



PIXELS CONNECT PTE LTD

XVR 5.0 **SMART**

Product Application Manual

Introduction

- New generation XVR 5.0 has advanced platform management advantage. It supports ordinary cameras converted into smart scenes directly, and has AI face recognition and AI face detection comparison capabilities. The full range of XVR 5.0 realizes full support of the ONVIF protocol, it allows a large number of cameras which support ONVIF protocol to be connected, calculated and intelligentized. XVR 5.0 takes "Innovative Storage, Ultimate Simplicity" as the core. Our technology upgrading is carried out in real time according to user demand and storage market demand. This is also our vision for the intelligent age of the Internet of Things and our R&D mission of the XVR 5.0.

Main Feature

1. Design Style

New visual experience, flat design style, adopts nowadays popular "dark" design style, more convenient operation, more intuitive user Experience, so that the interface achieves a truly minimalist visual effect;

2. Smart Management

Face database tive management added face name and added feature number display, face comparison event search, new precise search function, New humanoid intelligent detection function, face comparison/face capture/face coordinates pushed to app ;

3. APP Platform Management

The APP side adds playback fast forward function, APP adds coaxial video control function, adds G711A, (OCX and APP side has not yet been docked), adds APP to upload face image to the device side function (face image fixed 100K),

The APP side supports the configuration of the motion detection area, supports IP EYE, Android and IOS QR codes into one;

4.Security Settings

XVR enhances the password protection function. When the wrong password is entered 5 times, the platform will be locked. Wait 30 minutes for unlocking, or power off and restart to unlock, and the pattern unlock function is added. When users modify permissions and add new users, password verification is required to ensure the monitoring and management of the platform in turn;

5.Local Management

On the local side, OCX side, and APP side, the motion detection push map limit has been changed to a drop-down box. The drop-down box includes 2 minutes, 5 minutes (default), 10 minutes, and off. New local video mixing AAC audio codec format (OC collection function), support MAC and IP address filtering (network black and white list, up to 64);

6.Status

Added recording status, alarm status, network status, network detection and other system operating status query functions, and added alarm output manual trigger/clear function;

7.Image Management

Add device, add thumbnail preview, file backup search, add thumbnail preview, permission management reorganization, classification, alarm input, new normally open and closed option, image color, new EQ parameter configuration function, new background backup Features;

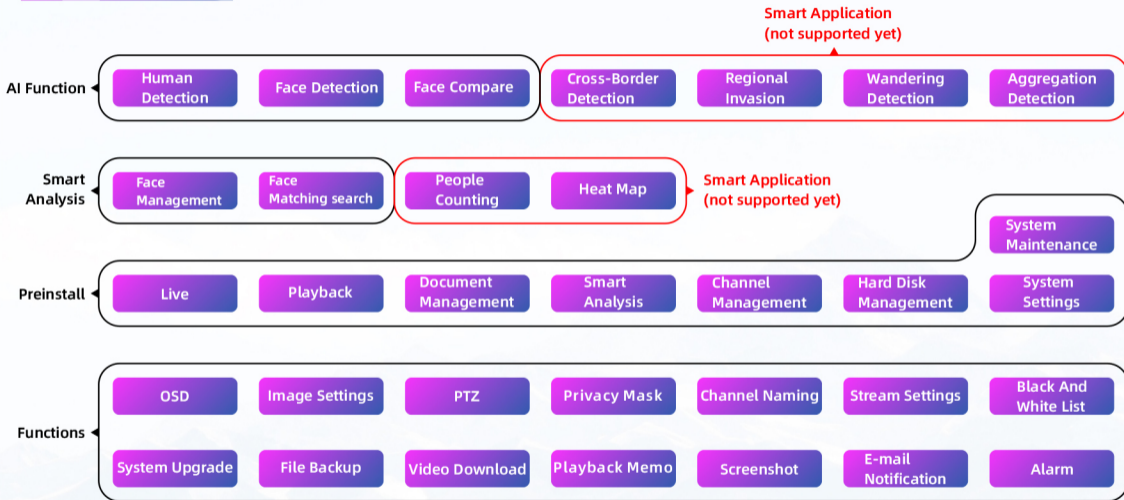
8.Video Management

The video playback mechanism is optimized, and new video tags and video editing functions are added. The original motion detection video time is moved to the video schedule setting, which acts on all alarm events;

