



# DMON-16S

1 to 16 Channel Multi-Viewer with SDI and HDMI Outputs for 3G/HD/SD and Custom Layouts, UMDs, Audio Meters, Graticules and Tallies

## PRODUCT FEATURES

- Low cost miniature (3G/HD/SD)-SDI 1 to 16 Multi-Viewer or 16 to 1 input multiplexer
- Custom Layouts with various standard layouts
- 16 Character UMD overlay per window with individual enables, custom positioning and size
- 8 Channel Audio Metering overlay per window with individual enables, custom positioning and size
- Safe Action and Safe Title overlay per window with individual enables and adjustment
- Centre Cross overlay per window with individual enable
- Audio ID overlay
- Tallies can be applied to either Tally Boxes (Default), Outside Safe Action Area or Border
- Tally boxes allows for up to 4 Tallies per window
- Fast switching between inputs using Full-Screen scaling
- Selectable output format in both Full-Screen and Multi-Viewer mode
- Low latency buffering for each input allowing non-synchronous inputs
- Linked (3G/HD/SD)-SDI and HDMI outputs
- 16 x (3G/HD/SD)-SDI inputs with auto detection (26 Formats supported in total)
- Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously
- Variable aspect ratios per window
- In Pass-Through mode the selected input is passed through to both the (3G/HD/SD)-SDI and HDMI outputs
- The DMON-16S is a truly portable converter, that incorporates our new easy to use LCD and button control system. This gives you easy access to most of the amazing features without using complicated LED/button control, dip switches or having to carry around a computer to change a simple setting.
- This unit also includes:
  - 32 GPI on 37-pin D-SUB for Tallies and Remote Switching
  - RS422/485 on 37-pin D-SUB for Dynamic UMD and Tallies using TSL protocol
  - USB port for control and firmware updates
  - Robust Aluminium box
  - Metal Thread Locking DC Power Socket
  - Power Supply, HDMI Cable and USB Cable



## SPECIFICATIONS

<b>SDI INPUT &amp; OUTPUT FORMATS</b>	3G: SMPTE 424M@2.97 and 2.967Gb/s <ul style="list-style-type: none"> <li>• 1080p@60/59.94/50Hz</li> </ul> HD: SMPTE 292M/274M/296M@1.485 and 1.435Gb/s <ul style="list-style-type: none"> <li>• 1080i@60/59.94/50Hz</li> <li>• 1080p/psf@30/29.97/25/24/23.98Hz</li> <li>• 720p@60/59.94/50/30/29.97/25/24/23.98Hz</li> </ul> SD: SMPTE 259M@270Mb/s <ul style="list-style-type: none"> <li>• 625i50</li> <li>• 525i59.94</li> </ul>	<b>LCD / BUTTON MENU OPTIONS</b>	<ul style="list-style-type: none"> <li>• HDMI output type</li> <li>• Output Select</li> <li>• Multi-Viewer Output Format</li> <li>• Multi-Viewer Number of Windows</li> <li>• Multi-Viewer Layout</li> <li>• Multi-Viewer Audio Source</li> <li>• Multi-Viewer Reference</li> <li>• Full Screen is Scaled</li> <li>• Input Routing</li> <li>• GPI mode</li> <li>• Setup</li> </ul>
<b>HDMI OUTPUT FORMATS</b>	<ul style="list-style-type: none"> <li>• 1080p@60/59.94/50Hz</li> <li>• 1080i@60/59.94/50Hz</li> <li>• 1080p@30/29.97/25/24/23.98Hz</li> <li>• 720p@60/59.94/50/30/29.97/25</li> <li>• 625i50</li> <li>• 525i59.94</li> </ul>	<b>INPUTS</b>	<ul style="list-style-type: none"> <li>• 16 x (3G/HD/SD)-SDI</li> <li>• Input Equalization &gt; 100M using Belden 1694A</li> <li>• USB for control and updates</li> </ul>
<b>POWER</b>	<ul style="list-style-type: none"> <li>• +5V to +32V DC</li> <li>• Positive Centre Pin</li> </ul>	<b>OUTPUTS</b>	<ul style="list-style-type: none"> <li>• HDMI Type A</li> <li>• 1 x SDI (3G/HD/SD)-SDI</li> </ul>
<b>DIMENSIONS</b>	220mm x 103.7mm x 29.5mm (8.7" x 4.1" x 1.2")		

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