AVerMedia Information Inc.

Model Name	EXR5016 Lite (Pure NVR)	EH5116 Pro	EH5216+ EH5216 Lite
Photo			
Electrical			
Camera Inputs (analog)	NA	16 BNC connectors	16 BNC connectors
Loop Through (analog)	NA	16 BNC connectors	16CH DVI connector, optional BNC cable
Camera Inputs (IP)	16 video/audio H.264/MPEG4/ JPEG data streams from IP cam	16 video/audio H.264/MPEG4/ JPEG data streams from IP cam	16 video/audio H.264/MPEG4/ JPEG data streams from IP
Compression Method (analog)	NA	MPEG4	MPEG4
Recording resolution (analog inputs)	NA	PAL: 352 x 288 (CIF), 720 x 288 (Half D1), 720 x 576 (D1)	PAL: 352 x 288 (CIF), 720 x 288 (Half D1), 720 x 576 (D1)
	NA	NTSC: 352 x 240 (CIF), 720 x 240 (Half D1), 720 x 480 (D1)	NTSC: 352 x 240 (CIF), 720 x 240 (Half D1), 720 x 480 (D1)
Recording resolution (IP inputs)	Each channel up to 1920X 1200, 1CH(16[th]CH) up to 5 megapixel	Each channel up to 1920X 1200, 1CH(16[th]CH) up to 5 megapixel	Each channel up to 1920X 1200, 1CH(16[th]CH) up to 5
Recording rates (analog)	CIF(NTSC/PAL) NA	CIF(NTSC/PAL) 480/ 400 fps	CIF(NTSC/PAL) 480/ 400 fps
	Half D1(NTSC/PAL) NA	Half D1(NTSC/PAL) 240/ 200 fps	Half D1(NTSC/PAL) 480/ 400 fps
	D1(NTSC/PAL) NA	D1(NTSC/PAL) 120/ 100 fps	D1(NTSC/PAL) 240/ 200 fps
Recording rates per channel	NA	NTSC:0-30 fps	NTSC:0-30 fps
	NA	PAL:0-25 fps	PAL:0-25 fps
Supported IP cameras (support IP PTZ, IP IO, and IP audio if IP cameras built-in)	AXIS, Panasonic, SONY, Arecont, Mobotix, BOSCH, IQinvision, JVC, TOSHIBA, VIVOTEK, ACTi, D-Link, PiXORD, PELCO, Apron, Lilin and more	AXIS, Panasonic, SONY, Arecont, Mobotix, BOSCH, IQinvision, JVC, TOSHIBA, VIVOTEK, ACTi, D-Link, PiXORD, PELCO, Apron, Lilin and more	AXIS, Panasonic, SONY, Arecont, Mobotix, BOSCH, IQinvision, JVC, TOSHIBA, VIVOTEK, ACTi, D-Link, PiXORD, PELCO, Apron, Lilin and more
Audio Inputs / Audio Output / Mic	1/1	16/1/1	16/1/1 (Optional)
Alarm Inputs / Relay Outputs	16/4	16/4	16/4
Storage capacity support	Support 4 SATA HDD	Support up to 4 SATA HDD (1 removable, 3 internal)	Support 4 SATA HDD
eSATA support	1 eSATA connector, Support eSATA RAID	1 eSATA connector, Support eSATA RAID	1 eSATA connector, Support eSATA RAID
Video output	VGA Out x 1	VGA Out x 1 or TV Out x 1	VGA Out x 1
Spot monitor output	NA	None	2 BNC connectors, output for full screen from alerted analog ca
Ethernet	10/100/1000Base-T, bandwidth-limited	10/100/1000Base-T	10/100/1000Base-T, bandwidth-limited
RS 485 port	NA	1, Terminal Block, Tx+, Tx-, Rx+, Rx-	1, Terminal Block, Tx+, Tx-, Rx+, Rx-
RS 232 port	1, 9 Pin, Male	1, 9 Pin, Male	1, 9 Pin, Male
USB 2.0	Front x 3	4 (Front x 2, Rear x 2)	Front x 3
DVD writer	NA	Included; supported medias: DVD±R, DVD±RW	Included; Support DVD±R, DVD± NA
Power Input	Power adaptor; 19 VDC	Power supply; 100 / 240 VAC, 50 / 60 Hz	Power adaptor; 19 VDC
Operating system	Embedded Linux, Graphical User Interface	Embedded Linux, Graphical User Interface	Embedded Linux, Graphical User Interface
Operator Interface	USB mouse, USB PC keyboard, remote controller(support optional IR extension cable)	USB mouse, USB PC keyboard, remote controller(support optional IR extension cable)	USB mouse, USB PC keyboard, remote controller(support optional IR extension cable)
Front panel key	NA	Front panel keypad with jog shuttle and LCM	Keypad for DVR control & PTZ NA
Web Browser (Remote Client)	Microsoft Internet Explorer 6 or higher, on Windows 2000, XP, VISTA	Microsoft Internet Explorer 6 or higher, on Windows 2000, XP,	Microsoft Internet Explorer 6 or higher, on Windows 2000, XP,
Mechanical facilities			
Dimensions(H x W x D)	65x430x370 mm	108x430x420 mm	65x430x370 mm
Weight	4.6 KG (Not include HDDs)	7.5 KG (Not include HDDs)	4.6 KG (Not include HDDs)
Environmental conditions			
Operating temperature	0 °C to +40 °C (32 ° to 104 °F)	0 °C to +40 °C (32 ° to 104 °F)	0 °C to +40 °C (32 ° to 104 °F)
