

Technical specifications - Pacidal NFD307

Camera	
Image sensor	1/2.7" CMOS with 1920 x 1080 resolution
Lens	IR-corrected, fixed-focal, f = 3.6 or 6.0 mm, F1.8
Shutter time	1/10000 s to 1/8 s
Iris	Fixed
Day and Night	LED illuminator
Minimum illumination	0.2 Lux/F1.2 (Color) 0.03 Lux/F1.2 (B/W) 0 Lux (LED illuminator on)
LED illuminator	Built-in infrared LEDs (or white LEDs)
LED illumination distance	Up to 20 meters, adjustable

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

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
Alarm actions	File upload through FTP and e-mail Save to camera microSD/microSDHC cards (cards not included)

General	
Casing	Metal, IK10
Weatherproof	IP66
Memory	128 MB RAM, 128 MB flash
Power source	DC 12~57V, Power over Ethernet (IEEE 802.3af Class 2) Power consumption: typical 2.8W, maximum 3.84W (LED illuminator off), 6.49W (LED illuminator on)
Network connector	RJ-45 for Ethernet/PoE connections
Local storage	Internal microSD slot
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	phi = 108 mm (4.25"), H = 62 mm (2.44")
Weight	309 g (0.68 lb.)

* Specifications may be subject to change without prior notice.

Pacidal Corporation Ltd.

8F., No.168, Yongji Rd., Xinyi Dist., Taipei City 110, Taiwan
Tel: +886-2-2765-5526 | E-mail: sales@pacidal.com

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www.pacidal.com