UNICOM specializes in delivering advanced collaboration technology solutions and services. Unicom’s new four channel graphics ImageDP4 output card is engineered to handle large video walls and the most demanding command and control environments.

**HIGH PERFORMANCE CARD**

The ImageDP4 combines a single, powerful graphics processor with improved memory and PCI Express bandwidths to provide responsive performance at up to double the resolution of previous UNICOM graphics cards. Up to sixteen ImageDP4 cards can be supported by the UNICOM display driver, providing flexible system configurations up to 64 fully frame-locked screens.

The ImageDP4 cards can spread a Windows® desktop across a multi-screen surface, allowing flexible configurations of both portrait and landscape screen orientations.

ImageDP4 is optimised for use with the UNICOM Vision range of capture cards for systems requiring SD, HD, RGB, DVI and 3G-SDI video overlays. Video windows can be positioned and sized anywhere on the multi-screen desktop, while maintaining full frame rate, true colour rendering throughout.

Combining the Vision video capture with ImageDP4 graphics display allows the construction of high-end display wall systems of up to 64 screens.

**FEATURES**

- Leading edge 600MHz graphics processor with 512MB GDDR5 at 800MHz.
- PCI express 2.1 bus interface electronically supporting x4, x8 and x16 lane widths
- HDCP supported and Passive Cooling
- DVI support using a catalogue of DisplayPort cables and adaptors
- Support up to 16 cards each providing 4 x DisplayPort 1.1a video ports providing up to 359Mpixels/s at 24bit (eg 2560x1600 @60Hz)
SOFTWARE

Drivers

The function of the display driver is to present one large desktop to the Windows operating system. The multi-screen driver will support up to a maximum of 64 screens.

Wall Control
UNICOM uControl software enables you to simply launch and position video and application windows to create complex wall layout configurations.

uControl presents a representational window of the entire display wall showing position and size of windows, including a live sample of all video content. With the full version it is possible to save layouts and recall them for future use and also operate Wall Control on a remote PC via a network connection.

MODELS

Order Code: ImageDP4
4 channel Display Port PCI graphics card

Order Code: ImageDP4/ DVI
4 channel Display Port PCI graphics card
with 4 x DVI adapters

Order Code: ImageDP4/ HDMI
4 channel Display Port PCI graphics with 4 x HDMI adapters

ACCESSORIES

Order Code: DP adapt
Display Port to DVI adapter and powered cable.
Cable available in 10, 15, 20 metres.

Order Code: DPextend
Display Port signal extender and powered cable.
Cable available in 10, 15, 20 metres.

All products are shipped with the latest software available, unless stated otherwise. Special requirements may be arranged by contacting our UNICOM UCC Sales team:
uccsales@unicomgov.com | 336.605.6222

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Card format</td>
<td>16 lane PCI Express</td>
</tr>
<tr>
<td>Card size</td>
<td>110mm x 177mm (incl heat sync)</td>
</tr>
<tr>
<td>Max output resolution</td>
<td>4 x 2560 x 1600 @ 60Hz (max 359Mpixels/s)</td>
</tr>
<tr>
<td>Max cards per system</td>
<td>16 (64 display channels)</td>
</tr>
<tr>
<td>Graphic card memory</td>
<td>512MB total</td>
</tr>
<tr>
<td>Max current at +3.3V</td>
<td>0.25A (+ 1.8A when powering four channels of DPextend + DPadapt)</td>
</tr>
<tr>
<td>Max current at +12V</td>
<td>1.2A</td>
</tr>
<tr>
<td>Max Thermal Power</td>
<td>15 watts</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0 to 35 deg C / 32 to 96 deg F</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20 to 70 deg C / -4 to 158 deg F</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>5% to 90% non-condensing</td>
</tr>
<tr>
<td>MTBF</td>
<td>Over 180,000 hours</td>
</tr>
</tbody>
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About UNICOM Government
UNICOM Government is the first information technology solutions provider offering a Technology Lifecycle Management (TLM) approach to IT infrastructure solutions delivered through industry-leading professional and financial services. UNICOM Government employs a proactive, strategic methodology that streamlines technology lifecycle management, from initial assessment to acquisition, implementation, refresh, and disposal. TLM allows government agencies to implement solutions of national and local significance quickly and cost-effectively. UNICOM Government’s certified engineers and project managers leverage strategic partnerships with technology innovators. These experts use proven, repeatable processes to design, deploy, manage, and support simple to complex solutions, to meet governments’ current and future requirements and business objectives. UNICOM Government is headquartered in Northern Virginia, outside of Washington, D.C.

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