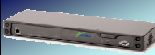
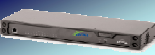
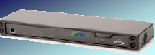
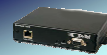
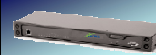


DVTEL'S ENCODER AND DECODER FAMILY GUIDE

DVTEL video Encoders are divided into three (3) product families 7500, 7600 and 8500. In addition to the video Encoders, Decoders are available for converting video back to an analog CCTV (NTSC/PAL) video signal to be viewed on a traditional CCTV monitor, or connected to a VCR and/or DVR. All video Encoders and Decoders are supported by the award winning Latitude NVMS and the Adaptive Visualization Technology (AVT) based SceneTracker. The following table provides general information on each of the Encoders and Decoders.

PRODUCT	7500 Series of MPEG-4 Encoders			7600 Series of High Res. MPEG-4 Encoders			8500 Series of VMD Encoders		7500 Series of Monitor Decoders	
										
Part Number	DVT-7501E/EA	DVT-7504E/EA	DVT-7508M/MA	DVT-7601(P)E/EA	DVT-7608E/EA/U	DVT-7612E/EA/U	DVT-8501E/EA	DVT-8601E/EA	DVT-7501D/DA	DVT-7504D/DA
Video Compression	MPEG-4	MPEG-4	MPEG-4	MPEG-4	MPEG-4	MPEG-4	MPEG-4	MPEG-4	MPEG-4	MPEG-4
Max Frame Rate per Input	30/25	30/25	15/12.5	30/25	30/25	30/25	30/25	30/25	30/25	30/25
Max Resolution per Input	640x480/ 640x576	640x480/ 640x576	640x480/ 640x576	704x480/ 704x576	704x480/ 704x576	704x480/ 704x576	640x480/ 640x576	704x480/ 704x576	704x480/ 704x576	704x480/ 704x576
Max Resolution at Max Frame Rate	352x240/352x288	352x240/352x288	352x240/352x288	704x480/ 704x576	704x480/ 704x576	704x240/ 704x288	352x240/352x288	704x480/ 704x576	Same as Input	Same as Input
Dual Stream Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pan Tilt Zoom Controls	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single Set of Bidirectional Audio	EA Version	EA Version	MA Version	EA Version	EA Version	EA Version	EA Version	EA Version	DA Version	DA Version
12 Unidirectional Audio Inputs	N/A	N/A	N/A	N/A	EU Version	EU Version	N/A	N/A	N/A	N/A
Audio Compression	64K PCM	64K PCM	64K PCM	64K PCM	EA - 64K PCM EU - 8/16/24 KHz	EA - 64K PCM EU - 8/16/24 KHz	64K PCM	64K PCM	64K PCM	64K PCM
Bandwidth Range	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb
Network Connectivity	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT
Network Protocol	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP
Serial Communication	RS232/422/485	RS232/422/485	RS232/422/485	RS232/422/485	RS232/422/485	RS232/422/485	RS422/485	RS422/485	RS232/422/485	RS232/422/485
Alarm Interface	3 in / 1 out	8 in / 3 out	8 in / 3 out	3 in / 1 out	8 in / 3 out	8 in / 3 out	2 in / 1 out	2 in / 1 out	3 in / 1 out	3 in / 1 out
Management	Latitude SW	Latitude SW	Latitude SW	Latitude SW	Latitude SW	Latitude SW	Latitude SW	Latitude SW	Latitude SW	Latitude SW
Power Requirement	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	24VAC	24VAC	12VDC	12VDC
Power over Ethernet (POE)	Injector/Splitter	Injector/Splitter	Injector/Splitter	P-version 802.3af	Injector/Splitter	Injector/Splitter	N/A	N/A	Injector/Splitter	Injector/Splitter

For more specific information please view each product cut sheet (www.dvtel.com/products) or contact your DVTEL representative at (www.dvtel.com/contacts). **See reverse side for Latitude NVMS options**



*These numbers are for a single stream of MPEG-4 video (recording or viewing). These numbers were calculated using a single stream of video (recorded as live) set at the DVTEL default camera settings. Please note that not all equipment supported by the Latitude NVMS software provide an MPEG-4 video stream. Please contact your DVTEL representative for a complete BW support.

The information provided herein is for guidance only and to set performance expectations for each Encoder type. Your actual experience may vary depending on variables beyond our control such as (1) the camera quality, (2) camera's operation with edge enhancements, (3) lighting, and (4) the amount of motion within the field of view.

