FengNiao-U4T1A / FDS
Compact Face Recognition Box – 8 Channels

Feature

- Fanless industrial design ability to operate 24 hours
- High performance Detection with (Pitch 75°,Roll 30°)
- High performance Recognition with (Pitch 30°,Roll 30°)
- Adjustable storage system (Snapshot and Recognize)
- Live view / Time attendance / Alarm management / Database selection
- Percentage comparison
- Information export .CSV file type including Camera name, Time, Age period, Gender details.

Overview

Embedded face recognition appliance is used as face recognition terminal in small face recognition scenarios and provides PC client for the management of multiple devices. At the same time, it can be used as a face acquisition device to provide data like push snapshot and alarm for face recognition system or third-party service system.

Hardware

	FN-U4T1A-FDS
Design	Fanless Industrial Operation
CPU	4 x ARM A57 CPU64bit
GPU	4 x 256CUDA core NVIDIA Maxwell™
Memory	4GB LP DDR4|25.6GB/s
Storage	4 x 16GB eMMC
Decoding	4K 60Hz
Encoding	4K 30Hz
Display port	No
Network	10/100/1000Base-T
I/O interface	No

Software Performance

	FN-U4T1A-FDS
Compare performance	10 image/sec
Comparison Time Rate	Less than 0.08 second per image
Real-Time Capture Time	Less than 1.0 sec
Real-Time Compare Time	Less than 1.0 sec
Dynamic recognition Rate	False positive rate 5% False negative rate 2%
Detection Rate	16 Faces / Frame
Detection angle*	Horizontal -75°~+75° Pitch -75°~+75° Roll -30°~+30°
Recognition angle*	Horizontal -30°~+30° Pitch -20°~+20° Roll -30°~+30°
Detection Rate	99% @ 60 – 240 pixel
Recognition Rate	95% @ 60 – 240 pixel

Hardware Performance

|	FN-U4T1A-FDS
Device support	8 IP Camera on Standard Mode 16 IP Camera on Capture Mode
Resolution camera support	4K, FHD 1920x1080
Image Database	Up to 300,000 pictures
Target Library	Maximum 100 Libraries
Image Protocol	RTSP and ONVIF
Video Format	H.264, MPEG4
Operation System	Linux
Function	Live view, Database management, Access Records, Alarm Management, System configuration

Operation Environment

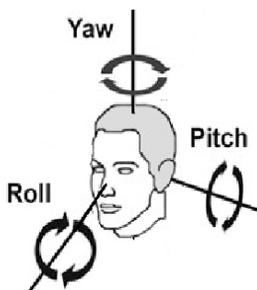|	FN-U4T1A-FDS
Environment	Storage -25°C ~ 80°C
	Operation SOC -25°C~105°C Operation system -25°C~80°C
Dimension	430mm x 317mm x 44.5mm
System Design	24 hours operation

Physical Size
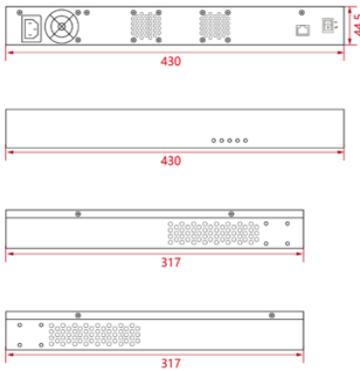
Connection Diagram
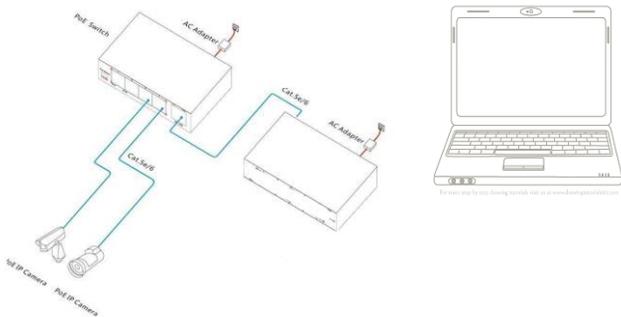
* Rotation Face Refer

System Overview

Management software

Meeting Attendance

VIP Welcome page