Technical specifications - Pacidal HBX505

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

DTV

Supported standards	DVB-T
Control channel	RS-232
Frequency settings	16 position rotary switch, control channel

Transmission distance	Up to 1000 meters with 5C-FB or RG-6/U coaxial cables
Series connection	External power pass splitter

Viewing system

Operation system	Windows 8/7/Vista/XP SP3
Browser	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 3.2W, maximum 3.84W
Network connector	RJ-45 for Ethernet/PoE connection, BNC for DTV video transmission & control channels
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 numbers of 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	268 g (0.59 lb.)

* Specifications may be subject to change without prior notice.