

# Z8636NF-16F | ZKBioFace Lite Series

H.265+ 36 Channels Network Video Recorder with 16 Channels Facial Recognition

**4K  
UHD**

- H.265+/H.265/H.264 decoding
- Support 36-channel 4K IP cameras input & preview
- Support 16 channels realtime playback synchronously
- 16 channels realtime facial recognition with face capture cameras
- Up to 100,000 face templates supported
- Support multiple Blacklist/Whitelist alarm events linkage
- Smart face retrieval supported
- Intelligent video analytics functions (up to IPC)
- Support multiple web browsers login
- P2P cloud service supported

**H.265+**

## System Overview

ZKTeco BioFace Lite NVR series is one of the idealist considerations for small-to-medium scale facial recognition surveillance and analysis project with the ZKTeco industry-leading AI algorithm.

This model supports 16 channels of real-time facial recognition based on a database that stores up to 100,000 face templates and displays real-time facial recognition results.

With Blacklist/Whitelist management, the solution can trigger an alarm, take a snapshot, or record faces for further analysis and potential security improvement.

Powered by the robust interoperability and ONVIF Profile S, the series is compatible with plenty of 3rd-party IPCs to implement facial recognition.

## Functions

IVA functions (Intelligent Video Analytics)

Support Facial Recognition / Line Crossing / Target Counting / Object Left/Lost / Intrusion / Scene Change / VQD, etc.

Numerous templates and accurate facial recognition

100,000 face templates and up to 98% facial recognition accuracy (ZKTeco Lab data).

User-friendly & full function VMS / Mobile App

Black / White list alarm events linkage actions such as email, audio, buzzer and alarm push message to Mobile App. etc

## Technical Parameters

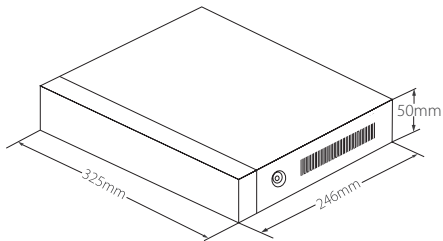
<b>Model</b>	Z8636NF-16F
<b>System</b>	
Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX
<b>Video and Audio</b>	
Max IPC Input	36CH
Two-way Talk	Support
Audio Compression	G.711u
<b>Live View</b>	
Display Split	1/4/8/16/24/32/36 CH
Resolution	8MP (3840*2160) / 5MP (2592*1944) / 2MP (1920*1080) / 1.3MP (1280*1024) / 1MP (1280*720) / SVGA (1024*768)
Live View Capability	4CH@8MP(25/30fps) / 36CH@D1((25/30fps)
<b>Recording</b>	
Video Compression	H.265+ / H.265 / H.264
Recording Resolution	4K/5MP/3MP/1080P/960P/720P/D1/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Max. Decoding Capability	8MP@25/30fps
Incoming Bandwidth	216Mbps
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
<b>Playback and Backup</b>	
Playback Channel	16CH Synchronously 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
<b>Facial Recognition</b>	
Performace	16CH facial recognition with face detection camera + 20CH with regular camera
Face Processing Speed	Up to 50 Faces/Second
Face Templates	100,000 pictures
Face Library	Black List/White List/Other List
Facial Recognition Channels	16CH
Alarm Linkage Actions	Recording/Buzzer/Monitoring/Center/FTP Upload/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

<b>IVA Alarm</b>	
Local IVA Functions	Line Crossing / Target Counting / Object Left/ Lost / Intrusion / Scene Change / VQD
Regular Detection	Motion Detection / Video Shelter / Video Loss
AI Search	Support search target video by multiple intelligent conditions
<b>Network</b>	
Network Protocol	TCP/IP, HTTP, DDNS, SMTP(SSL), DHCP, PPPoE, UPnP, NTP, P2P, ONVIF
Max. Online User	5
Web Browser	IE / Google Chrome / Firefox / Safari
Operation System	Windows
Management Platform	AntarVis 2.0 / ZKBioSecurity IVS / BioAccess IVS
Mobile Application	AntarView Pro (iOS & Android)
P2P Cloud Service	Support
Interoperability	ONVIF Profile S, SDK, CGI, API
<b>Storage &amp; Auxiliary Interface</b>	
SATA Ports	2 SATA Ports, Up to 8 TB capacity for each HDD
eSATA	N/A
Raid 0/1/5/6/10	N/A
HDMI	1*HDMI (4K)
VGA	Support
Network Interface	2 RJ-45 Ports (10/100/1000Mbps)
PoE Ports	N/A
USB	2 USB Ports (1 Rear USB 3.0, 1 Front USB 2.0)
Audio Input/Output	1/1
Alarm Input/Output	4/4
RS-485	Support
<b>Power</b>	
Power Supply	DC 12V/3A
Power On/Off Switch	N/A
Power Consumption	20W (without HDD)
<b>General</b>	
Casing	1.5U
Working Temperature	-10°C ~ 55°C / 14°F ~ 131°F
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

Type	Model	Description
Facial Recognition NVR	Z8636NF-16F	36CH H.265+ Network Video Recorder with 16CH Facial Recognition

## Dimensions (mm)



## Rear Panel

