

IWH5000 Series

16CH / 32CH Hybrid DVR

The AVer IWH5000 Windows® based hybrid DVRs feature a powerful quad-core processor to deliver quality video, with up to 5 megapixels per designated camera channel and a total of 80 megapixels for all channels. The IWH5000 series supports dual monitor output for monitoring images on one monitor, while viewing video playback or E-maps on the other. It also comes with the all-new setup wizard, making system configuration easier than ever.



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.



Extended storage capacity & S.M.A.R.T.

The IWH5000 series' advanced data storage capabilities are clearly evident with support for 6 removable hard disk drives, as well as e-SATA and iSCSI interface for extended hard disk or RAID storage. Adding to the IWH5000 series' notable strength is the S.M.A.R.T. status alarm feature which notifies the operator of potentially fatal system errors in advance to ensure system stability.



POS integration & management

The IWH5000 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. In addition, the keyword monitoring function can send alert messages to the manager when specific items are purchased.



Versatile remote software integration

The IWH5000 series is compatible with AVer's CM3000 and CM3000 Gold central management software (CMS) to achieve powerful centralized management of up to 1000 DVRs, plus the ability to create a TV-wall command center through AVer's Remote iMatrix software. IWH5000 is also integrated with AVer's AndroidViewer and iViewer mobile apps, so users can view live video on iPhones, iPads, and Android phones / tablets.

Video Intelligence
object, motion
FaceFinder

Advanced Alarm
management

Expandable Storage
e-SATA, iSCSI

S.M.A.R.T. Status
Notification

CMS
1000 DVRs

POS
integrate up to 16

Mobility
iViewer (iOS)
AndroidViewer

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model		IWH5416+16	IWH5416 Touch II
system			
operating system	embedded Windows® 7 (64-bit)		
total channel numbers	32		
max. IP camera input	32		
max. analog camera input	16		
performance			
recording (analog)	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: 480 / 400fps	
recording (IP)	resolution	up to 5 megapixels per channel, total of 80 megapixels for all channels in H.264 / MPEG-4 / MJPEG format.	
network throughput		180 Mbps	130 Mbps
display (analog)	frame rate (NTSC/PAL)	480 / 400fps	
storage	Internal HDD capacity	6 SATA HDDs (6 removable HDD trays)	
	external HDD support	e-SATA HDD or RAID x 1	
	iSCSI support	yes	
backup	internal DVD writer	– (supports external DVD-RW)	
Interface			
monitor	VGA output	1 (up to 1920 x 1200)	
	HDMI output	1 (up to 1920 x 1200)	
	SPOT monitor output	2 (supports 1 hybrid multi-quad output and 1 full screen output from analog camera channels with triggered alarms)	
audio	input	16 line-in 8KHz 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 250V / DC 30V switching current: max. 1A	
network	Ethernet (RJ45)	2 (10/100/1000Base-T)	
connection	e-SATA	1	
	RS-232	1 (D-sub 9 pins, male)	
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)	
	USB 2.0	6 (2 ports on front panel, 4 ports on rear panel)	
control	front key pad	-	yes
	LCD display	-	yes (temperature / system status / free HDD space / alarm status)
general			
electrical	power input	250W PSU	
environmental	operating temperature	0°C to 40°C	
	operating humidity	90% RH	
mechanical	dimensions (W x H x D)	430 x 105 x 410 mm	
	weight (net)	8.36kg	

optional accessory



rack ear