HANSE SURVEILLANCE SOLUTIONS 2019 DVR/NVR CATALOGUE



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DVR



HD ANALOG DVR

HVR-F7 series

TVI/AHD/Analog camera support Over 400m transmission with 5c-2v cable ezP2P™ Cloud Service without any complicated network setting ezLink™ for Instant Live Monitoring with Mac Address Input 2 x Typical PUSH Functions

-PUSH Video Call to iPhone/iPad & Android Phone -PUSH Network Connection under Sensor Event POS Function up to 4 sets of POS Devices Startup Wizard for Easy Configuration Remote Monitoring by Remote S/W(CMS) & Smart Phone Talk-Back Function for 2-way communication with Smart Phone



[HVR-F704]



[HVR-F708/716]

MODEL		HVR-F704 (4 Ch)	HVR-F708 (8 Ch)	HVR-716 (16 Ch)	
Compression Algorithm			Video : H.264, Audio : ADPCM		
Max. HDD Bay		1 x SATA HDD	2 x SATA HDD	4 x SATA HDD	
Operating System			Embedded Linux		
Video F	Input	4 Ch	8 Ch	16 Ch	
	Format		TVI, AHD, ANALOG		
	Loop-Out	Not Available			
Video Mode			NTSC/PAL Selectable		
Live Display (NTSC/ P	,	120/100 fps	240/200 fps	480/400 fps	
Screen Modes for Live	Display	1 & 4	1, 4 & 9	1, 4, 9 & 16	
Video-Out	Monitor	VGA & HDMI & Spot (or VGA & HDMI & Composite)			
	Resolution	HDMI: 800x600, 1024x768, 1280x1024, 1920x1080 (Selectable)			
	352x240/288(CIF)	120/100 fps	240/200 fps	480/400 fps	
Recording Speed	960x480/576(960H)	120/100 fps	240/200 fps	480/400 fps	
(HD, NTSC/PAL)	1280x720 (HD)	96/100 fps	192/200 fps	384/400 fps	
	1920x1080 (HD)	48/50 fps	96/100 fps	192/200fps	
Recording Resolution		HD : 1280x720, 1920x1080 NTSC : 352x240, 720x240, 720x480, 960x480, PAL : 352x288, 720x288, 720x576, 960x576			
Recording Modes			uled, Sensor-Activated & Motion Detec	5	
Recording Modes		Pre & Post Alarr	n Recording, Emergency Recording, Q	uick Backup	
	Speed		x1, x2, x4, x8, x16, x32		
Playback & Search	Ch & Resolution	1, 4, 9 & 16 Ch at 1080P (1920 x 1080)			
	Function	Intelli-Search by T	Time Bar, Calendar (Date & Time) and	Event Search	
Audio Input / Output		1 Ch / 1 Ch			
Alarm Input / Relay Ou	itput	4 Ch / 1 Ch			
P/T/Z Control (RS-485))	Virtual Joy-Stick Control on screen by Mouse Pan/Tilt/Zoom/Focus/Iris by Keyboard			
		Gigabit Ethernet (RJ45)			
LAN		Fixed IP, DHCP & DDNS			
		1) Dual-Stream (Local Recording & Netwo			
		2) Network Bandwidth Control (25 Kbps ~ 1000 Mbps)			
Network Function		3) Live Monitoring, Remote Playback and File Backup (Triplex-on-Remote)			
Network Function		4) Time Synchronization by NTP Server ("pool.ntp.org")			
		5) Remote & E-Mail Notification, Remote System Reboot by IE, Remote PTZ Control			
		6) P2P Cloud Service (Auto Port forwarding)			
Remote Management	Software		CMS & MMS (MV3000)		
Remote management	Web (IE)	Live Monitoring, Playback & System Configuration			
Backup Device	Internal	Not Available			
Backup Device	External	Local Backup by USB ODD, Network Backup by CMS, File Upload to FTP Server			
System Recovery after	Power Failure	Auto-Reboot and Journaling File System			
		1) Firmware Upgrade by USB & CMS over			
Advanced Functions		2) Import & Export of Setting Value, Water-Mark, AVI File Backup			
		3) Quick Setup to designate Recording Period			
		4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period)			
		5) Warning Alarm for System Over-Temperature			
		6) Help Message for easy setup & Multi-Language support			
200		7) Digital Zoom for both Live & VOD mod			
POS Constanting		Text-in Based (USB to Serial support, TCP/IP Network) / Display POS Data on Live & Playback			
System Operation		Front Button, IR Remote Controller, USB Mouse, Keyboard (Option)			
Power		12V x 3A D/C	12V x 5A D/C	12V x 5A D/C	
Operating Temperature and Humidity		064 × 045 ··· 44 ()	5~40 ℃ / 20~90% RH	v 66 (mm)	
Dimension (WxDxH)		264 x 245 x 44 (mm)	360 x 380	אס (mm)	
Certification			CE & FCC & KCC & WEEE, RoHS		

