PROFILE XP MEDIA PLATFORM

ORDERING INFORMATION

Ordering a Profile XP is a simple matter of determining the number and type of video and audio channels required, and then adding the required options for networking and other features. Use the ordering guide below to determine the appropriate options.

	ITEM	NOTES	ORDER
1	**VIDEO CHANNELS**	Determine the required number of video channels as inputs and outputs	The last two digits of the model number indicate the inputs and outputs (PVS1024 = 2 inputs/4 outputs)
2	**VIDEO FORMAT**	Serial Digital I/O is standard	Nothing is required
		Analog Composite/Component Video I/O	Order external 8900 Modular conversion equipment to convert to SDI I/O
3	**AUDIO**	16 audio channels (8 AES pairs) are standard	Opton 15 (PVS15) adds an additonal 16 audio channels (8 AES pairs)
4	**AUDIO FORMAT**	Embedded Audio	For Standard Definition nothing is required. For High Definition, order option EB
		AES/EBU digital audio	XLR216 breakout box provides 16 XLR connectors BNC216 breakout box provides 16 BNC connectors
		Analog Audio requires external analog to digital AES/EBU conversion	PAC216 (16 channels) (2) PAC216s for 32 channels
5	**VIDEO MONITORING** (SD ONLY)	A 4 channel analog composite monitor card with timecode burn-in and text overlay is optional	Option MN (PVSMN) for 4 channels. Order 2 for up to 8 channels
	HIGH DEFINITION	An SDI and analog composite (downconverted) output is standard for each output channel	Nothing is required
6	**NETWORKING**	Fibre Channel – For high speed data transfers	Option 1F (PVS 1F) Order appropriate Fibre Channel switch and optical cables
		Ethernet – 100 BaseT speeds for data transfers	Option 1L (PVS 1L) Order appropriate Ethernet switch and cables
7	**REDUNDANCY**	A redundant power supply and a mirrored NT system disk is optional	Option RD (PVS RD)
8	**ERROR MONITORING**	The Profile XP comes standard with local error reporting. Networked (SNMP) based error reporting to a remote NT workstation is optional	Option ER (PVS ER)
9	**STORAGE**	The minimum amount of storage required is dependent upon the number of channels and the data rate	Refer to the PFC500 data sheet for specifications on storage options

PROFILE XP – PVS1000 STANDARD DEFINITION MPEG

Base Systems

PVS1022	2 input, 2 output Video channels with 2 MPEG Encoders & 2 MPEG Decoders
PVS1044	4 input, 4 output Video channels with 4 MPEG Encoders & 4 MPEG Decoders
PVS1062	6 input, 2 output Video channels with 6 MPEG Encoders & 2 MPEG Decoders
PVS1008	8 output Video channels with 8 MPEG Decoders (requires opt 1F or 1L)
PVS1026	2 input, 6 output Video channels with 2 MPEG Encoders & 6 MPEG Decoders
PVS1024	2 input, 4 output Video channels with 2 MPEG Encoders & 4 MPEG Decoders
STANDARD (on all systems)	16 channel AES/EBU Digital Audio (8 AES pairs), 16 GPIs, 8 RS-422 Ports,100 BaseT Ethernet, 450 MHz Pentium, 128 MB, 9 GB system HD,1.44MB Floppy, CDROM, keyboard & mouse, Module Level Diagnostics with local monitoring connection (note 1)

Options

	OPTION	
PVS	15	Add 16 channels (8 AES pairs) of digital audio for a total of 32 channels (16 AES pairs)
PVS	1F	Add Fibre Channel Networking Port
PVS	1L	Add 100 BaseT Ethernet networking port
PVS	RD	Add redundant power supply & NT system disk
PVS	MN	Add 4 channel analog monitor card with text overlay and timecode burn-in (max 2)
PVS	ER	Add SNMP Remote System monitoring

Field Kits and Spares

PVMPG20	2 ch SD MPEG Encoder for PVS1000
PVMPG02	2 ch SD MPEG Decoder for PVS1000
PVSDI22	2 input/2 output SD SDI Video I/O channels
PVSDI04	4 output SD SDI Video I/O channels
PVAUD16	16 channel (8 AES pairs) digital audio for PVS1000/PVS2000
PVFIBCH	Fibre Channel Network Card for PVS1000/PVS2000
PV100BT	100BaseT Network card for PVS1000/PVS2000
NETCEN	Remote Error Monitoring for PVS1000/PVS2000
INSYNC	Automatic Mirroring Software
PVSPS	Spare power supply for PVS1000/PVS2000
PVSRAID	RAID controller and NT disk for PVS1000/PVS2000

Accessories

PVSFP15	2 RU Rack Mount 15 inch Flat Panel VGA Display and Keyboard
PAC216	16 External Analog Audio Channels
XLR216	16 ch XLR Breakout Panel
BNC216	16 ch BNC Breakout Panel

ANALOG COMPOSITE AND ANALOG COMPONENT VIDEO I/O FOR PVS1000

This external conversion equipment will convert video signals to/from Serial Digital for use with the PVS1000.

