

# MASTER CONTROL ROOM (KW TV)

## BOQ

QTY	MODEL	DESCRIPTION	Unit Price (KD)	Total Price
<b>Magnum &amp; VLPro Upgrade</b>				
1	MAGNUM-ANNUAL-LICENSE	3 Years Annual Renewal license for MAGNUM software as documented within this quotation. This renewal license includes access to minor version software updates (enabling new features, bug fixes and performance enhancements) for purchased MAGNUM modules that become available during the renewal period. It also includes 24/7 phone support from trained customer service representatives. For MAGNUM System with Server ID#: "4829-12f1-a9be-f590-36a9-a048-3c1e-9880-3160-c6c24b27-5464-c33c-271f-5b3c-75d4-4398-90c1-d2a5-b318" MAGNUM System Currently includes the following modules: 1x MAGNUM-ROUTER 1x MAGNUM-MULTIVIEWER 1x MAGNUM-ROUTER-R 1x MAGNUM-MULTIVIEWER-R 1x MAGNUM-ISP 1x MAGNUM-ISP-R		
1	VLPRO-Ser/Sup	3 years VistaLINK™ PRO/PLUS license, service and support per client		
<b>Compliance System Hardware</b>				
Lot		UI Server		
Lot		Recording Server		
Lot		Capture video Cards		
<b>Software</b>				
12	Alert Center	Recording and monitoring: View media in Live or archived, navigation, storyboard, clips creation, transcoding to any format, and exportConfiguration		
12		Automatic import and/or automatic EPG extraction and display of Electronic Program Guide/AsRun Log file, searchable, play a program directly. It includes one time integration.		
12		Continuous video/audio quality checks. Real time alerts: loss of audio or video signal, frozen image, blue screen, low audio, missing SCTE/ CC/teletext /loudness, etc. Sending notification via eMail, SMS, SNMP, on screen. Integrated into (Multiviewer).		
5	Concurrent Users	License for Web based clients (LAN/WAN). Including Active Directory support. Number of concurrent users.		

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<b>Glues</b>				
1	7867VIPM16-DUO-3G+3RU	Advanced monitoring, up to 16 Inputs 3G/HD/SD auto-sensing, 2 DVI/HD-SDI multi-viewer Outputs with resolution support up to 1920x1200		
2	EQX-PS	Additional Power Supply Module		
4	EQX-XPTG-288X288-FAN	Spare fan		
1	5601MSC	Master SPG (Master Clock System Includes 6 Bi-Level/Tri-Level Sync Outputs, 5/10 mhz Output, 48 Khz Word Clock Output, 2 LTC Outputs, Loop Thru Genlock, 5/10 mhz Input, LTC Input and 1 Power Supply.		
1	5601ACO2	2RU Automatic Change Over System.		
2	7812UC-3G+3RU	3G/HDTV Up-converter		
2	7812HDC-3G+3RU	3G/HDTV Down-Converter		
1	7821AE8-B-3G + 3RU	3G/HD/SD-SDI balanced audio embedder		
1	7821AD8-B-3G + 3RU	3G/HD/SD-SDI balanced audio de-embedder		
2	7707VAT13-3G+3RU+SC	3G/HD/SD with 4 AES audio fiber transmitters, 1310nm FP laser, VistaLINK.		
2	7707VAR-3G+3RU+SC	3G/HD/SD with 4 AES audio fiber receivers, VistaLINK monitoring.		
4	EMX6-PS	Additional Power Supply for EMX6-FR		
10	7800-PS	Additional Power Supply for 7800FR		
5	500-PS	Additional Power supply for 500FR		
1	XRF6-PS	Additional XRF6 power supply		
1	X-NCP2	Router Control Panel		
1	CP-2048E	Intelligent Control Panel, 48 BPS style - 2RU unit, with three rows of 16 buttons featuring LCD in key cap for instant updating of source or ident labels. Can be completely configured for any use, XY, BPS Multi-mode, Breakaways, panel supports QLINK for connection to Legacy routers and Ethernet for connection to MAGNUM-Router		
1	CP-6400E	Remote display panel, XY, keypad, panel supports QLINK for connection to Legacy routers and Ethernet for connection to MAGNUM-Router		
2	KP-5032 A5F	32 Position Key Panel with multidirectional lever keys for talk/listen and level control. Menus and programming keypad, extended DSP Functions, 2 full HD colour displays, 2 channel OMNEO via RJ45 and fiber connection and standard analogue RTS matrix connection. Additional rear end Audio connections incl. GPIOs. Headset connector A5F. Optional fiber SFP modules and headset plug-in inlay A4F, A4M and A5M available. 2 RU 19". Support EKP-4016 and LCP-16CLD. Support for RVON. PSU mounting bracket included. Uses OPTIONAL MCP-90X microphones.		