 $(\ensuremath{^*})$ Specification is subject to change without prior notice.

EX-SDI DVR

HVR-FE series

2MP Camera Supported

Over 400m transmission with 5c-2v cable

ezP2P[™] Cloud Service without any complicated network setting ezLink[™] for Instant Live Monitoring with Mac Address Input 2 x Typical PUSH Functions

-PUSH Video Call to iPhone/iPad & Android Phone -PUSH Network Connection under Sensor Event POS Function up to 4 sets of POS Devices Startup Wizard for Easy Configuration Remote Monitoring by Remote S/W(CMS) & Smart Phone Talk-Back Function for 2-way communication with Smart Phone



[HVR-FE504]



[HVR-FE508/516]

Model		HVR-FE504 (4CH)	HVR-FE508 (8CH)	HVR-FE516 (16CH)		
Compression Algorithm			Video : H.264, Audio : ADPCM			
Max. HDD		1 x SATA HDD	2 x SATA HDD	4 x SATA HDD		
Operating System			Embedded Linux			
	Input	4 Ch	8 Ch	16 Ch		
Video	Format		HD-SDI / EX-SDI 1.0 / EX-SDI 2.0)		
Video Mode			Digital			
Live Display		120/100 fps	240/200 fps	480/400 fps		
Split Model		1 & 4	1,4 &9	1, 4, 9 & 16		
Video Output	Monitor		HDMI & VGA & Analog Spot(CVBS	,		
nace earpar	Resolution	HDMI: 800x600, 1024x768, 1280x1024, 1920x1080 (Selectable)				
Recording Speed	1280x720(720P)	120 fps	240 fps	480 fps		
. .	1920x1080(1080P)	60 fps	120 fps	240 fps		
Recording Resolution	Digital		1280 x 720, 1920 x 1080			
Recording Mode		Continue	ous, Emergency, Motion, Schedule	, Alarm, Panic		
	Speed		x1, x2, x4, x8, x16, x32, x64, x128	3		
Playback & Search	Channel & Resolution	1, 4, 9 & 16 ch @ 1080P				
	Function	Calendar, Date & Time, Event, Starting time, Last time				
Audio Input /Output		4 Ch / 1 Ch	8 Ch / 1 Ch	8 Ch / 1 Ch		
Alarm input/ Output		4 Ch / 1 Ch	4 Ch / 1 Ch	4 Ch / 1 Ch		
P/T/Z Control (RS-485)		Virtual Joystick control on screen by Mouse				
· · · · ·		Pan/Tilt / Zoom / Focus / Iris by Keyboard				
UTC		4Ch UTC (EX-SDI)	8Ch UTC (EX-SDI)	16Ch UTC (EX-SDI)		
LAN			Giga Ethernet (RJ45)			
			Static, Dynamic & DDNS			
		1) Dual Stream (Local Record	° ,			
		2) Network Bandwidth Control (25Kbps ~1000 Mbps)				
Network Function		3) Live Monitoring, Remote Playback and File backup(Triplex on Remote)				
		 Time Synchronization by NTP Server ("pool.ntp.org") Remote & E-Mail Notification, Remote System Reboot by IE, Remote PTZ Control 				
		6) P2P Service (No Port forw				
Remote	Software		CMS & MMS (MV3000)			
Management	Web (IE)	li	ve Monitoring, Playback & System Conf	iguration		
Backup Device			USB ODD, Network Backup by CMS, Fi	•		
System Recovery after P	ower Failure	Auto-Reboot and Journaling File System				
		1) Firmware Upgrade by USB & CMS over Network				
		2) Import & Export of Setting Value, Water-Mark, AVI File Backup				
			3) Quick Setup to designate Recording Period			
Advanced Functions		4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period)				
		5) Warning Alarm for System Over-Temperature				
		6) Help Message for easy setup & Multi-Language support				
		7) Digital Zoom for both Live & VOD mode				
		8) Smart Search				
POS		Text-in Based (USB to Serial support, TCP/IP Network)				
System Operation		Front Button, IR Remote Controller, USB Mouse, Keyboard (Option) 12V x 5A D/C 12V x 5A D/C 12V x 7A D/C				
	Power		12V x 5A D/C	12V x 7A D/C		
Operating Temperature/ Humidity		004 045 444	5~40 ℃ / 20~90% RH			
Dimension (WxDxH)		264 x 245 x 44 (mm)	360 x 380 >			
Certification		CE & FCC & KCC & WEEE, RoHS				



