



**Detailed Configuration – Virtual On Air (VOA)**

Sr. No.	Part No.	Description
1	FB001RGB0000	<p><b>VOA 200 PRO</b></p> <p>This is a complete Trackless Virtual Set Solution with 2 Camera Input, Switcher, Chroma-key, Audio Mixer, Character Generator, Logo / Clip Art Insert, Text scroll, Digital Recorder and Non-Linear Editor.</p> <p>Technical Specifications:</p> <p>System Configuration:</p> <ul style="list-style-type: none"> <li>• Intel Xeon Quad Core Processor</li> <li>• Super Micro Mother Board system</li> <li>• 2 GB ECC Registered RAM</li> <li>• 160 GB SATA System Hard Drive</li> <li>• 250 GB SATA Media Hard Drive</li> <li>• DVD ROM</li> <li>• 4Ru Rack Mount Chassis with Redundant Power Supply</li> <li>• Monarch VOA I/O Card</li> <li>• Graphic card (with Advance Rendering) Monarch MH X-800 with 256 MB RAM for Real Time 3D rendering</li> <li>• 3Ru Rack Mount Breakout Box for audio and video input/output</li> </ul> <p><b><u>Inputs</u></b></p> <p><b>Video:</b></p> <ul style="list-style-type: none"> <li>- 2 Analogue Composite/S-Video/Component YUV/ SDI inputs (2 camera inputs)</li> <li>Analogue Composite (CVBS -1.0 Vp-p 75 ohm – BNC)</li> <li>Analogue S-Video (Y/C 4 pin Mini DIN)</li> <li>Analogue Component YUV / YPbPr – (BNC)</li> <li>SD SDI - SMPTE 259M Serial Digital – (BNC)</li> </ul> <p><b>Audio:</b></p> <ul style="list-style-type: none"> <li>- 2 Analogue Unbalanced Stereo audio line input – RCA or</li> <li>- 2 Analogue Balanced Stereo audio line input – XLR</li> </ul> <p><b><u>Outputs</u></b></p> <p><b>Video:</b></p> <ul style="list-style-type: none"> <li>- 2 Analogue Composite (CVBS -1.0 Vp-p 75 ohm – RCA)</li> <li>- 1 Analogue S-video (Y/C 4 pin Mini DIN)</li> <li>- 1 Analogue Component YUV / YPbPr – (BNC)</li> <li>- 2 SD SDI - SMPTE 259M Serial Digital – (BNC)</li> <li>- 1 DV I/O (IEEE 1394 Fire Wire)</li> </ul> <p><b>Audio:</b></p> <ul style="list-style-type: none"> <li>- 1 Analogue Unbalanced Stereo audio line output – RCA or</li> <li>- 1 Analogue Balanced Stereo audio line output – XLR</li> </ul> <p>Software Licenses:</p> <ul style="list-style-type: none"> <li>• Monarch Virtual On Air v2.6</li> <li>• Royalty-free 25 Stunning Virtual Sets</li> <li>• Monarch ImageArt Basic v1.0</li> <li>• Adobe Premiere Pro 2.0 or latest</li> <li>• Windows XP – Professional License</li> <li>• Recovery DVD</li> </ul>



