

EZStation 3.0 Datasheet

EZStation 3.0



Features

- Unified management for Uniview's encoding devices, decoding devices, cloud devices, network keyboards, and access control devices, etc.
- Efficient device management: automatic device discovery (or search by network segment); add devices by IP address/domain name; add devices by EZDDNS; add devices and sync device time in batches.
- Diverse functions:
 - Live view: scene, split screen, auxiliary screen display, corridor mode, sequence display, instant playback, fisheye dewarping
 - Recording: local recording, scheduled recording, recording download
 - Playback: synchronous/asynchronous playback, smart recording playback, event recording playback, and VCA recording playback, search recordings, play back recordings on SD card
 - PTZ control: preset, preset patrol, recorded patrol, auto guard
 - Audio: camera audio, two-way audio
 - Alarm: service alarm (event alarm, VCA alarm), device alarm (online/offline, etc.), alarm linkage (live view, etc.), real-time/history alarm management
 - People counting: people flow counting in a specific area, crowd density monitoring, export statistics by week/month
 - E-Map: hot spot, hot zone, eagle eye, live video, map alarm, e-map of cloud devices
 - Video wall: live view, sequence display and playback on video wall, alarm to video wall, open window(s) by one click, open window(s) by coordinates, auto-bind decoding channel, multi-window for one decoding channel, save and switch scene, small pixel pitch LED, virtual LED
 - Perimeter protection: real-time monitoring, report perimeter alarms in real time, search alarm videos and images of cross line detection, intrusion detection, enter area detection, and leave area detection
 - Face detection: live view image, real-time face snapshot and comparison, alarm records, face library management and monitoring tasks, body temperature measurement, Smart detection, search and export NVR records, search pass-through records by images

- Access control: remote door opening, Smart detection alarm, abnormal body temperature alarm, search and export entry/exit records

Specifications

Model	SWP-EZStation-Mac		SWP-EZStation 3.0
Management			
Ordinary Video Channel	512		
Decoding Device	32		
Encoding Device (IPC, NVR)	64		
Access Control Device	32		
IP speakers		32	
Video Wall	20		
People Counting Group	20		
Channels Per People Counting Group	128		
Device Management			
Device Management	Device discovery (auto discovery, specify network segment) Add devices by IP address/domain name/EZDDNS Cloud device management (add, edit, delete and share) Group devices, view device status, restart device, sync device time with PC time Remote configuration (image parameters, encoding parameters, OSD) Fisheye camera supported		
Live View			
Live View Screen Layout	1 / 4 / 5 / 6 / 8 / 9 / 10 / 13 / 16 / 17 / 25 / 32 / 36 / 64 split view 1 / 4 / 9 / 16 / 25 default view and custom view 3 auxiliary screens Custom layout		
PTZ Control	Pan, tilt, zoom, shortcut PTZ, focus, preset, patrol, 3D positioning, IR control, wiper control, heat control, snow removing, auto guard Note: Actual functionality may vary depending on device capability.		
Live View Audio	Camera audio, two-way audio Note: Actual functionality may vary depending on device capability.		
Live View	Group display, sequence display, snapshot, continuous snapshot, digital zoom, scene, instant playback, local recording, default and custom view, custom stream, corridor mode, manual alarm, window maximization, alarm output control	Group display, sequence display, snapshot, continuous snapshot, digital zoom, scene, instant playback, local recording, default and custom view, custom stream, corridor mode, manual alarm, window maximization, alarm output control	
Playback			
Playback Recording	Play back recording from NVR and SD card Play back POS recording 16-ch (Async)/16-ch (Sync) playback Display recording status on a calendar		

	Recording in .ts, .mp4 format	
Playback	Local recording, scheduled recording, play back recording by type (normal recording, event recording, VCA recording, smart recording), download recording by file/time, snapshot, digital zoom, -16x~16x speed for forward and backward, audio, instant playback, play back local recordings, smart playback, playback by image, playback by frame, playback in default/custom view	Local recording, scheduled recording, play back recording by type (normal recording, event recording, VCA recording, smart recording), download recording by file/time, snapshot, digital zoom, -16x~16x speed for forward and backward, audio, instant playback, play back local recordings, smart playback, playback by image, playback by frame, playback in default/custom view
Alarm		
Alarm Type	Multiple alarm types	
Alarm Linkage	Live view, recording, email, preset, sound, etc. Trigger other IPCs	Supports alarm linkage to live view, preset, alarm output, playing alarm video on the video wall (cloud camera linkage is not yet supported), email, and other methods. When Enhanced Alert is selected, a flashing red frame will appear on the live alarm video window as a reminder Trigger other IPCs
Alarm Records	Alarm level filter Real-time alarm info display and acknowledge, and alarm video preview History alarm display/acknowledge/search	
Video Wall Function		
Video Wall Configuration	Auto-bind decoding channel Control by power distribution box Small pixel pitch LED Local video source	
Virtual LED	Multiple virtual LEDs Edit font, transparency, background color, font spacing, font alignment, scrolling mode, scrolling speed	Multiple virtual LEDs Edit font, transparency, background color, font spacing, font alignment, scrolling mode, scrolling speed
Window Operation	Open window by one-click or coordinates Roam, resize, and snap window Arrange windows by split ID Lock/unlock window	
Video Wall Operation	Play live view/playback, sequence resource on video wall, and alarm to video wall	Play live view/playback, sequence resource on video wall, and alarm to video wall
E-Map		
E-Map Format	PNG/JPEG/BMP	PNG/JPEG/BMP
Map Alarm	Alarm flash, search and acknowledge	
E-Map	Hot spot, hot zone, map zoom in/out, eagle eye, alarm output control Supports Uploading a Maximum of 20 Images; up to 7 layers of maps are allowed.	

