

Multi -service Video Management Platform



VMS-VD80

Features:



- 19" standard 4U ATCA industry box
- Easy and flexible configuration with pluggable card module design
- 80ch@1080P or 320ch@D1 signal encoding (full configured)
- 80ch@4K or 320ch@1080P or 720ch@720P or 1500ch@D1 signal decoding (full configured)
- Support 320ch@1080P H.265 signal decoding (full configured)
- Support 80ch@1080P SVAC and 240@D1 nonstandard stream signal decoding (full configured)
- Support max 60 screens splicing
- Support analog/digital video signals input and matrix output
- Support SD/HD video signal matrix switch and output
- Support non-compressed digital signal encoding output
- 6RJ-45gigabit network ports for matrix control, preview and online central storage
- Support TCP/IP/RTP/RTSP/RTCP/TCP/UDP/DHCP/PPPoE and etc. network protocols
- Support SAS storage board, connecting SAS HDDs case directly, RAID 0/1/5/6/10
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc. operations
- Support VGA signal automatic adjustment



Model	VMS-VD80		
System Parameter	Main Processor	Quad-core embedded microprocessor	
	Operating System	Embedded LINUX OS	
	Bus	PCI-E	
	Slot	12 (2 Main Control Board Slot, 10 Video and Audio Function Board)	
	Mainframe	Power module (redundant power optional), main control board, control board, PCI-Ebus rear panel, smart temperature controlled fan	
	Video Input Card	Max. 10	
	Video Output Card	Max. 10	
Video Input	WEnC0404HD-VD80 (DVI)	Interface	4ch DVI-I (HDMI & VGA with convertor)
		Encoding Format	H.264 / MPEG4
		Encoding Capability	4CH @1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA
	WEnC0404HH-VD80 (HDMI)	Interface	4ch HDMI
		Encoding Format	H.264 / MPEG4
		Encoding Capability	4CH @1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA
	WEnC0404HV-VD80 (VGA)	Interface	4ch VGA
		Encoding Format	H.264 / MPEG4
		Encoding Capability	4CH @1080P, support resolution: 1080P/720P/UXGA/SXGA+/SXGA/XGA/SVGA/VGA
	WEnC3204FB-VD80 (CVBS)	Interface	32ch BNC(1.0Vp-p, 75Ω)
		Signal Format	NTSC / PAL self-adaption
		Encoding Format	H.264 / MPEG4
		Encoding Capability	32CH@D1
		Data Ports	2 RS485 ports
	WEnC0804HC-VD80 (XVI)	Interface	8ch BNC (1.0Vp-p, 75Ω)
		Signal Format	HDCVI (audio/video/control)
		Encoding Format	H.264 / MPEG4
		Encoding Capability	8CH@1080P
	WEnC0404HS-VD80 (HD-SDI)	Interface	8ch BNC (1.0Vp-p, 75Ω)
		Signal Format	HD-SDI, 1.485Gbps
		Encoding Format	H.264 / MPEG4
		Encoding Capability	8CH@1080P
		Data Ports	2 RS485 ports
	Network Video	Encoding Standard	H.264 / MPEG4 / ONVIF / PISA
Transfer Protocol		TCP / UDP / RTP / RTSP / RTCP / DHCP	
Support Device		DVR, NVR, NVS, Video Matrix	
Video Resolution		1200W / 800W / 500W / 300W / 1080P / UXGA / 720P / D1 / HD1 / 2CIF / CIF / QCIF	

Model	VMS-VD80		
Video Output	WDeC0404UD-VD80 (DVI)	Decoding Capability	8CH@12MP(15fps)/8CH@4K/32CH@1080P/72CH@720P/144CH@D1
		Interface	4ch DVI-D
		H.265	4ch@1080P H.265 decoding
		Resolution	4000 x 3000 @15fps, 3840 x 2160@30fps,1920 x1 080@60fps, 1280 x 1024@60fps, 1280 x 720@60fps, 1024 x 768@60
		Split	1/4/6/8/9/16/25/36
	WDeC0604H-VD80 (HDMI)	Decoding Capability	8CH@12MP(15fps)/8CH@4K/32CH@1080P/72CH@720P/150CH@D1
		Interface	6ch HDMI
		H.265	32ch@1080P H.265 decoding
		Resolution	4000 x 3000@15fps, 3840 x 2160@30fps, 1920 x 1080@60fps, 1280 x 1024@60fps,1280 x 720@60fps, 1024 x 768@60fp
		Split	1/4/6/8/9/16/25/36
Storage	WSt0201R-VD80 (RAID Card)	Storage Capability	2 pcs SAS storage device, support 48 4T HDDs
		Interface	2ch mini SAS
		RAID	RAID0 / RAID1 / RAID5 / RAID6 / RAID10
Matrix Switch	Video Input	Analog Camera, Digital Camera, DVR, NVS, NVR and etc.	
	IP HD Matrix Switch	2048 IP input, 160ch@1080p, 320ch@720p, 640ch@D1	
Video Wall	Decoding Card Video-Wall Splicing	Splicing	Support video-wall splicing (max 60 LCD display units)
		Video Wall	Support Splicing Zoom / Merge / Roam /Overlay
		Input Source	HD/SD, Digital/Analog (support mix input)
		Output Port	DVI
		Control Mode	PC client-end / Local Operate Menu / Network Keyboard / IPAD
Network	Interface	6RJ-45 ports(10/100/1000M), 2 in mainboard and 4 in control board	
	Serial Port	4 RS232 ports (4RJ45), for console and control 1 RS485 ports	
	USB	3USB2.0, 1USB3.0	
Environmental	Power Supply	100~120V AC, 200~240V AC	
	Power Consumption	≤600W	
	Working Environment	-10°C ~ +50°C / 10~90%RH / 86~106kpa	
	Dimensions	4U, 482.6mm × 496mm × 177.8mm (W×D×H)	
	Weight	≤25Kg (full configured)	

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CANADA:
351 Ferrier Street, Unit 5
Markham, ON L3R 5Z2
Toll Free: 1-866-843-6865
Tel: 416-410-6865
Fax: 1-866-331-3341

USA:
171 Cooper Ave. Suite 110
Tonawanda, NY 14150 USA
Toll Free: 1-855-404-3193
Local: 1-716-877-7277
Fax: 1-866-331-3341

info@watchnetinc.com
www.watchnetinc.com

INDIA:
RZ- 2, Ground Floor
Kapashera
Opp Kapashera Police Station
New Delhi-110037
Tel/Fax: + 91 11 25060481

UAE:
P O Box 126312
No 703, Oxford Towers
Business Bay
Dubai, UAE
Tel: + 971 4 2767117