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HVR-FN5 series

Plug & Play with Built-in PoE (Max. 16ch) IEEE 802.3 at : Auto Power Distribution to each PoE Port (Max. 30W/PoE Port) ONVIF Compatible & Auto IP Camera Detection/Registration Intelligent Dual(Main & Sub) Stream Recording/Display System Performance Monitoring(Bandwidth & Network Status, etc.) P2P Function that doesn't require Port Forwarding iSCSI function Support – External HDD through Network Smart Search – Multiple search by time & minutes' base Link Local(Zero Configuration) Supports H.264 I-Reference Supports ::: [HVR-FN504]



[HVR-FN508/516]

MODEL		HVR-FN504(4 Ch)	HVR-FN508 (8 Ch)	HVR-FN516 (16 Ch)	
Max. HDD Bay		1 x SATA HDD	2 x SATA HDD	2 x SATA HDD	
Operating System			Embedded Linux	-	
	Channel	4 Ch	8 Ch + 1 Ch(additional)	16 Ch	
IP Camera	Protocol		ONVIF		
	No. of PoE	4 Ch	8 Ch	16 Ch	
	PoE Type	100Mbps, 802.3at	100Mbps, 802.3at	1000Mbps, 802.3at	
	Speed	120fps	270fps	480fps	
Display	Screen Mode	1, 4	1, 4 & 9	1, 4, 9 & 16	
Video-In		IP Camera (Up to 4K UHD)			
	Monitor	Composite & VGA & HDMI			
Video-Out	Resolution	HDMI: 800x600, 1024x768, 1280x1024, 1920x1080 , 3840×2160 (4K) (Selectable)			
	CIF ~ 1080P	120fps	270fps	480fps	
Recording Speed	1920P	120fps	270fps	480fps	
5 - 1 - 5 - 1	2160P	120fps	270fps	480fps	
Recording Resolution			Main Stream(up to 4K) & Sub Stream	·	
Network bandwidth (N	lax)	40Mbps	80Mbps	80Mbps	
Deservice e Mardan		Continuous,	Scheduled, Sensor-Activated & Motion De	tection Recording	
Recording Modes		Pre & Pos	t Alarm Recording, Emergency Recording,	, Quick Backup	
	Speed		x1, x2, x4, x8, x16, x32, x64, x99		
Playback & Search	Ch & Resolution	1 & 4 : Main Stream, 9 & 16 : Sub Stream			
	Function	Intelli-Search by Time Bar, Calendar (Date & Time) and Event Search			
Audio Input / Output			1 Ch / 1 Ch		
Alarm Input / Relay O	utput	4 Ch / 1 Ch			
P/T/Z Control	·	ONVIF	ONVIF	ONVIF	
LAN		Gigabit Ethernet (RJ45) - Fixed IP, DHCP & DDNS			
		1) Dual-Stream (Local Recording & Network Transmission)			
		2) Dual-Recording(Live Display / Playback)			
