Technical specifications - Pacidal DFD207

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
LED illumination distance	Up to 20 meters, adjustable

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

DTV

Supported standards	DVB-T
Control channel	RS-232
Frequency settings	Adjustable via an internal 16-position rotary switch or via 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
Alarm actions	Save to camera microSD/microSDHC cards (cards not included)

General

Casing	Metal, IK-10
Weatherproof	IP66
Memory	128 MB RAM, 128 MB flash
Power source	DC 12~15V Power consumption: typical 2.8W, maximum 3.84W (LED illuminator off), 4.9W (LED illuminator on)
Network connector	BNC for DTV video transmission & control channels
Local storage	Internal microSD slot
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	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.

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