9.System Management

Increase the number of logs to save, old products can only save 512, after updating (5.0 version products can save 10240, each takes 24b);

Core Function



XVR5.0

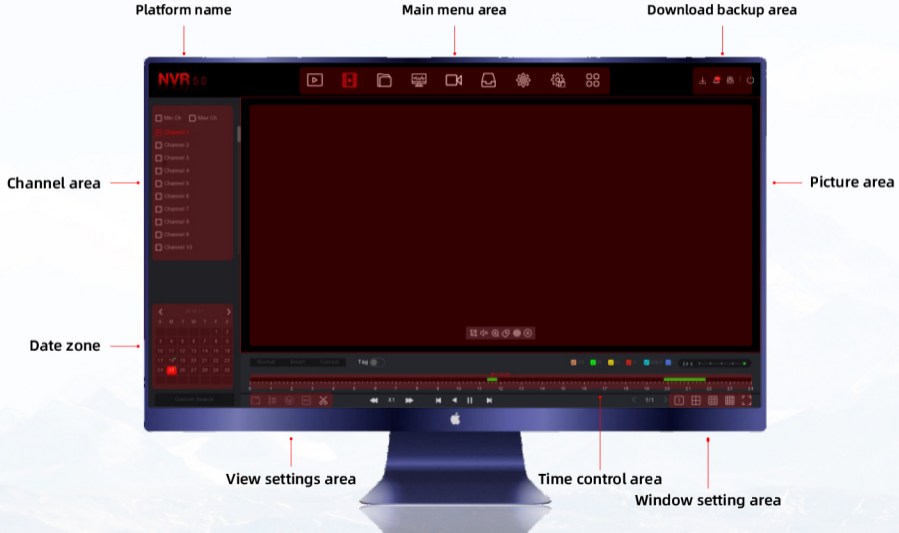
+ Application Logic



Smart XVR5.0:

- Intelligent functions can be realized by connecting to ordinary IPC;
 - Currently supports face detection, human shape detection, face comparison (cross-border detection, area intrusion detection, wandering detection, personnel gathering detection, which is not supported yet)
- ★ **Note: The XVR old interface version cannot be upgraded to the 5.0 new interface program, because the flash IC programming program on the motherboard is different;**
- ★ **As Of 2020/07/06, All solutions have been updated to 5.0 interface version**

Interface



Interface

+ Common Function Key

Monitoring time →



Monitor screen →

Record status →

Screenshot

Channel
type

Playback

enlarge
Featuresvolume
adjustStream
informationimage
adjustPTZ
controlAll day
Video

Close

alarm information

abnormal normal abnormal smart

alarm information

alarm time

Alarm Information

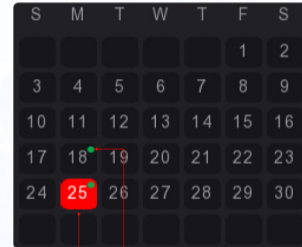
Exception Normal Event Smart Event

Set

Time to Alarm	Alarm/Exception	Information/Channel No. Alarm Inp.
2020-03-05 19:52:29	Sub Stream Video Loss	1
2020-03-05 19:52:29	Main Stream Video Loss	1
2020-03-05 19:31:50	Sub Stream Video Loss	1
2020-03-05 19:31:50	Main Stream Video Loss	1