		3) Live Monitoring, Remote Playback and File Backup (Triplex-on-Remote)			
Network Function		4) Time Synchronization by NTP Server ("pool.ntp.org")			
		5) Remote & E-Mail Notification, Remote System Reboot by IE, Remote PTZ Control			
		 6) P2P Service (No Port forwarding required) 			
Remote	Software	CMS & MMS (MV3000)			
Management	Web (IE)	Live Monitoring, Playback & System Configuration			
Backup Device	1100 (12)				
System Recovery after	r Dowor Epiluro	Local Backup by USB ODD, Network Backup by CMS, File Upload to FTP Server			
Cystem Recovery alle		Auto-Reboot and Journaling File System			
		1) Firmware Upgrade by USB & CMS over Network			
		2) Import & Export of Setting Value, Water-Mark, AVI File Backup			
Advanced Functions		3) Quick Setup to designate Recording Period			
		4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period)			
		5) Warning Alarm for System Over-Temperature			
		6) Help Message for easy setup & Multi-Language support			
		7) Digital Zoom for both Live & VOD mode			
		8) Smart Search			
POS		Text-in Based (USB to Serial support, TCP/IP Network)			
System Operation		IR Remote Controller, USB Mouse, Keyboard (Option)			
Power		48V 1.36A D/C	110~240V A/C (180W)	110 ~240V A/C (280W)	
Operating Temperatur	e and Humidity		5~40 ℃ / 20~90% RH		
Dimension (WxDxH)		315 × 240 × 48 mm (1U)	385 × 315 × 52 mm (1U)	385 × 315 × 52 mm (1U)	
Certification			CE & FCC & KCC & WEEE, RoHS		
(*) On a sifi s stimula in such					



PoE NVR

HVR-FN6 series

Plug & Play with Built-in PoE (Max. 16ch) IEEE 802.3 at : Auto Power Distribution to each PoE Port (Max. 30W/PoE Port) ONVIF Compatible & Auto IP Camera Detection/Registration Intelligent Dual(Main & Sub) Stream Recording/Display System Performance Monitoring(Bandwidth & Network Status, etc.) P2P Function that doesn't require Port Forwarding iSCSI function Support – External HDD through Network Smart Search – Multiple search by time & minutes' base Link Local(Zero Configuration) Supports H.264 I-Reference Supports 4 5 1 =

[HVR-FN604]

[HVR-FN608/616]