People Counting		
People Counting Realtime Statistics	Form a counting area with multi-cameras to count people coming in/out/remaining, and monitor crowd density in real time Note: People counting camera must be connected to EZStation via an NVR.	
People Counting Report Statistics	People flow counting in a specific area Statistics by minute/hour/day/month, statistics of the day, last 7 or 30 days Display statistics in a bar chart, line chart or table, show statistics at a specified time point Export data to a CSV file	
VCA		
Realtime Monitoring	View live videos (up to 4 cameras), and view alarm records in real time	
Behavior Search	Play and download 10s VCA alarm recording saved on NVR (5s before and 5s after a VCA alarm) View and download VCA alarm images saved on NVR Export search results Note: Currently only supports cross line detection, intrusion detection, enter area detection, and leave area detection.	Play and download 10s VCA alarm recording saved on NVR/AIBOX (5s before and 5s after a VCA alarm) View and download VCA alarm images saved on NVR/AIBOX Export search results
Heat Map		View people counting heat map of NVR channels. The different colors on the live video image indicate different levels of crowd density. As shown in the color scale, red represents the highest density, while blue represents the lowest Note:This function must be used with fisheye camera and NVR that supports heat map counting (e.g., NVR 516-128E-R)
Face Petection		
Face Detection Configuration	Change temperature unit, configure Smart detection alarm and abnormal body temperature alarm (1) Convert between Celsius and Fahrenheit (2) Alarm parameters: enable Smart detection alarm, body temperature alarm, abnormal temperature threshold, alarm sound, alarm-triggered pop-up window, alarm-triggered email Configure face attribute display information, including face match/not match/snapshot display information	
Face Detection Realtime Monitoring	View live images from up to 4 cameras, view snapshots and real-time face detection alarms Detect abnormal body temperature and Smart detection status Note: Alarms will be reported only if the corresponding monitoring task has been configured.	
Face Llibrary Management	Add, delete face library, edit face library name Add face data in batches, edit, delete, import and export face data Filter face data by name, ID number and gender	

Face Detection Monitoring Task	Monitor using a face library and report alarms Set task name, alarm type (match alarm, not match alarm, all), choose face library to be used for a monitoring task, and set alarm threshold	
Face Detection Alarm Records	Search face match/not match alarm records from NVR Search alarm records of a device with criteria such as monitoring type, alarm time, name, ID number, and similarity Quick adding of strangers to face library, view original snapshot Export search records	
Pass-thru Records	Search pass-through records from NVR Search pass-through records of a device by alarm time Quick adding of strangers to face library, view original snapshot Export search records	
Search By Image	Search pass-through records by a face image for similar faces Search images with criteria such as face image, time and similarity Search by a library image or local image Search the alarm video before and after the alarm event	
Access Control		
Access Control Configuration	Add access control devices (filter, time sync, open Web page) Change temperature unit, configure Smart detection alarm and abnormal body temperature alarm (1) Convert between Celsius and Fahrenheit (2) Alarm parameters: enable Smart detection alarm, body temperature alarm, abnormal temperature threshold, alarm sound, alarm-triggered pop-up window, alarm-triggered email	
Access Control Person Management	Add, delete face library, edit face library name Batch add faces to face library, delete and edit personal information, import/export, template download Search personal information by name and ID number	
Access Control Realtime Monitoring	Live view (up to 4 cameras), remote door opening, real-time pass-through records	
Access Control Entry/Exit Records	Search entry/exit records of a device with criteria such as time, wearing or not wearing Smart detection, body temperature range, name, IC card number Quick adding of strangers to face library, view original face snapshot image Export search records	
LPR		
Real-time Monitoring		View live video (up to 4 channels), vehicle snapshots, and real-time comparison records Note: Alarms are reported only after the corresponding monitoring task is configured
Vehicle Library Management		Add, delete vehicle libraries, edit vehicle library names Batch add, edit, delete, and import/export license plate data, and batch add to vehicle libraries of multiple devices
Monitoring Task		Monitor license plates in vehicle libraries and