download alarm information Back up Shut down

Video icon Motion detect intelligent event

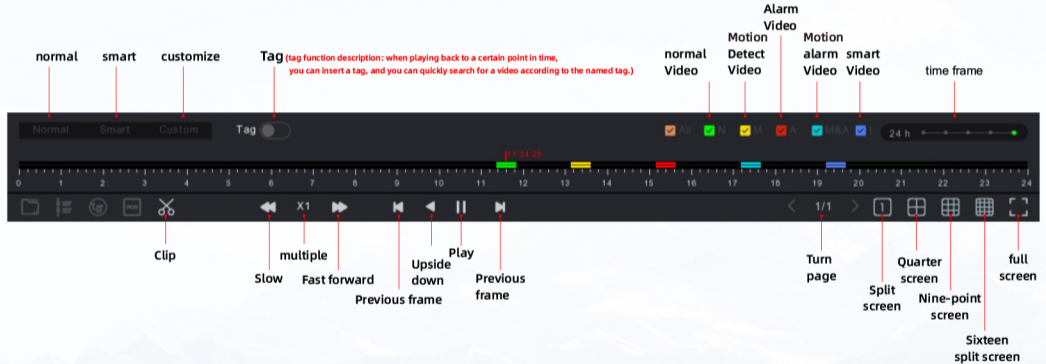


date

Green dot table
Show video

Interface

+ Introduction Of Playback Function



Interface

+ Common Settings For Camera Channels

Add and delete devices, you can modify the ip address,
upgrade operation;

Edit camera OSD, time display, text, mirror settings;

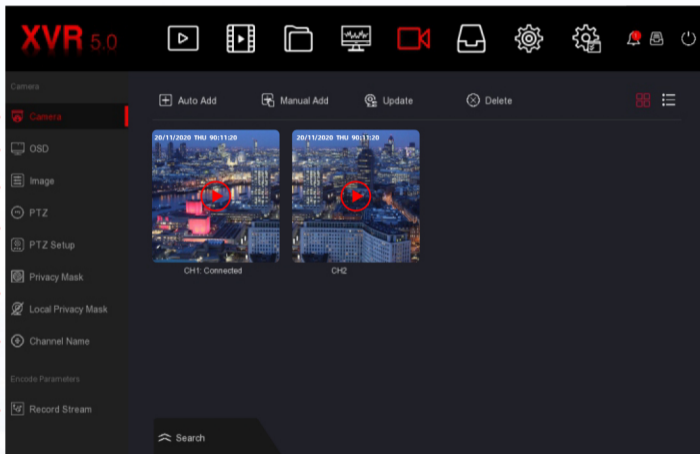
Image settings, IR mode, exposure settings, backlight
compensation, white balance, etc., WDR, defogging
and other settings;

Dome control, cruise, preset point setting;

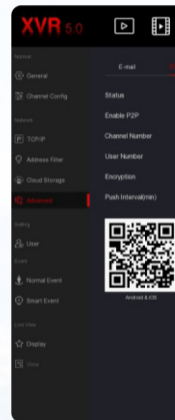
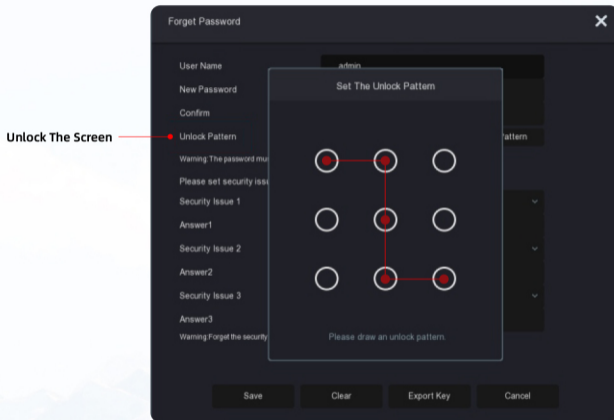
Privacy occlusion, privacy occlusion for up to three areas;

Channel naming, can be customized according to user's wishes;

Stream information



Search Add Device



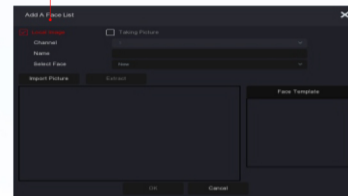
■ When setting and changing the password, you can choose to turn on the image unlocking function. After setting the image, you can use the mouse to draw the image to log in to the device when logging in, or you can choose to enter the password to log in.