MODEL		HVR-FN604 (4 Ch)	HVR-FN608 (8 Ch)	HVR-FN616 (16 Ch)		
Max. HDD Bay		2 x SATA HDD	4 x SATA HDD	4 x SATA HDD		
Operating System			Embedded Linux			
	Channel	4 Ch + 5 Ch(additional)	8 Ch + 1 Ch(additional)	16 Ch		
IP Camera	Protocol		ONVIF			
	No. of PoE	4 Ch	8 Ch	16 Ch		
	PoE Type	100Mbps, 802.3at	100Mbps, 802.3at	1000Mbps, 802.3at		
D : 1	Speed	270fps	270fps	480fps		
Display	Screen Mode	1, 4 & 9	1, 4 & 9	1, 4, 9 & 16		
Video-In		IP Camera (Up to 4K UHD)				
	Monitor	Composite & VGA & HDMI				
Video-Out	Resolution	HDMI: 800x600, 1024x768, 1280x1024, 1920x1080, 3840×2160 (4K) (Selectable)				
	CIF ~ 1080P	270fps	270fps	480fps		
Recording Speed	1920P	270fps	270fps	480fps		
U .	2160P	270fps	270fps	480fps		
Recording Resolution			Main Stream(up to 4K) & Sub Stream			
Network bandwidth (Max)		80Mbps 80Mbps 160Mbps				
Recording Modes		Continuous,	Continuous, Scheduled, Sensor-Activated & Motion Detection Recording			
Necoluling Modes		Pre & Pos	Pre & Post Alarm Recording, Emergency Recording, Quick Backup			
	Speed		x1, x2, x4, x8, x16, x32, x64, x99			
Playback & Search	Ch & Resolution	1 & 4 : Main Stream, 9 & 16 : Sub Stream				
	Function	Intelli-Search by Time Bar, Calendar (Date & Time) and Event Search				
Audio Input / Output			1 Ch / 1 Ch			
Alarm Input / Relay Ou	Itput	4 Ch / 1 Ch	8 Ch / 1 Ch	16 Ch / 4 Ch		
P/T/Z Control		ONVIF	RS-485 / ONVIF	RS-485 / ONVIF		
LAN		Gigabit Ethernet (RJ45) - Fixed IP, DHCP & DDNS				
		1) Dual-Stream (Local Recording & Network Transmission)				
		2) Dual-Recording(Live Display / Playback)				
		3) Live Monitoring, Remote Playback and File Backup (Triplex-on-Remote)				
Network Function		4) Time Synchronization by NTP Server ("pool.ntp.org")				
		5) Remote & E-Mail Notification, Remote System Reboot by IE, Remote PTZ Control				
		6) P2P Service (No Port forwarding required)				
Remote	Software	CMS & MMS (MV3000)				
Management	Web (IE)	Li	Live Monitoring, Playback & System Configuration			
Backup Device		Local Backup by USB ODD, Network Backup by CMS, File Upload to FTP Server				
System Recovery after	Power Failure	Auto-Reboot and Journaling File System				
-,,,		1) Firmware Upgrade by USB & CMS over Network				
		2) Import & Export of Setting Value, Water-Mark, AVI File Backup				
Advanced Functions		3) Quick Setup to designate Recording Period				
		 4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period) 				
		5) Warning Alarm for System Over-Temperature				
		6) Help Message for easy setup & Multi-Language support				
		7) Digital Zoom for both Live & VOD mode				
		8) Smart Search				
		,	in Road (LICP to Corial surgest TOD//D	lotwork)		
POS Sustan Operation		Text-in Based (USB to Serial support, TCP/IP Network)				
System Operation			Remote Controller, USB Mouse, Keyboard (
Power	o on d Llunciditu	48V 1.875A A/C (180W)	110~240V A/C (300W)	110 ~240V A/C (300W)		
Operating Temperature and Humidity			5~40 ℃ / 20~90% RH			
Dimension (WxDxH)			445 × 400 ×71 mm (1.5U)	445 × 400 ×71 mm (1.5U)		
Dimension (WxDxH) Certification		385 × 315 × 52 mm (1U)	CE & FCC & KCC & WEEE, RoHS	440 × 400 × 11 mm (1.56)		



None PoE NVR

HVR-FN616N

16Ch Real Time Display and Real Time Recording ONVIF Compatible & Auto IP Camera Detection/Registration Intelligent Dual(Main & Sub) Stream Recording/Display System Performance Monitoring(Bandwidth & Network Status, etc.) P2P Function that doesn't require Port Forwarding ISCSI function Support – External HDD through Network Smart Search – Multiple search by time & minutes' base Link Local(Zero Configuration) Supports H.264 I-Reference Supports



[HVR-FN616N]