		report alarms Set the task name, alarm type (Match Alarm, Not Match Alarm), monitoring reason, and select the monitored vehicle library and video channels Up to 25 monitoring tasks can be created
LPR Alarm Records		Search license plate match/not match records on NVR Search by monitoring type, time, license plate number, license plate color, vehicle body color, and monitoring reason Search records can be exported
LPR Vehicle Pass-Thru Records		Search vehicle pass-through records on NVR Search vehicle pass-through records of a single device by alarm time, license plate number, license plate color, and vehicle body color Search records can be exported
AI Search		
SeekFree		Search snapshots of person/vehicles/bicycles/objects/animals by keyword-based text descriptions, and view videos before and after the target appears Supports cross-NVR search, with up to 8 NVRs selectable Supports quickly selecting scene and behavior types as search conditions; scene and behavior types are customizable
AcuSearch		Upload images of person/motor vehicles/non-motor vehicles to search target snapshots, and view videos before and after the target appears Supports cross-NVR search, with up to 8 NVRs selectable
AcuTrack		Upload images of person/motor vehicles/non-motor vehicles to search video clips where the target appears, and mark the target's appearance time on the playback progress bar Only a single NVR can be selected for search Records of up to 24 hours of recordings can be searched
Thermal Imaging		
Thermal Imaging Real-time Monitoring		Connect thermal cameras via NVR and view thermal camera video and temperature

		measurement data on the client Real-time monitoring with temperature detection areas and real-time temperature data (maximum, minimum, and average temperature) overlaid on live view Select a thermal channel video window to display the real-time temperature curve below, with up to 6 curves shown. Supports zooming in/out the time granularity of the time axis on the curve chart (1s/10s/30s supported)
User Management		
User Management	Add, edit and delete user, search user	Add, edit and delete user, search user Up to 100 users can be added
User Level	Super administrator, administrator, operator	
User Information	User name, password, user level, permissions Different default permissions for different user levels Assignable permission(s) of each user	
Operation Logs		
Log Search	Search logs using criteria, view details, export user operation records Log records include usernames, operation details, and results	
System Configuration		
Audio & Video	Configure video play mode, stream type, processing mode, stream transmission protocol Play main stream in maximized live view window Enable shortcut PTZ control, VCA rule, and GPU mode Configure snapshot mode, continuous snapshot interval, number of continuous snapshots, snapshot format, image save path Configure format and save path for local and downloaded recordings Configure storage policy, recording space, and recording file size POS display position, font size, font color, and duration	
System	Enable auto login to EZStation/Windows Set retention period for operation/alarm log Import and export configuration	
Operation	Set alarm duration, alarm recording start and end time Enable auto time sync, set synchronization interval Configure SMTP server and email address used to send/receive emails Epidemic control: configure temperature unit, Smart detection, body temperature measurement, abnormal body temperature threshold and others Configure face attribute display information, including face match/not match/snapshot display information	
System Requirement		
EZStation 3.0 64-bit	Operating System: Microsoft Windows 7/Windows 8/Windows 10 (64-bit) CPU: Intel Core i5 3.1 GHz or higher	Windows 7/Windows 8/Windows 10 i5-7500@3.40GHz,NVIDIA GeForce GT 1030,8GB or higher

	Memory: 4GB or higher	i7-6700@3.40GHz,Intel(R) HD Graphics 530,8GB or higher i7-6700@3.40GHz,Intel(R) UHD Graphics 730 / NVIDIA GeForce RTX 2070 / NVIDIA GeForce GTX 1050Ti,8GB or higher i7-8700@3.20GHz,NVIDIA GeForce RTX 2070,8GB or higher Windows 11 i5-12400@2.5GHz,Intel(R) UHD Graphics 730,16GB or higher i5-12500@3.0GHz,Intel(R) UHD Graphics 770,16GB or higher i5-14400@2.5GHz,Intel(R) UHD Graphics 730,16GB or higher i7-12700@2.10GHz,NVIDIA GeForce RTX A1000,16GB or higher i7-13700@2.10GHz,NVIDIA GeForce RTX 4060,16GB or higher i7-14700@2.10GHz,NVIDIA GeForce RTX 4060 Ti,16GB or higher
EZStation 3.0 32-bit	Operating System: Microsoft Windows 7/Windows 8/Windows 10 (32-bit or 64-bit) CPU: Intel Pentium IV 3.0 GHz or higher (4Cores, 3.0 GHz recommended) Memory: 4GB or higher	Windows 7/Windows 8/Windows 10 i5-7500@3.40GHz/i7-6700@3.40GHz/i7-8700@3.20GHz,Intel(R) HD Graphics 530,4GB or higher
EZStation 3.0 Mac	Operating System: Mac OS 10.11 or higher CPU: Intel Core i5 3.1 GHz or higher, Apple M1 Memory: 4GB or higher	Mac OS 12/13/14/15,Intel Core i5 3.1 GHz or higher,4GB or higher

Unlimited New View

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