Smart Analysis

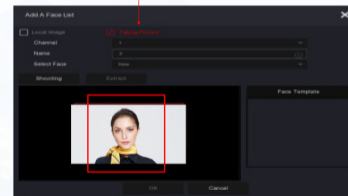
+ Face Management

Smart Analysis

Add Local Pictures



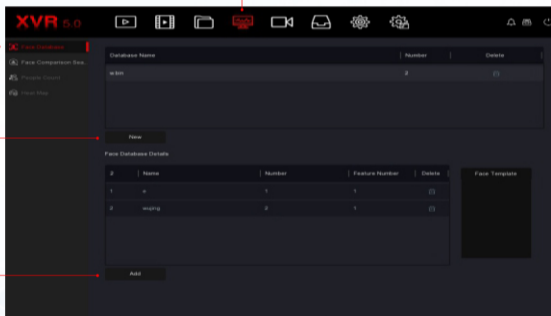
Add face photography



Face library management

Add face library file

Add face image



- At present, XVR5.0 can only create one face library, and the face library can add up to 10 face pictures, and add face feature information display;

Smart Analysis

Event search Smart Analysis Search Condition

Face comparison search

Channel: All Channels
Time: Today 2020-06-28 00:00:00 2020-06-28 14:02:00
Type: Blacklist And Whitelist

Image search face Image Search Condition

Face comparison search

Upload

Local Upload
Database Upload

Channel: All Channels
Time: Today 2020-06-28 00:00:00 2020-06-28 14:02:34
Similarity(0-100): 80

Smart Function

System

Linkage

Smart Event

Smart Event

Human Detection

Face Detection

Face Comparison

Crossover Detection

Regional Invasion

People Stay

People Gathering

Start

Processing Method

Normal Linkage

Trigger Alarm Output

Buzzer Alarm

E-mail Notification

Channel Recording

Channel

Smart Switch

Sensitivity

Event Type

Enable

General

Channel Config

Network

TCP/IP

Address Filter

Cloud Storage

Advanced

Setting

User

Event

Normal Event

Smart Event

Live View

Display

View

XVR 5.0

1

Enable

7

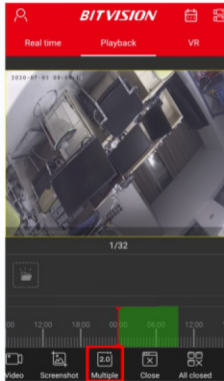
Human

1

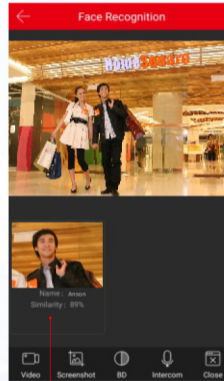
APP Interface



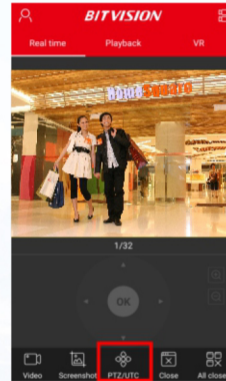
BITVISION New Feature



Add Replay Fast Forward



Added Face
Recognition Comparison





Added Coaxial Video Control

APP Interface

+ BITVISION New Feature

Detection Area →

← Channel setting	
Channel setting	
Channel	1 ▾
Channel Name	CH1 >
AI Setting	
Face mode	All >
Detection Reminder Settings	
Alarm area	>
Coding parameters	
Coding format	Main stream ▾
H265+	<input checked="" type="checkbox"/>
Coding type	H265 ▾
Resolution	1080P ▾
Image quality	Good ▾

