HikCentral XE3 Workstation Specification V1.0

Introduction

HikCentral XE3 Workstation is a flexible, scalable, reliable and powerful central video system. It's a compact and versatile appliance that combines Hikcentral server and control client in a single device. It lets you rapidly deploy a unified security system. It provides central management, information sharing, convenient connection and multi-service cooperation. It is capable of adding devices for management, live view and playback of video files, alarm linkage, access control, time and attendance, facial identification, and so on.

Key Components

- Turnkey appliance with HikCentral Server and Control Client pre-installed
- Video Surveillance Management (VSM) Service
- Web Client /Control Client /Mobile Client support

Hardware Specification

HikCentral XE3 Workstation includes 3-year Pro Support service from Dell. You can get assistance from your regional Dell support center if you encounter any problems on the Dell server.

Feature	XE3 Workstation
Processer	Intel® Core™ i5-8500 (6 Cores/9MB/6T/up to 4.1GHz/65W);
Operating System	Windows 10 IoT Enterprise (64-bit)
Memory	1X8GB 2666MHz DDR4 UDIMM
Graphics Card	NVIDIA GeForce® GTX 1050, 2GB
Storage	3.5 inch 1TB 7200rpm Enterprise SATA Hard Disk Drive
NIC	Integrated Intel I219-LM Ethernet LAN 10/100/1000
Chipset	Intel® Q370 Chipset
I/O Ports	10 External USB: 1 x USB Type-C 3.1 Gen 2; 5 x 3.1 Gen 1 Type-A (1 front, 4 rear) 4 x 2.0 1 x RJ-45 2 x Displayport 1 x Serial 2 x PS/2
DVD	8x DVD+/-RW 9.5mm ODD
Form Factor	Tower
Power Supply	360W typical 90% Efficient PSU (80 PLUS Bronze);
Dimensions (W × D × H)	35cm x 15.4cm x 27.4cm (13.8" x 6.1" x 10.8")
Weight	17.49lbs / 7.93kg

Software Specification

Note: The following table shows the maximum performance of XE3 Workstation when VSM Server and Control Client running simultaneously.

VSM Server's Maximum Performance				
Items				**XE3 Workstation**
General	Camera Channels			128[1]
	Devices			128[1]
	Alarm Inputs			100
	Alarm Outputs			100
	Alarm Inputs per Area			64
	Alarm Outputs per Area			64
Event & Alarm	Event and Alarm Rules			1,000
	Events or Alarms without Pictures Received per Second			20
	Events or Alarms with Pictures Received per Second			15[2]
Users and Roles	Concurrent Accesses via Web Clients, Control Clients			5
	Concurrent Accesses via Mobile Clients and OpenSDK Clients			5
	Users			100
	Roles			100
Persons	Persons			200
	Cards			1,000
	Fingerprints			800
	Credentials (Card + Fingerprint)			1,000
Access Control	Doors			16
	Access Groups			16
	Persons in One Access Group			1,000
	Access Levels			32
	Access Levels Assigned to One Access Group			8
Smart Wall	Decoding Devices			32
	Smart Walls			32
	View Groups			100
	Views per View Group			10
	Views Auto-Switched Simultaneously			32
Control Client Maximum Performance				
Hardware Decoding	720p (1280*720)	3Mbps	30 FPS	32
	1080p (1920*1080)	6Mbps	30 FPS	18
	300w (2048*1536)	8Mbps	30 FPS	12
Software Decoding	720p (1280*720)	3Mbps	30 FPS	14
	1080p (1920*1080)	6Mbps	30 FPS	8
	300w (2048*1536)	8Mbps	30 FPS	4

Tip **1**: The maximum number of the added encoding devices and access control devices in total is 128.

Tip **2**: Picture size: 400 KB.