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2	<b>RX8200 Config1</b>	Integrated Receiver Decoder <ul style="list-style-type: none"> <li>• MPEG-2 SD and HD, MPEG-4 AVC SD and HD 4:2:0 decoding</li> <li>• 1x ASI input transport stream input</li> <li>• Frame Sync input</li> <li>• BISS, BISS 2, Common Interface &amp; MediaKind Director descrambling</li> <li>• MediaKind RAS descrambling</li> <li>• SD &amp; HD Video output interfaces</li> <li>• Single service filtering</li> <li>• 2x Stereo pairs of physical audio connections</li> <li>• Dolby Digital® decoding and pass-through</li> <li>• Alarm relay and SCTE 35 controlled contact closures for ad-insertion signaling</li> <li>• 4x L-band inputs</li> <li>• DVB-S QPSK demodulation included</li> <li>• DVB-S2 QPSK, 8PSK demodulation included</li> <li>• DVB-S and DVB-S2 low symbol rate capability included</li> <li>• Multiple (x3) PL scrambling/Gold Code search</li> </ul>		
2	<b>DVB-S2X Satellite Input</b>	<ul style="list-style-type: none"> <li>• 4x L-band inputs</li> <li>• DVB-S QPSK demodulation</li> <li>• DVB-S2 QPSK, 8PSK</li> <li>• DVB-S2X QPSK, 8PSK</li> <li>• Low symbol rate capability</li> <li>• Rolloffs down to 5%</li> <li>• Multiple (x3) PL scrambling/Gold Code search</li> <li>• DVB-S2/S2X 16APSK, 32APSK demodulation with additional Value Pack Higher Order Modulation Value Packs.</li> <li>- Adds DVB-S2 16APSK and 32APSK capability to DVB-S2X satellite input option</li> <li>- Adds DVB-S2X 16APSK and 32APSK capability to DVB-S2X satellite input option</li> </ul>		
2	<b>DHC</b>	HEVC 1080p, MPEG-2/MPEG-4 4:2:2 Decoding Hardware Card - MPEG-4 AVC and MPEG-2 SD & HD 4:2:2 Contribution Decoding Software License: <ul style="list-style-type: none"> <li>• Enables MPEG-4 AVC SD &amp; HD 4:2:2 decoding</li> <li>• Enables MPEG-2 SD &amp; HD 4:2:2 decoding</li> </ul>		
2	<b>DFCH</b>	Dormant format conversion hardware, with below software license <ul style="list-style-type: none"> <li>• Grade 1 quality Down-conversion of HD to SD</li> <li>• Capability to Down-convert 1080p 50/60 to 1080i, 720p or SD</li> <li>• Provides broadcast quality simultaneous down-conversion allowing one HD transmission to address both HD and SD distribution needs Up-conversion of SD to HD resolution (4:2:0 modes only)</li> <li>• Non-simultaneous up-conversion to 720p or 1080i resolution</li> <li>• Cross-conversion of HD video from 720p to 1080i or from 1080i to 720p (4:2:0 modes only)</li> </ul>		

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<b>Glues</b>				
<b>2</b>	<b>AMU1-CHD+</b>	1 Series Audio monitoring unit, 1RU, 2 x HD/SDI, 2 x stereo analogue, 4 x AES inputs, dual 26 segment triple - Colour Bargraphs, high quality internal stereo loudspeakers, external PSU.		
<b>2</b>	<b>Laptop</b>	Laptop as per the specs Sheet		
<b>1</b>	<b>Monitor</b>	Monitor as per the specs sheet		
<b>Lot</b>	<b>Installation</b>	installation of the system, GUI and testing		
<b>10</b>	<b>Training</b>	Training		
<b>TOTAL PRICE</b>				

DONE BY:  
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