← Monitoring area drawing	
	
<div>Detection area default all area warning, can be set by</div> <div><div> Click</div><div> Linear sliding</div><div> Sliding box</div></div>	

APP Support To Set Movement Detection Area

← Device details		Delete
Device details		
AI Setting		
Face storage	>	
Storage setting		
Available/Total capacity	1.5TB/1.9TB	
Format	>	
Available/Total capacity	976.8GB/976.8GB	
Format	>	
Advanced setting		
Version	V20.1.27.3	
Factory reset	>	
Reboot device	>	
Push Image(min)	5	>

APP Support Motion
Detection Push Chart Time

APP Interface



BITVISION New Feature

Face Storage

← Device details Delete

AI Setting

Face storage >

Storage setting

Available/Total capacity 1.5TB/1.9TB

Format >

Available/Total capacity 976.8GB/976.8GB

Format >

Advanced setting


Version V20.1.27.3

Factory reset >

Reboot device >

Push Image(min) 5 >

← Face storage Submit



Name : enter the name

Credentials Number Credentials Number

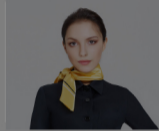
Phone Number Phone Number

Face library

d.bin ☒

Add AI Face Library

← Face storage Submit



Name : the

Credentials Number 1

Phone Number 13838888888

Click upload

AI

Album

Photo

- Add APP to create gallery function, add APP to upload face image to device side function, face image fixed 100K;
- AI is imported from the snapshot record, Album is selected from the mobile phone gallery, and Photo is the real-time photo taken by the mobile phone;