MODEL		HVR-FN616N		
Max. HDD Bay		4 x SATA HDD		
Operating System		Embedded Linux		
5	Channel	16 Ch		
IP Camera	Protocol	ONVIE		
	No. of PoE	None		
	Resolution	Up to 8M (4K)		
	Speed	Real time		
Display	Screen Mode	1, 4, 9, 16		
Video-In	0010011110000	IP Camera (Up to 4K UHD)		
	Monitor	VGA & HDMI		
Video-Out	Resolution	1024x768, 1280x1024, 1920x1080, 2560x1440, 2560x1600, 3840x2160(4K) (Selectable)		
	CIF ~ 1080P			
Recording Speed	1920P	480fps 480fps		
Necolulity Speed	2160P	400ps 480fps		
Popording Popolution	21001			
Recording Resolution		Main Stream(up to 4K) & Sub Stream		
Throughput (Max. Ba	andwidth)	160Mbps		
Recording Modes		Continuous, Motion, Sensor, Continuous +Motion, Continuous +Sensor, Motion + Sensor		
Notes		Pre & Post Alarm Recording, Emergency Recording, Quick Backup		
	Speed	x1, x2, x4, x8, x16, x32, x64, x99		
Playback & Search	Ch & Resolution	1 & 4 & 9 & 16: Main Stream, More than 25channels mode : Sub Stream		
	Function	Search by Time Bar, Calendar (Date & Time) and Event Search, Smart Search, Advanced Smart Search		
Simultaneous Playbad	:k	Real time Playback		
Sensor in /Relay Outp		16Ch / 4 Ch		
P/T/Z Control		RS-485, ONVIF		
LAN		Gigabit Ethernet (RJ45) x 2EA, Fixed IP, DHCP & DDNS, DHCP server embedded		
2,		1) Dual-Stream (Local Recording & Network Transmission)		
		2) Dual-Recording(Live Display / Playback) 2) Live Manitoring, Rameta Displayer and File Reskup (Triplay on Remote)		
Network Function		3) Live Monitoring, Remote Playback and File Backup (Triplex-on-Remote)		
		4) Time Synchronization by NTP Server ("pool.ntp.org")		
		5) Remote & E-Mail Notification, Remote System Reboot by IE, Remote PTZ Control		
		6) P2P Service (No Port forwarding required)		
Remote	Software	CMS & MV3000(Mobile App)		
Management	Web (IE)	Live Monitoring, Playback & System Configuration		
Backup Device		Local Backup by USB ODD, Network Backup by CMS, File Upload to FTP Server		
System Recovery afte	er Power Failure	Auto-Reboot and Journaling File System		
		1) Firmware Upgrade by USB & CMS over Network		
		2) Import & Export of Setting Value, Water-Mark, AVI File Backup		
Advanced Functions		3) Easy Setup by Startup Wizard		
		4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period)		
		5) Tool for System Performance Monitoring at a glance		
		6) Help Message for easy setup & Multi-Language support		
		7) Digital Zoom for both Live & VOD mode		
		8) Smart Search		
POS		Text-in Based (USB to Serial support, TCP/IP Network)		
System Operation		Front Button, IR Remote Controller, USB Mouse, Keyboard (Option)		
Power		110~240V A/C (80W)		
Operating Temperatur	re and Humidity	5~40 ℃ / 20~90% RH		
1 0 1		-		
Dimension (WxDxH)		445 × 400 ×71 mm (1.5U)		
Certification		CE & FCC & KCC & WEEE, RoHS		



None PoE NVR

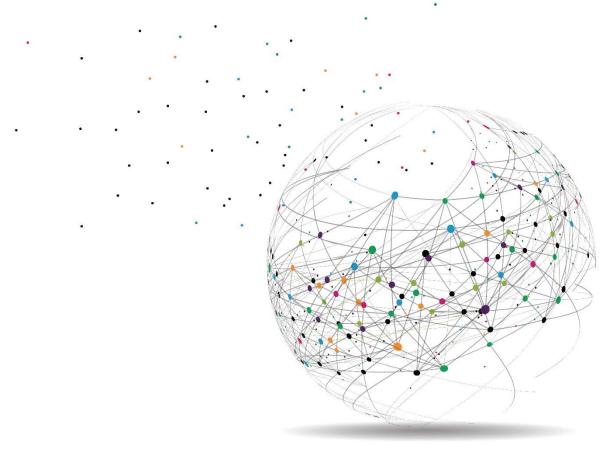
HVR-F736

ONVIF Compatible & Auto IP Camera Detection/Registration Intelligent Dual(Main & Sub) Stream Recording/Display System Performance Monitoring(Bandwidth & Network Status, etc.) P2P Function that doesn't require Port Forwarding iSCSI function Support – External HDD through Network Smart Search – Multiple search by time & minutes' base Various Connection Method depending on user/site Link Local(Zero Configuration) Supports H.264 I-Reference Supports



