



TC-S36424 Spec: DAKT/4U/V5.0

K2000 All-in-one Machine



KEY FEATURES

System

- Linux
- English WEB management interface

Management Channels

- Max 2000 video channels

Hard Disk

- Support access to 24 hard disks
- One 4T enterprise-level hard disk is standard equipped

HDMI

- 2 HDMI decoding output

Built-in Software

- Easy7 CMS V9.1.0



SPECIFICATIONS

Controller	
Product	K2000
Product Overview	The K2000 is an all-in-one machine with built-in integrated management platform, streaming media middleware, and Tiandy streaming storage software. It can manage up to 2000 channels
System Disk	64G SSD
Memory	24G
Processor	64-bit multi-core processor
Data Disk	Support 2.5 "or 3.5" SATA; A standard 4T enterprise-class hard disk is used as a data disk (occupying one disk slot) and cannot store videos, in SATA 1 port. Each of the other 23 disk slots supports a maximum of 18 TB hard disks.
Operating System	Centos7.6 (Linux)
Disk Number	4U/24
Array Type	Support Raid 0/1/5/6/10/50/60
Memory Channel Number	•Simultaneous image storage and video storage: Video storage performance supports up to 180 channels (2Mb, H265) •Use only video storage; Maximum video storage performance 200 channels (2Mb, H265)
Software	
Pre-installed Software	Easy7_CMS_V9.1.0
Sub System	Video preview, Video playback, Video on the wall, Video preview (WEB version), Video playback (WEB version), Alarm management, Electronic map, Log query, Basic configuration, MQ management, Network settings, etc.
System Bandwidth	Access bandwidth: Face model 360M; Surveillance model 512M Forwarding bandwidth: Face model 400M; Surveillance model 512M
NTP Setting	Support NTP time synchronization
External Interface	
Network Interface	4
String Interface	2 (RS-485); 1 (RS-232)
USB Interface	2 USB2.0; 2 USB 3.0
HDMI Interface	2
Alarm Input/Output	8/4
General Norm	
Power Supply	AC220V; 50Hz
Quantity of Power Supply	1 (350W)
Power Consumption	Power rating: 550W
Operating Temperature	5°C~40°C
Operating Humidity	10%~90% (No Condensation)
Dimension	534mm (L) × 446mm (W) × 173mm (H)



PERFORMANCE

Classification	Data Classification	Calculation Rule	K2000
Data Capacity Index	Network Bandwidth	Uplink Bandwidth	1000
	Point Number	1 Point/Server	2000
	Number of Users		5000
	Organizational Area		1000
	Number of years	Year	0.25
	Map Punctuation		1000
	Local Decoding Performance (output resolution)		4
	Video Storage Performance	2M/Point	180
	Video Forwarding Performance	2M/Point	180
No Plug-In	Client Configuration i5-9500 16G Video Preview (decode using CPU) Google versions below 9.0 support this capability	Main code stream/Code rate /1080p/2048/25/H.265	4
		Main code stream/Code rate /720p/2048/25/H.265	8
		Main code stream/Code rate /1080p/2048/25/H.264	10
		Main code stream/Code rate /720p/2048/25/H.264	16
		Main code stream/Code rate /1080p/2048/25/H.265	5
		Main code stream/Code rate /720p/2048/25/H.265	10
		Main code stream/Code rate /1080p/2048/25/H.264	12
		Main code stream/Code rate /720p/2048/25/H.264	16
		Sub stream/Code rate 4CIF/2048/25/H.265	16
		Main code stream/Code rate /1080p/2048/25/H.265	4
		Main code stream/Code rate /720p/2048/25/H.265	8
		Main code stream/Code rate /1080p/2048/25/H.264	10
		Main code stream/Code rate /720p/2048/25/H.264	16
No Plug-In	Client Configuration i5-9500 16Gs Video Playback (decode using CPU)	Main code stream/Code rate /1080p/2048/25/H.265	4
		Main code stream/Code rate /720p/2048/25/H.265	8
		Main code stream/Code rate /1080p/2048/25/H.264	10
		Main code stream/Code rate /720p/2048/25/H.264	16
		Main code stream/Code rate /1080p/2048/25/H.265	5
		Main code stream/Code rate /720p/2048/25/H.265	10
		Main code stream/Code rate /1080p/2048/25/H.264	12
		Main code stream/Code rate /720p/2048/25/H.264	16
		Sub stream/Code rate /4CIF/2048/25/H.265	16
		Main code stream/Code rate /1080p/2048/25/H.265	4
		Main code stream/Code rate /720p/2048/25/H.265	8
		Main code stream/Code rate /1080p/2048/25/H.264	10
		Main code stream/Code rate /720p/2048/25/H.264	16

