan/Frame scan/Panorama scan/Random scan/Auto Scan/Patrol/Preset
Patrol	8 patrols, up to 32 presets per patrol
Power-off Memory	Support
Audio Input	Audio input (LINE input), 2 ~ 2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio Output	Line level, impedance: 600Ω
BLC	BLC
White Balance	Auto / Indoor/Outdoor/Sodium lamp/Fluorescent lamp/Auto-Track/MWB
AGC	Auto / Manual
Focus Mode	Auto / Semiautomatic / Manual
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Image Compression	H.264 / MPEG
Audio Compression	G.711u / G.711a / G.726 / MP2L2 / G.722.1
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 6
Streams	Dual Stream
Mini SD Memory Card	Micro SD Slot, up to 32GB
User/Host Level	Up to 32 users, 3 Levels: Administrator, Camera control, Live view only
Security Measures	User authentication (ID and PW), Host authentication (MAC address), IP address filtering
Application Programming	Open-ended API, support Onvif, PSIA and CGI
Web Browser	IE 7, IE 8, IE 9, Chrome 8 +, Firefox 3.5 +, Safari i5 +
Power Source	24 VAC / High-PoE
Power Consumption	Max. 30W / 21W (IR On / Off)
IP Rating	IP66 Rating: TVS 4,000V lightning protection, surge protection and voltage transient protection
Operating Temperature	-22°F ~ 149°F / -30°C ~ 65°C
Humidity	90% or less (non-condensing)
Dimension	8.66(Ø) x 13.91(L) inches / 220(Ø) x 253.4(L) mm without bracket
Net Weight	12.13 lbs / 5.5 kg without bracket

*Specifications and appearance are subject to change without notice