Technical specifications - Pacidal DBX415

Camera

Image sensor	1/2.7" CMOS with 1920 x 1080 resolution
Lens (optional)	CS-mount, IR-corrected, vari-focal, f = 2.8~12mm, F1.4
Shutter time	1/10000 s to 1/8 s
Iris control	DC-iris (optional)
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)
Resolutions	1920 x 1080 to 320 x 180
Frame rate	Up to 30 fps in all resolutions
Video streaming	Dual, individually configurable H.264 streams with resolutions in one HD stream and one SD stream, both 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

Audio

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

DTV

Supported standards	DVB-T
Control channel	COFDM modulation in 77MHz
Frequency settings	Adjustable via a 16-position rotary switch or control channels (default: 177MHz, with 6MHz bandwidth)
Transmission distance	1000 meters (3300 ft.) with 5C-2V or RG-6 coaxial cables, 500 meters (1650 ft.) with 3C-2V or RG-59 coaxial cables
Series connection	External power pass splitter
Security	Multi-level user access with password protection, address filtering, encryption, digest authentication, user access log

Viewing system

Digital television	With a built-in DVB-T receiver: directly connecting to digital antenna input; otherwise: through a DVB-T set-top box
DVR/NVR	4/8/16 channel DTV DVR/NVR
PC	Through a DTV capture card
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	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 12V, Power over coax (PoC) Power consumption: typical 3.2W, maximum 3.84W
Network connector	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	Broadcasting to unlimited numbers of users
Operating conditions	-20°C~50°C (-4°F~122°F) 20~80% RH (noncondensing)
Approvals	CE, FCC, RoHS
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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