Storage temperature	-30 °C to +60 °C (-22°F to 140 °F)	-30 °C to +60 °C (-22°F to 140 °F)	-30 °C to +60 °C (-22°F to 140 °F)
Relative humidity in operation	50%-80%	50%-80%	50%-80%
Relative humidity when stored	90%	90%	90%
Electromagnetic Compatibility			

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• USA	FCC Part 15, Class A	FCC Part 15, Class A	FCC Part 15, Class A
• EU	EN61000-6-4(Class A)	EN 55011(Group I, Class A)	EN61000-6-4(Class A)
	EN 50130-4	EN 61000-6-4, EN 50130-4	EN 50130-4
Safety			
• EU	EN 60950-1: 2006	EN 60950-1: 2001+A11:2004	EN 60950-1: 2006
Functional			
Recording Modes	Continuous Recording / Smart Recording / Motion Recording / Alarm Recording / Manual Recording. All modes can be triggered by	Continuous Recording / Smart Recording / Motion Recording / Alarm Recording / Manual Recording. All modes can be	Continuous Recording / Smart Recording / Motion Recording / Alarm Recording / Manual Recording. All modes can be
De-interlace options	-	Optimize for dynamic or static analogcamera scenes	Optimize for dynamic or static analogcamera scenes
Motion Detection	Detecting any kind of movements	Detecting any kind of movements	Detecting any kind of movements
E-map Function	Show the positions of cameras, sensors, relays and triggered status	Show the positions of cameras, sensors, relays and triggered	Show the positions of cameras, sensors, relays and triggered
Powerful Search	By date, time, camera, event, and log file	By date, time, camera, event, and log file	By date, time, camera, event, and log file
PTZ Control	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Speed, Preset point, Autopan	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Speed, Preset point, Autopan	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Speed, Preset point, Autopan
Advanced Event Log Viewer	Details complete event logs according to your selection on event, operation, system and network events.	Details complete event logs according to your selection on event, operation, system and network events.	Details complete event logs according to your selection on event, operation, system and network events.
Remote Access			
Central Management	CM3000 Central Management System to support up to 1000 DVRs	CM3000 Central Management System to support up to 1000	CM3000 Central Management System to support up to 1000
Remote software	WebViewer via regular IE browser / Remote Console/ JavaViewer/ PDAViewer	WebViewer via regular IE browser / Remote Console/ JavaViewer/ PDAViewer	WebViewer via regular IE browser / Remote Console/ JavaViewer/ PDAViewer
Dispatch Server	Share transmission loading; enable more clients at remote access & high-speed data transmission.	Share transmission loading; enable more clients at remote access & high-speed data transmission.	Share transmission loading; enable more clients at remote access & high-speed data transmission.
DDNS	Allow remote clients to search dynamic servers without enquiring for server's IP address	Allow remote clients to search dynamic servers without enquiring for server's IP address	Allow remote clients to search dynamic servers without enquiring for server's IP address
Advnaced Tool			
iEnhance	Enhance video quality such as Brightness/Contrast/ Hue/ Saturation/ Sharpness/ Noise Reduction/De-interlace/ Gray Scale of recorded	Enhance video quality such as Brightness/Contrast/ Hue/ Saturation/ Sharpness/ Noise Reduction/De-interlace/ Gray	Enhance video quality such as Brightness/Contrast/ Hue/ Saturation/ Sharpness/ Noise Reduction/De-interlace/ Gray
iStable	Fix shaking and jolts impact on video with just one click.	Fix shaking and jolts impact on video with just one click.	Fix shaking and jolts impact on video with just one click.