

Technical specifications - Pacidal NBX305

Camera	
Image sensor	1/2.7" CMOS with 1920 x 1080 resolution
Lens (optional)	CS-mount, IR-corrected, vari-focal, f = 3~8 mm, F1.2
Shutter time	1/10000 s to 1/8 s
Iris control	DC-iris
Day and Night	Automatically removable infrared-cut filter (optional)
Minimum illumination	0.2 Lux/F1.2 (Color) 0.03 Lux/F1.2 (B/W)

Video	
Video compression	H.264 (MPEG-4 Part 10/AVC), Motion JPEG
Resolutions	1920 x 1080 to 320 x 180
Frame rate	Up to 30 fps in all resolutions
Video streaming	Triple, individually configurable streams with resolutions in one HD (H.264), one SD (H.264), and one SD (Motion JPEG), all at 30 fps Controllable frame rate and bit rate, VBR/CBR H.264
Image settings	Brightness, contrast, color saturation, sharpness, white balance, backlight compensation, exposure control, flicker control, fine-tuning of behavior under low light conditions, noise filter, flipping & mirror, time stamp, text overlay, privacy mask
Pan/Tilt/Zoom	Digital PTZ

Audio	
Audio streaming	Two-way
Audio compression	AAC LC, G.711 PCM
Audio input/output	Built-in microphone, external line out

Network	
Interface	100 Mbps Ethernet, RJ-45
Security	Multi-level user access with password protection, IP address filtering, HTTPS encryption, digest authentication, user access log
Supported protocols	IPv4, IPv6, HTTP, HTTPS, TCP/IP, FTP, SMTP, UPnP, IGMP, RTSP/RTP/RTCP, DHCP, NTP, PPPoE, DNS, DDNS, UDP, Bonjour, QoS

Viewing system	
Operating systems	Windows 8/7/Vista/XP SP3
Browsers	IE8 or higher
Video player	VLC
Mobile devices	Android, iOS (through NVR)

System integration	
Application programming interface	Open API for software integration, SDK, ONVIF
Intelligent video	Face detection and recognition (optional), motion detection
Alarm triggers	Intelligent video, audio detection, digital input
Alarm actions	File upload through FTP and e-mail Save to camera microSD/microSDHC cards (cards not included) Play audio alerts Relay output activation

General	
Casing	Metal
Memory	128 MB RAM, 128 MB flash
Power source	DC 12~57V, Power over Ethernet (IEEE 802.3af Class 1) Power consumption: typical 2.8W, maximum 3.84W
Network connector	RJ-45 for Ethernet/PoE connections
Local storage	MicroSD slot
Alarm input/output	One digital input, one relay output (30W)
LED indicators	System and network status indicators
Users	10 simultaneous unicast users Unlimited users using multicast
Firmware upgrade	Upgrade through webpage
Operating conditions	-20°C~50°C (-4°F~122°F) 20~80% RH (noncondensing)
Approvals	CE, FCC, RoHS
Standards	ONVIF
Dimensions (L x W x H)	120 mm (4.72") x 61 mm (2.4") x 51 mm (2.01")
Weight	248 g (0.548 lb.)

* Specifications may be subject to change without prior notice.

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