



# GRYPHON PVE-5

## HEVC 4K Contribution Video Encoder / DVB-S2X Modulator



STANDARD FEATURES AND SOFTWARE LICENSABLE OPTIONS		HARDWARE OPTIONS	
<b>ASI Input/Output</b>	<ul style="list-style-type: none"> <li>Up to 4x DVB-ASI on BNC (configurable Input / Output)</li> </ul>	<b>Satellite Modulator</b>	<ul style="list-style-type: none"> <li>1 to 68 MSymbol/s in DVB-S</li> <li>1 to 45 MSymbol/s in DVB-S2</li> <li>1 to 45 MSymbol/s in DVB-S2X</li> </ul>
<b>Ethernet Output</b>	<ul style="list-style-type: none"> <li>Up to 6x 100/1000 Base-T RJ-45 (MPEG TS over IP)</li> <li>SMPTE 2022-1,-2</li> <li>ZIXI</li> <li>ARQ</li> </ul>	GRYPVE-HW-IM-MOD	<ul style="list-style-type: none"> <li>IF   70/140 MHz 0 to 25 dBm</li> <li>L-Band High Stability   950 to 2,050 MHz</li> <li>DVB-S, S2, S2X</li> <li>QPSK, 8PSK, 16QAM, 16APSK, 32APSK, 64APSK, 128APSK</li> <li>DVB-CID ETSI TS 103 129 (2013-05)</li> <li>Rear rack mount support kit</li> </ul>
<b>Video Inputs</b>	<ul style="list-style-type: none"> <li>SD Digital - SDI (SMPTE 259M)</li> <li>HD Digital - HDSDI (SMPTE 292M)</li> </ul>	GRYPVE-HW-RMK	
<b>Video</b>	<ul style="list-style-type: none"> <li>HEVC 4K, MPEG-2/MPEG-4 SD 4:2:0</li> </ul>	<b>STATUS AND CONTROL INTERFACES</b>	
GRYPVE-5-VF-MPEG-2-4:2:2 GRYPVE-5-VF-HD GRYPVE-5-VF-1080P GRYPVE-5-VF-2160P	<ul style="list-style-type: none"> <li>MPEG-2 4:2:2</li> <li>HD (720P &amp; 1080i)</li> <li>High Definition (1080P50/60)</li> <li>4K (2160P50/60)</li> </ul>	<ul style="list-style-type: none"> <li>Integrated web browser</li> <li>Front panel with full control</li> </ul>	
<b>Video Compression</b> 100 kb/s to 40 Mb/s		<b>POWER REQUIREMENTS</b>	
GRYPHON-VC-MAIN GRYPHON-VC-MAIN10 GRYPHON-VC-MAIN422_10	<ul style="list-style-type: none"> <li>HEVC Main Profile (8-bit, 420)</li> <li>HEVC Main10 Profile (8/10 bit, 420)</li> <li>HEVC Main422_10 Profile (8/10-bit, 400/420/422)</li> </ul>	<b>Input Rating</b>	100 to 127 VAC, 6.3 A 200 to 240 VAC, 3.2 A 50 to 60 Hz (Rating for each AC PSU)
<b>VBI Support</b>	<ul style="list-style-type: none"> <li>Embedded Closed Captioning EIA608 and 708</li> </ul>	<b>PHYSICAL PARAMETERS</b>	
<b>Audio Inputs</b>	<ul style="list-style-type: none"> <li>Embedded: SMPTE 272M</li> </ul>	<b>Chassis</b>	1 RU rackmount ears included
<b>Audio Compression</b>	<ul style="list-style-type: none"> <li>MPEG-1 Layer II (32-384 kb/s)</li> <li>AC3 5.1 Pass Through (32-640 kb/s)</li> <li>SMPTE 302M Pass Through</li> </ul>	<b>Dimensions (H, W, D)</b>	4.5 cm x 48 cm x 55.9 cm (1.75" x 19" x 22")
GRYPVE-AAC	<ul style="list-style-type: none"> <li>AAC-LC (16-576 kb/s)</li> <li>HE-AAC V1 and V2 (16-128 kb/s)</li> </ul>	<b>Weight (including modulator)</b>	10.9 kg (24 lbs.)
<b>Audio Channels standard</b>	<ul style="list-style-type: none"> <li>Two compressed audio pairs</li> </ul>	<b>ENVIRONMENTAL CONDITIONS</b>	
<b>Additional Audio Channels</b> GRYPVE-SW-AUD-2P	<ul style="list-style-type: none"> <li>Additional compressed audio pairs up to 8 pairs total</li> </ul>	<b>Operating Temperature</b>	0 to 50 C (32 to 122 F)
<b>Transport Stream Re-Multiplexer</b> GRYPVE-SW-MUX	<ul style="list-style-type: none"> <li>ASI input for internal multiplexing (200 kb/s - 80 Mb/s)</li> </ul>	<b>Storage Temperature</b>	-20 to 70 C (-4 to 158 F)
<b>BISS Conditional Access</b> GRYPVE-SW-BISS	<ul style="list-style-type: none"> <li>Basic Interoperable Scrambling System Conditional Access- Modes 0, 1, and E</li> </ul>	<b>Humidity</b>	Up to 90% humidity



Made in the USA

April, 2019. Specifications subject to change without notice