Product Proposal Recommendation

+ XVR Series

H.265+/H.265
5M-N XVR
4/8/16CH

PIX-PCXVRHCEDA420

PIX-PCXVRCDA420

PIX-PCXVRCDA820

PIX-PCXVRCDA1621

PIX-PCXVRCBDA1621

H.265+/H.265
4K-N XVR
4/8/16/32CH

PIX-PCXVRHCDA420

PIX-PCXVRHCDA821

PIX-PCXVRHCDA1631

PIX-PCXVRHCDA1631

PIX-PCXVRHKDA1631

PIX-PCXVRHLDA3231

H.265+/H.265
5M XVR
4/8/16CH

PIX-PCXVRCDA421

PIX-PCXVRCDA831

PIX-PCXVRCBDA831

PIX-PCXVRCBDA1631

PIX-PCXVRLDA1631

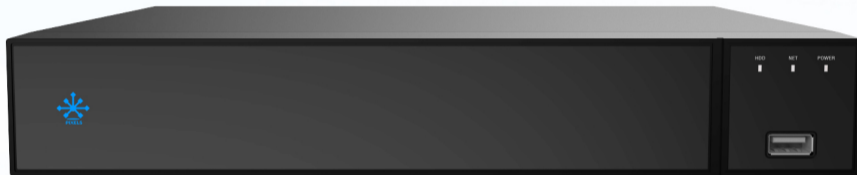
H.265+/H.265
4K XVR
4/8CH

PIX-PCXVRCBDKA431

PIX-PCXVRCBDKA831

Product Housing Solution

+ C Housing -XVR



4CH -8CH-16CH

Product Housing Solution

+ CB Housing -XVR



16CH -64CH

Product Housing Solution

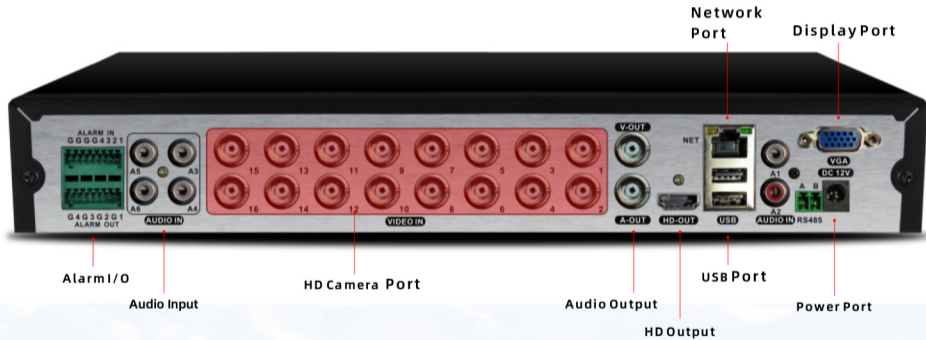
+ L Housing -XVR



16CH -64CH

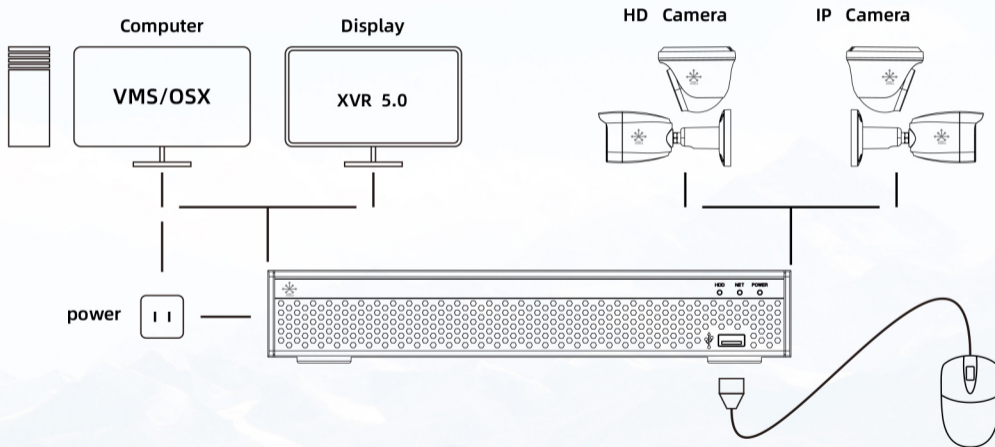
Introduction Of XVR

+ XVR Backpanel

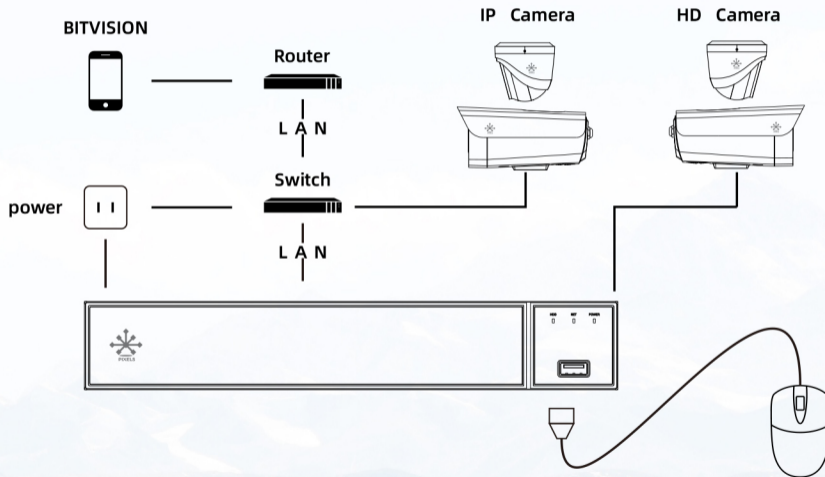


XVRLink

+ XVR Local Configuration



+ XVR Network Configuration





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THANKS



CCTV

Analog Camera, IP Camera
Dome & Bullet Cameras
Hidden Cameras
4K Cameras
PTZ Cameras



**Wireless
Cameras**

Panoramic Camera
4K Action Camera | Car Cameras
Battery Cameras
WiFi Door Bells
Hidden Cameras



**Biometric
Devices**

Fingerprint | Face | Card |
Access PIN Reader
Electromagnetic Lock
Exit Button | Break Glass
Video Door Intercom



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