Storage

8900TFN	10 Slot, 2 RU frame with Ethernet port
8960DEC	Analog Composite NTSC/PAL to 601 SDI Adaptive Decoder
8960ENC	601 SDI to Analog Composite NTSC/PAL Encoder
8950DAC	Analog Component to 601 SDI, D-A converter
8950ADC	601 SDI to Analog Component Encoder, A-D converter

PROFILE XP – PVS2000 HIGH DEFINITION MPEG

Base Systems

	OPTION	
PVS2012		1 input, 2 output Video channels with 1 HD MPEG Encoder & 2 HD MPEG Decoders
	EB	Add Embedded Audio Capability
PVS2022		2 input, 2 output Video channels with 2 HD MPEG Encoder & 2 HD MPEG Decoders
	EB	Add Embedded Audio Capability
PVS2013		1 input, 3 output Video channels with 1 HD MPEG Encoder & 3 HD MPEG Decoders
	EB	Add Embedded Audio Capability
PVS2004		4 output Video channels with 4 HD MPEG Decoders (requires opt 1F or 1L)
	EB	Add Embedded Audio Capability
STANDARD (on all systems)		16 channels AES/EBU Digital Audio (8 AES pairs), 16 GPI/Os, 8 RS-422 Ports, 100 BaseT Ethernet, 450 MHz Pentium, 128 MB, 9 GB system HD,1.44MB Floppy, CDROM, keyboard & mouse, Module Level Diagnostics with local monitoring connection (note 1)

Options

	OPTION	
PVS	15	Add 16 channels (8 AES pairs) of digital audio for a total of 32 channels (16 AES pairs)
PVS	1F	Add Fibre Channel Networking Port
PVS	1L	Add Ethernet networking port
PVS	RD	Add redundant power supplies & NT system disk
PVS	ER	Add SNMP Remote System monitoring

Field Kits and Spares

PVHSDI	1.5Gb/s HD Serial Digital Video I/O card for PVS2000 (note 2)
PVHMENC	One ch MPEG HD Encoder for PVS2000
PVHMDEC	Two ch MPEG HD Decoder for PVS2000

FIBRE CHANNEL RAID STORAGE FOR PVS1000 AND PVS2000

The PFC500 can be configured for either 36 GB (PFC536) or 73 GB (PFC573) drives (note 3). The systems come standard with 5 drives and 5 additional drives can be added (opt 10). Additionally a redundant power supply (opt PS) and/or RAID controller (opt CT) can be added.

The PFC500E expansion system is the same as the PFC500 but without the RAID controller. Up to two PFC500E can be connected to one PFC500.

NOTE: The number of drives required is dependant upon the number of Profile channels and the maximum video bit rate they will run. Refer to the PFC500 data sheet for specifications.

Storage 36 GB

	OPTION	
PFC536		RAID XP Fibre Channel RAID Chassis with five 36 GB drives and RAID controller
PFC536	10	Add five 36 GB drives for a total of 10
PFC	PS	Add redundant power supply
PFC	CT	Add redundant RAID controller
PFC536E		Profile XP Fibre Channel RAID Expansion Chassis with five 36 GB drives
PFC536E	10	Add five 36 GB drives for a total of 10
PFC	PS	Add redundant power supply

Storage 73 GB

	OPTION	
PFC573		Profile XP Fire Channel RAID Chassis with five 73 GB drives and RAID controller
PFC573	10	Add five 73 GB drives for a total of 10
PFC	PS	Add redundant power supply
PFC	CT	Add redundant RAID controller
PFC573E		Profile XP Fibre Channel RAID Expansion Chassis with five 73 GB drives
PFC573E	10	Add five 73 GB drives for a total of 10
PFC	PS	Add redundant power supply

Kits and Spares

PFC36G	Spare 36GB RAID drive & caddy for PFC536/E
PFC36G5	Five Spare 36GB RAID drives & caddys for PFC536/E
PFC73G	Spare 73GB RAID drive & caddy for PFC573/E
PFC73G5	Five 73GB RAID drives & caddys for PFC573/E
PFCPS	Redundant Power Supply for PFC536/E & PFC573/E
PFCCT	Redundant RAID Controller for PFC536/E & PFC573/E

Note 1 = Pentium speed, disk size, and memory size may change. The system comes standard with 100 BaseT Ethernet support on NT. This is used for communications and control – it is not used for moving data files between systems. Order option 1L for Ethernet networking of data files between Profiles.

Note 2 = This card can be used as 1 input and 1 output channel except when using embedded audio in which case it can be used as 1 input OR 1 output channel.

Note 3 = 18 GB drives will be available for a limited time, please contact your Grass Valley Group representative

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