



IWH3216 Touch Series

16CH Embedded Hybrid DVR

The IWH3216 Touch series of Windows® embedded hybrid DVRs delivers high CPU performance and superb video quality. Besides the many external storage options, the 1U IWH3216 Touch has room for up to 4 SATA HDDs while the 2U IWH3216 Touch II supports up to 5 hot-swappable SATA HDDs, providing plenty of space to save important video footage for later use. In addition to advanced alarm notifications and POS integration, the IWH3216 Touch series features a handy ocean-blue LED touch panel that makes configuration without a mouse or keyboard easy.



Video intelligence

AVer's video intelligence allows operators to cut through the clutter of high-volume videos by detecting unfolding situations in real-time. Preset conditions include suspicious / missing object detection, scene change, motion detection, PTZ tracking, face detection with FaceFinder, and many more. Together with the advanced alarm management, it facilitates the effective control and possible prevention of crises.



Advanced alarm management

When a sensor is triggered and/or an abnormal event occurs, the DVR's advanced alarm mechanisms trigger specific actions to address the situation, such as activating warning sirens, automatically uploading files to a remote server, recording, launching 3rd party program, sending out emails and drawing attention to the screen. When connected with a POS system, it can send out alert messages to the manager when previously specified items are purchased.



POS integration and management via iPOS

The AVer IWH3216 Touch series easily integrates with up to 16 POS systems through its support of general POS protocol. With AVer's iPOS software, you can view live transaction data from POS systems together with the live images onscreen. The stored transaction data can later be used for advanced analysis, search, and playback.



Versatile remote software integration

The AVer IWH3216 Touch series is compatible with AVer's CM3000 and CM3000 Gold Central Management System to achieve powerful centralized management of up to 1000 DVRs including the ability to create a TV-wall command center through AVer's Remote iMatrix software. IWH3216 Touch series also comes integrated with mobile monitoring software, so users can view live video on iPhones, iPads, Android phones.

Video Intelligence
object, motion
FaceFinder
PTZ tracking

Advanced Alarm management

Expandable Storage
up to 5 HDDs,
iSCSI, e-SATA

IS
Intelligent Streaming

CMS
1000 DVRs

POS
integrate up to 16

Mobility
iViewer
AndroidViewer

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		IWH3216 Touch II	IWH3216 Touch
system			
operating system	embedded Windows® XP (32-bit)		
total channel number	16		
max. IP camera input	16		
max. analog camera input	16		
performance			
display (analog)	480 / 400fps (NTSC/PAL)		
display (IP)	2M @ 40fps (2M @ 10fps per CH)		
recording (analog)	compression	H/W H.264	
	resolution	NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 720 x 288 (Half-D1), 720 x 576 (D1)	
	frame rate (NTSC/PAL)	CIF: 480 / 400fps Half-D1: 480 / 400fps D1: 240 / 200fps	
recording (IP)	resolution	up to 5 megapixels per channel, and a total of 42 megapixels for all channels in H.264 / MPEG-4 / MJPEG format	
throughput		100 Mbps	
storage	internal HDD capacity	4 SATA HDDs (4 removable HDD trays) optional*: up to 5 SATA HDDs (5 removable HDD trays)	3 SATA HDDs optional*: up to 4 SATA HDDs (1 removable HDD tray)
	internal RAID support	-	
	external HDD support	e-SATA HDD or RAID x 1	
	iSCSI support	yes	
backup	internal DVD-RW	-(supports external DVD-RW)	yes (swappable with 1 HDD tray)
interface			
monitor	VGA output	VGA 1 (up to 1920 x 1200); VGA 2 (1280 x 1024)	
	HDMI output	-	
	TV output	1 (supports hybrid multi-quad output)	
	spot output	1 (supports full screen output from analog camera channels with triggered alarms)	
audio	input	16 line-in, 8 KHz sampling rate	
	output	1 line-out	
MIC	input	1 line-in	
alarm	sensor (alarm) input	16 input voltage: max. DC 6V	
	relay output	4 (NO / NC), voltage range: AC 125V / DC 30V, switching current: max. 1A	
network	Ethernet (RJ45)	2 (10/100/1000Base-T)	
general			
electrical	power input	120W power adaptor, DC 19V	
environmental	operating temperature	0°C ~ 40°C	
	operating humidity	90% RH	
mechanical	dimensions (W x H x D)	430 x 105 x 410 mm	430 x 60 x 370 mm
	weight (net)	7.6 kg	5.2 kg

* installed upon assembly