<b>2</b>	<b>FB002RGB0000</b>	<p><b>VOA 200 POWER</b></p> <p>This is a special Power configuration which consists of the following modules:</p> <ul style="list-style-type: none"> <li>• Basic VOA (BP-2201)</li> <li>• Hot Swap Module (BP-2001)</li> <li>• Motion Designer Module (BS-2002)</li> <li>• Shadow-Reflection Enabler Module (BS-2003)</li> <li>• Shadow-Reflection Designer Software (BS-2004)</li> <li>• ImageArt Client-Server Software (BS-2005)</li> <li>• Media Automation Module (BS-1001)</li> <li>• Live Streaming Module (BS-1002)</li> </ul>
<b>3</b>	<b>FB003RGB0000</b>	<p><b>Hot Swap Module</b></p> <p>This is the Hot swap module with RAID-I (for Media HDD). For achieving complete redundancy, additional HDDs will need to be purchased separately.</p>
<b>4</b>	<b>FB004RGB0000</b>	<p><b>Motion Designer Module</b></p> <p>This is the module where the sets created in the 3D software will be brought into the VOA, for setting Camera Motions. This module is a software only and allows Camera Motions to be created, defined and modified in existing as well as new sets.</p> <p>This software will be installed on the main VOA (BP-2201) system.</p>
<b>5</b>	<b>FB005RGB0000</b>	<p><b>Shadow-Reflection Enabler Module</b></p> <p>This module is a software only and enables Shadows and Reflections in VOA. It is required to be installed if any Shadow/Reflection information is to be viewed.</p> <p>Only if the sets have the Shadow/Reflection already built into them, these can be visible when this module is installed. If this is not installed, then, even if the sets have Shadow/Reflection information, this information will not be view-able.</p> <p>This module has the additional capability to move shadow positions and vary the opacity.</p> <p>This software will be installed on the main VOA (BP-2201) system.</p>
<b>6</b>	<b>FB006RGB0000</b>	<p><b>Shadow-Reflection Designer Software</b></p> <p>This Software creates and manipulates the Shadows and Reflections. When new sets are built and the user needs to create Shadow/Reflection information, this software is required. This will also create and modify Shadow/Reflection data in existing sets.</p> <p>However, it is mandatory to install any version of Motion Designer first. Hence, this software can be installed on to :</p> <p>a) The VOA where Motion Designer Module is installed, or  b) A workstation which has Motion Designer Standalone Pack</p>

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<b>7</b>	<b>FB007RGB0000</b>	<p><b>Image Art Client-Server Software</b></p> <p>This will enable Image Art software to run on a separate computer system, capable of updating the main VOA system, via LAN.</p> <p>Package includes a USB dongle.</p> <p>(Customer to arrange for a separate Computer Workstation, as per MCPL's specifications)</p>
<b>8</b>	<b>FB008RGB0000</b>	<p><b>Media Automation Module</b></p> <p>This module is a software only and automates Video and Audio Switching and Playback for the VOA system. It has the following features:</p> <ol style="list-style-type: none"> <li>1. Media1 to Media2 swapping (Cut only, Auto Swap)</li> <li>2. Smart Fade in Audio Mixer</li> <li>3. Audio Follow Video in Media resources window</li> </ol> <p>This software will be installed on the main VOA (BP-2201) system.</p>
<b>9</b>	<b>FB009RGB0000</b>	<p><b>Live Streaming Module</b></p> <p>This module allows simultaneous live streaming of Final Program Output.</p>
<b>10</b>	<b>FB010RGB0000</b>	<p><b>Standalone Motion Designer Pack</b></p> <p>This has the same functionalities as the Motion Designer Module (BS-2002), but will be installed on a separate system. This pack consists of hardware and software. It facilitates the creation of camera motions for existing/new sets on a separate system.</p> <p>Multiple seats can be purchased for installations which have a large requirement of making new sets, and also for the installations where the main VOA is not free for doing any camera motion creation/modification.</p> <p>This will run as standalone application on a standard PC. It includes :</p> <ul style="list-style-type: none"> <li>• Graphic card (with Advance Rendering) Monarch MH X-800 with 256 MB RAM for Real Time 3D rendering</li> <li>• Video Output card with Two Composite Output</li> <li>• USB Dongle</li> </ul> <p>(Customer to arrange for a separate Computer Workstation, as per MCPL's specifications)</p>
		<p>Optional: Following hardware items are available optionally. Please specify your requirements and prices will be quoted accordingly.</p> <ul style="list-style-type: none"> <li>- Keyboard, Mouse &amp; LCD Monitor (Please specify monitor size)</li> <li>- Additional SATA HDD (Please specify capacity)</li> <li>- Additional ECC Registered RAM (Please specify capacity)</li> </ul>

**Valid for January – March 2008, Subject to change without notice.**