[HVR-F736]

MODEL		HVR-F736		
Max. HDD Bay		4 x SATA HDD (8 HDD optional)		
Operating System		Embedded Linux		
	Channel	36 Ch		
IP Camera	Protocol	ONVIF		
	No. of PoE	None		
	Resolution	Up to 8M (4K)		
	Speed	Real time		
Display	Screen Mode	1, 4, 9, 16, 25, 36		
′ideo-In		IP Camera (Up to 4K UHD)		
	Monitor	VGA & HDMI		
/ideo-Out	Resolution	1024x768, 1280x1024, 1920x1080, 2560x1440, 2560x1600, 3840x2160(4K) (Selectable)		
	CIF ~ 1080P	1080fps		
ecording Speed	1920P	1080fps		
5 - 1 - 5 - 1	2160P	1080fps		
ecording Resolution		Main Stream(up to 4K) & Sub Stream		
hroughput (Max. Ba	andwidth)	200Mbps		
5-r (,	Continuous, Motion, Sensor, Continuous +Motion, Continuous +Sensor, Motion + Sensor		
Recording Modes				
		Pre & Post Alarm Recording, Emergency Recording, Quick Backup		
	Speed	x1, x2, x4, x8, x16, x32, x64, x99		
Playback & Search	Ch & Resolution	1 & 4 & 9 & 16: Main Stream, More than 25channels mode : Sub Stream		
	Function	Search by Time Bar, Calendar (Date & Time) and Event Search, Smart Search, Advanced Smart Search		
Simultaneous Playbac	:k	Real time Playback		
Sensor in /Relay Outp	ut	16Ch / 4 Ch		
P/T/Z Control		RS-485, ONVIF		
_AN		Gigabit Ethernet (RJ45) x 2EA, Fixed IP, DHCP & DDNS, DHCP server embedded		
		1) Dual-Stream (Local Recording & Network Transmission)		
		2) Dual-Recording(Live Display / Playback)		
Network Function		3) Live Monitoring, Remote Playback and File Backup (Triplex-on-Remote)		
Network Function		4) Time Synchronization by NTP Server ("pool.ntp.org")		
		5) Remote & E-Mail Notification, Remote System Reboot by IE, Remote PTZ Control		
		6) P2P Service (No Port forwarding required)		
Remote	Software	CMS & MV3000(Mobile App)		
lanagement	Web (IE)	Live Monitoring, Playback & System Configuration		
ackup Device		Local Backup by USB ODD, Network Backup by CMS, File Upload to FTP Server		
System Recovery afte	r Power Failure	Auto-Reboot and Journaling File System		
		1) Firmware Upgrade by USB & CMS over Network		
		2) Import & Export of Setting Value, Water-Mark, AVI File Backup		
Advanced Functions		3) Easy Setup by Startup Wizard		
		4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period)		
		5) Tool for System Performance Monitoring at a glance		
		6) Help Message for easy setup & Multi-Language support		
		7) Digital Zoom for both Live & VOD mode		
00		8) Smart Search		
POS		Text-in Based (USB to Serial support, TCP/IP Network)		
System Operation		Front Button, IR Remote Controller, USB Mouse, Keyboard (Option)		
Power		DC 12V		
Operating Temperatur	e and Humidity	5~40 ℃ / 20~90% RH		
Dimension (WxDxH)		420 × 400 × 88 mm		
Certification		CE & FCC & KCC & WEEE, RoHS		



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