

VXG⁷

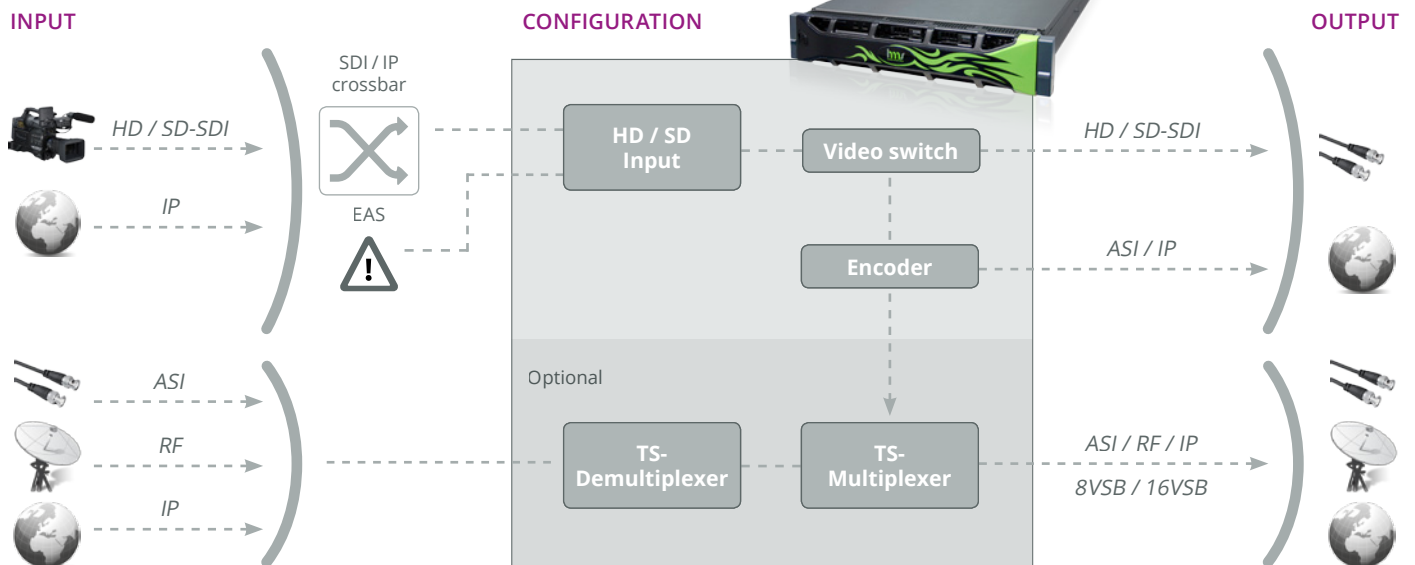
Multichannel real-time Encoder / Multiplexer



Key features

- Integrated real-time H.264 / MPEG-2 encoder
- Stereo audio encoding (MPEG-1 Layer II / AAC / Dolby® Digital)
- DVB / ATSC compliant MPEG-TS multiplexer
- Optional MPEG-TS remultiplexer
- SDI, IP, ASI and RF input / output (see ordering info)
- Internal static SI/PSI (DVB), PSIP (ATSC) generator
- Live pass through of third party broadcast signals with cue tone detection (SCTE35)

Application



INPUT / OUTPUT	
Audio / Video	
SDI	SMPTE 259M
HD-SDI	SMPTE 292M
Transport stream	
ASI	DVB-ASI (optional)
Ethernet	IP Stream (RTMP, RTSP, TS over UDP/RTP/TCP)
RF	8VSB / 16VSB (optional)
Resolution and frame rates	
SD	576i @ 25 x 720 480i @ 29.97 x 720, 704
HDV	720p @ 50, 59.94 x 1280
HDTV	1080i @ 23.976 24 2.5 29.97 30 50 59.94 60fps x 1920
Input signal synchronization	
External	Black Burst / Tri-SYNC
Output error correction	
FEC	Pro-MPEG

MPEG-ENCODER	
SD video	
MPEG-2	MP @ ML 1 to 15 Mbps 4:2:0
H.264 / AVC	MP @ L3 0.5 to 10 Mbps 4:2:0
HD video	
MPEG-2	MP @ HL 2 to 25 Mbps
H.264 / AVC	HP @ L4 1 to 25 Mbps
Audio	
MPEG-1 Layer II	32 to 384 kbps
AAC-LC	16 to 576 kbps
AAC-HE V1 / V2	16 to 128 kbps
Dolby® Digital	up to 640 kbps (AC-3 2.0)

TS-MULTIPLEXER	
Video format	MPEG-2 / H.264
Audio format	MPEG-1 Layer II / AAC / Dolby® Digital
Standard	DVB / ATSC
SI/PSI insertion	all mandatory DVB tables
PSIP insertion	all mandatory ATSC tables
Private Data	HbbTV (AIT) Table
Teletext	ETSI EN 300 472
EPG	EIT p/f EIT schedule

TS-REMULPLEXER (OPTIONAL)	
Input sources	DVB ASI / IP / RF
Ancillary data	automatic PSI and DVB-SI extraction, regeneration and insertion
Table processing	adaptation of PIDs, services, tables and descriptors

PHYSICAL DIMENSIONS	
H x W x D	3.40 x 17.35 x 31.21 in (2 RU) (86.3 x 440.6 x 792.7 mm)
Weight	approx. 55 lb (25 kg)

POWER	
Voltage	100 V to 240 V, 12.00 A to 6.00 A, 50 Hz to 60Hz
Wattage	1023 W on 100 VAC to 120 VAC, 1100 W on 200 VAC to 240 VAC
Maximum heat dissipation	4774 BTU/hr

ENVIRONMENTAL	
Operating temperature	50 °F to 95 °F (10 °C to 35 °C)
Storage temperature	-40 °F to 149 °F (-40 °C to 65 °C)
Relative humidity	20 % to 80 % (noncondensing)
Quality mark	CE compliant
Safety	EN 60950, EN 62311
EMC	EN 55022, EN 55024, EN 61000, IEC 61000

ORDERING INFORMATION*	
VXG 7	1 x SD / HD-SDI input / output 1 x SD / HD MPEG encoder 1 x DVB / ATSC multiplexer 1 x IP in / out

* Example configuration, other configurations available on request. Unit available with optional TS-Remultiplexer.