Recording and Bandwidth Requirements*

Codec	FPS	1 FPS	3.75/3.12 FPS	7.5/6.25 FPS	15/12.5 FPS	30/25 FPS
CIF						
NTSC-352x240 PAL-352x288		48Kbs	128Kbs	256Kbs	512Kbs	1024Kbs
2CIF						
NTSC-704x240 PAL-704x288		108Kbs	192Kbs	512Kbs	1024Kbs	2048Kbs
4CIF						
NTSC-704x480 PAL-704x576		192Kbs	512Kbs	960Kbs	2048Kbs	4032Kbs

Specification sheet is subject to change without notice

DVTEL's IP FIXED AND PTZ DOME CAMERA FAMILY GUIDE

PRODUCT	Vandal Resistant IP Mini-Dome	Fixed IP Cameras		PTZ Dome IP Camera
		 Lens not included	 Lens not included	
Part Number	DVT-9440	DVT-9501*	DVT-9540	DVT-9840
Type	Vandal Fixed Dome	Industrial Box	Industrial Box	Industrial Dome
Video Compression	MPEG-4	MPEG-4	MPEG-4	MPEG-4
Max Frame Rate per Input	30/25	30/25	30/25	30/25
Max Resolution per Input	704x480/ 704x576	704x480/ 704x576	704x480/ 704x576	704x480/ 704x576
Max Resolution at Max Frame Rate	704x480/ 704x576	352x240/ 352x288	704x480/ 704x576	704x480/ 704x576
Dual Stream Support	Yes	Yes	Yes	Yes
Audio Support	Yes	Yes	No	Yes
Audio Compression	64K PCM	64K PCM	N/A	64K PCM
Bandwidth Range	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb	64Kb - 4Mb
Image Sensor	1/3" Sony HQ-1	1/3" Sony Interline Transfer CCD	PIXIM™ DPS CMOS	1/4" Hitachi G5/G6 DSP
Lens Type	3.8 - 9.5 DC auto-iris, varifocal	Varifocal, auto-iris C/CS mount	Varifocal, auto-iris C/CS mount	4-88mm - 22x 3.6-82.8mm - 23x
Light Sensitivity	0.8 lux	0.5 lux min	0.8 lux min	0.1 lux Min - 22x 0.01 lux Min - 23x
Day/Night	Yes	No	No	Yes - 23x
Privacy Windows	No	No	No	8 - 23x
Analog Video Output	Yes	Yes	Yes	No
Network Connectivity	10/100BaseT	10/100BaseT	10/100BaseT	10/100BaseT
Network Protocol	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP	RTP/IP; UDP/IP; TCP/IP; IGMP
Serial Communication	RS-232/422/485	RS-232/422/485	No	No
Alarm Interface	2 In / 1 Out	2 In / 1 Out	2 In / 1 Out	2 In / 1 Out
Management	Latitude SW / WEB	Latitude SW / WEB	Latitude SW / WEB	Latitude SW / WEB
Power Requirement	12VDC	12-24VDC	48VDC - POE only	24VAC
Power over Ethernet (POE)	Injector/splitter	Injector	802.3af	Indoor version - wiring accessory option
Mount	Surface; Recessed; Corner	Top/Bottom	Top/Bottom	Ceiling; Bracket

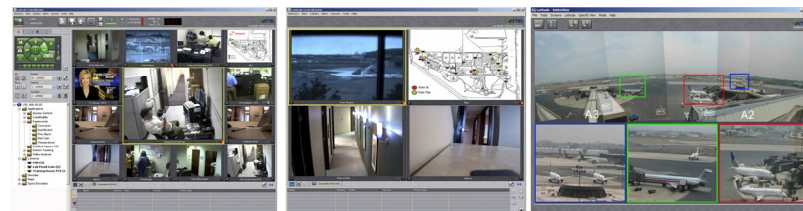
*9501 camera is compatible with the 7701D/DA Decoder only

For more specific information please view each product cut sheet (www.dvtel.com/products) or contact your DVTEL representative (www.dvtel.com/contacts)

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LATITUDE VIDEO SOFTWARE SOLUTION



DVTEL's Latitude NVMS Network Video Management System gives you all the tools you need to view, capture, record, analyze, report and store high quality video and audio - anytime, anywhere. The software is available in three (3) versions - Elite, Classic and Viewer.

Latitude NVMS Elite - Full featured system which supports an unlimited number of camera and monitor connections. Each Media Archive Server supports up to 70 camera/monitor connections, recording up to 30fps NTSC/ 25fps PAL

Latitude NVMS Classic - Entry-level system which supports a total of 70 camera/monitor connections

Latitude NVMS Viewer - Enterprise Class Network (IP) Digital Video Matrix Switcher for unlimited number of cameras. Each server supports up to 100 camera/monitor connections, viewing up to 30 fps NTSC/ 25fps PAL

DVTEL CCTV Keyboard - Latitude NVMS ControlCenter, SceneTracker viewing applications, and Decoder controls are also available using DVTEL's CCTV Keyboard

Latitude NVMS Software Options

Latitude software packages	
Latitude Classic	LAT35-C-DMC
Latitude Elite	LAT35-EL-DMC
Latitude Viewer	LAT35-VE-DMC
Latitude CCTV Keyboard	DVT-KBM
Latitude Keyboard License	LAT35-(C/EL/VE)-KBD-(01/02)

Latitude CCTV Keyboard



For recording and bandwidth requirements please see the "Recording and Bandwidth Requirement" table on reverse side.



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