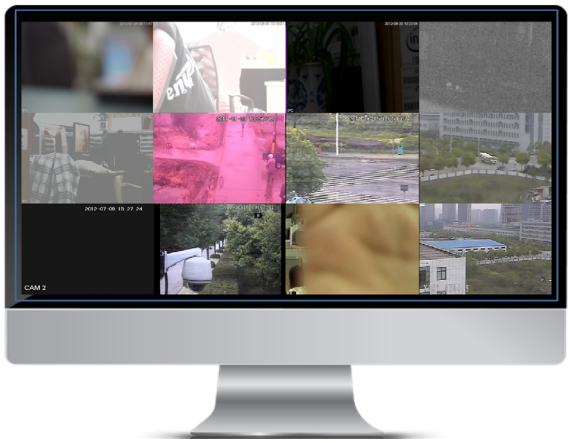
DHI-IVS-V-Pro

Video Quality Analysis



Features

· D1 or lower: 10000 channels
· 1080P or lower: 4000 channels
· 12 intelligent analytics services and meet various requirements of clients
· Support tour analysis of multiple-scheme, multiple-period and multiple-function
· High frequency of tour and check times, fix problems quickly
· Support full-network digital video detection
· Support various video resolutions and integrate devices easily
· Provide application service such as basic data, alarm search, tour status monitor, report statistics, video activation

Overview

IVS-V is a rear-end intelligent video analytics software. It can detect the front-end devices according to the tour scheme and task on the platform. System can realize the alarm statistics for the following situations: defocus, overexposure, underexposure, color cast, low contrast, jitter, noise, stripe, video loss, video freezing, tampering and scene changing detection. It can be widely used in large-scale surveillance projects.

Hardware Requirements

System	
Main Processor	Intel Xeon E3-1220 v5 3.0GHz
Operating System	Windows Embedded
Memory	8GB
HDD	1TB
Interface	
Ethernet Port	2*1000Mbps Ethernet Port
Other Port	4*USB 3.0, 2*VGA Port, 1*HDMI Port
Others	
Power	250W
Work Temperature	10°C—35°C
Work Humidity	10%—80%
Storage Temperature	-40°C—65°C
Storage Humidity	5%—95% (non-condensation)
Dimension	495mm*42.8mm*434mm

Technical Specification

Video Definition	CIF, D1, 720P, 1080P
1-channel Detection Time	Support 15/20/25/30 Seconds
Capacity of Plan, Scheme and Project	· One server supports 10 tour tasks · One task supports 1000 channels · For 1080P, one IVS-V server can max support 4 schemes analytics and 4000 HD channels. · For D1, one IVS-V server can max support 10 schemes analytics and 10000 channels.
Detection Success Rate	>90%
Defocus Detection	Response Time < 1s
Overexposure Detection	Response Time < 1s
Underexposure Detection	Response Time < 1s
Low Contrast Detection	Response Time < 1s
Color Cast Detection	Response Time < 1s
Jitter Detection	Response Time < 1s
Noise Detection	Response Time < 1s
Stripe Detection	Response Time < 1s
Video Loss Detection	Response Time < 3s
Video Freezing Detection	Response Time < 3s
Tampering Detection	Response Time < 3s
Scene Changing Detection	Response Time < 3s