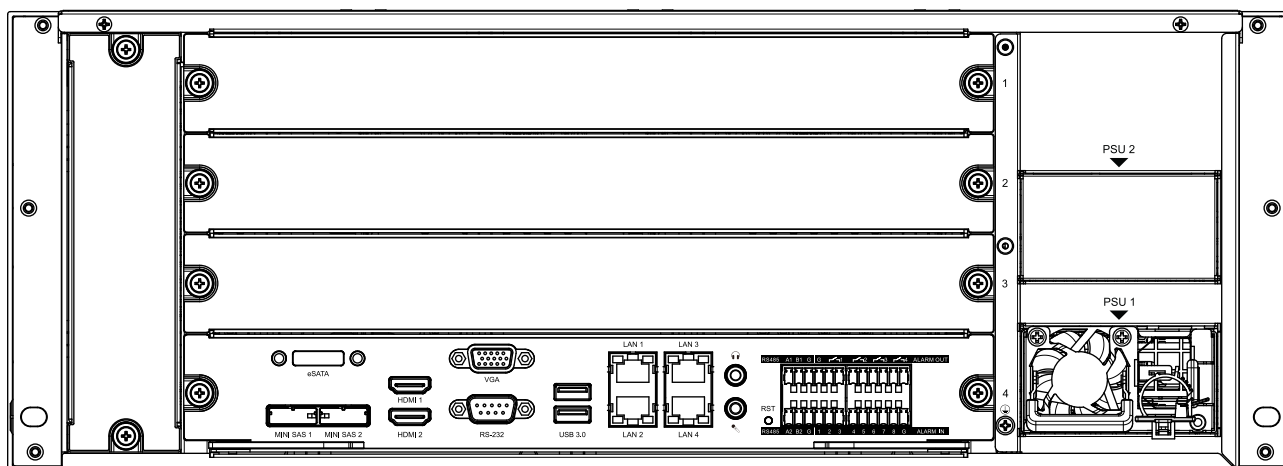
No Plug-In	Client Configuration i5-9500 16G Video Preview (decode using CPU) Edge Browser (version 107)	Main code stream/Code rate /1080p/2048/25/H.265	1
		Main code stream/Code rate /720p/2048/25/H.265	2
		Main code stream/Code rate /1080p/2048/25/H.264	4
		Main code stream/Code rate /720p/2048/25/H.264	7
		Main code stream/Code rate /1080p/2048/25/H.265	1
		Main code stream/Code rate /720p/2048/25/H.265	3
		Main code stream/Code rate /1080p/2048/25/H.264	10
		Main code stream/Code rate /720p/2048/25/H.264	16
		Sub stream/Code rate /8MP/2048/25/H.265	5
		Main code stream/Code rate /1080p/2048/25/H.265	1
		Main code stream/Code rate /720p/2048/25/H.265	2
		Main code stream/Code rate /1080p/2048/25/H.264	4
		Main code stream/Code rate /720p/2048/25/H.264	7
		Main code stream/Code rate /1080p/2048/25/H.265	1
No Plug-In	Client Configuration i5-9500 16Gs Video Playback (decode using CPU) Edge Browser (version 107)	Main code stream/Code rate /720p/2048/25/H.265	3
		Main code stream/Code rate /1080p/2048/25/H.264	10
		Main code stream/Code rate /720p/2048/25/H.264	16
		Sub stream/Code rate /4CIF/2048/25/H.265	5
Pressure Performance Index (standard value)	Perform this operation once for online users 30 to 60s	Concurrent online user	5
Pressure performance index (peak value)	An average of 45 seconds	Concurrent online user	40
	Number of alerts per second	Per/s	15
	Number of concurrent login users per second	200 Users	4
File Storage index	Light-weight File Storage	15M/s, 25pictures/s	
	Decoding Performance	The main code stream has a maximum of 80 channels (1080P 2Mbs H265) The sub-code stream has a maximum of 100 channels	
Historical Data Capacity Indicator	Total Log Records		1,600,000
	Total Alarm Records		4,000,000
Data Total	Data Total		5,600,000



DIMENSIONS (Unit: mm)



Physical Interfaces



DISTRIBUTED BY



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