Z8608NF-8F | BioUltra Series

8CH Facial Recognition 4K H.265+ NVR

4K UHD

- H.265+/H.265/H.264 Decoding
- Support 8ch 4K IP cameras input & preview
- Support up to 50,000 face templates library
- Support max. 8CH real-time playback synchronously
- HDMI output up to 4K high definition
- Intelligent Video Analytics functions , such as Facial Recognition/ Target Counting/Object Detection/Intrusion/Tripwire
- DHCP, DNS, DDNS, NTP, UPNP, RTSP etc
- P2P cloud service supported
- ONVIF Profile S compatible

System Overview

Z8608NF-8F could deliver up to 4K resolution excellent image over advanced H.265+ decoding.

Moreover It's one of the best ideal considerations for small-to-medium scale facial recognition surveillance and analysis project with ZKTeco industry-leading AI algorithm.

It supports 8CH facial recognition which is flexible and budget saving to protect the appointed key regions for access control or area detection with black/white list function.

Powered by the strong interoperability and Onvif Profile S, it's compatible with a plenty of 3rd party IPC to implement the facial recognition as well.

Functions

IVA functions (Intelligent Video Analysis)

Support Facial recognition/Target counting/Object detection/Intrusion/Tripwire/Video Tempering.

Numerous templates and accurate facial recognition

50,000 face templates and up to 98% facial recognition accuracy(ZKTeco Lab data).

User-friendly & full function VMS/mobile app

Black/White list alert and linkage actions.

Technical Parameters

Model	Z8608NF-8F
System	
Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX
Video and Audio	
Max IPC Input	8 CH
Two-way Talk	Support
Audio Compression	G.711u
Live View	
Display Split	1/4/6/8/9 CH
Resolution	8MP(3264*2448), 5MP(2560*1920), 2MP(1920*1080), 1.3MP(1280*1024), 1Mp(1280*720), D1(1024*768)
Live View Capability	8 CH@1080p(30fps)
Facial Recognition	
Performace	8 ch face recognition with detection camera
Face processing Speed	Up to 25 Faces/Second
Face Templates	50,000 pictures
Face Library	Black List/White List
Facial Recognition Channels	8 CH
Alarm Linkage Actions	Recording/Buzzer/Monitoring Center/Email
Create Face Templates	Capturing by Preview/Import, App collect (Antarview Pro)/VMS (AntarVis 2.0) Face Database by USB Device
Search by Face	Support
Recording	
Video Compression	H.265+ / H.265 / H.264
Recording Resolution	8Mp/5MP/4MP/3MP/1080p/960p/720p/D1
Max. Decoding Capability	8 CH@1080p(30fps)
Incoming Bandwidth	64 Mbps
Bit rate	Main Stream: 256Kbps ~ 8192Kbps
	Sub Stream: 50kbps ~ 700kbps
Record Mode	Schedule, Manual, Motion Detection, IVA Events Alarm
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Playback and Backup	
Playback Channel	8 CH playback
Search Mode	Time/ Date, Alarm Types, IVA Search, Face retrieval
Playback Function	Play, Stop, Play Forward, Play Backward, 30 Seconds Forward, 30 Seconds Backward, Fast Play, Slow Play, Single Frame Play, Hide/Show Time Bar, Backup, Snapshot, Full Screen
Backup Mode	USB Device / Network Remote

IVA Alarm

Local IVA Functions	Line Crossing / Target Counting / Object Left/Lost / Intrusion
Regular Detection	Motion Detection / Video Shelter / Video Loss
AI Search	Support search target video by multiple intelligent conditions

Network

Network Protocol	TCP/IP, HTTP, DDNS, SMTP(SSL), DHCP, PPPoE, UPnP, NTP, P2P
Max. Online User	5 users
Web Browser	Internet Explorer
Operation System	Windows
Management Platform	AntarVis 2.0 (VMS)
Mobile Application	AntarView Pro (iOS & Android)
P2P Cloud Service	Support
Interoperability	ONVIF, SDK, CGI, API

Storage & Auxiliary Interface

SATA Ports	2 SATA Port, Up to 8 TB capacity
eSATA	N/A
Raid 0/1/5/6/10	Support
HDMI	1*HDMI (4K)
VGA	1*VGA (1080P)
Network Interface	1 RJ-45 Ports (1,000Mbps)
PoE Ports	N/A
USB	2*USB 2.0
Audio Input/Output	1/1
Alarm Input/Output	4/4
RS-485	Support

Power

Power Supply	DC 12V/3A
Power Consumption	10W(Without HDD)

General

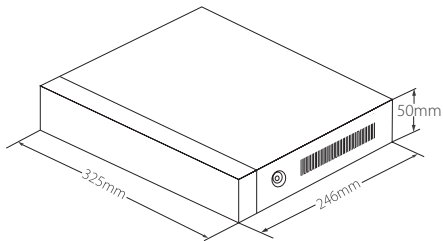|	
Casing	1U
Working Temperature	-10℃ ~ 55℃
Working Humidity	10 ~ 90%
Dimensions (L*W*H)	325 * 246 * 50 (mm)
Net Weight	2.5KG (without HDD)
Gross Weight	3KG (without HDD)

Order Information

Name	Model	Description
Facial Recognition NVR	Z8608NF-8F	8CH H.265 NVR, 2SATA

Dimensions

Rear Panel