

### 3G/HD/SD Quad Split Multiviewer

- 4 x SDI inputs and 1 x HDMI output
- Support for 3G/HD/SD -SDI formats (auto-detect)
- Full Screen, Quad Split and 4K (12G) monitoring modes
- Integrated local control and on screen menus
- Multiple on screen monitoring tools for each input:
  - > Waveform Monitor
  - > Vectorscope
  - > Auto Level Meters (upto 16 Channels)
  - > IMD (text ID)
  - > Safe Area /4:3 Extraction / Center Cross markers
  - > Video Standard
  - > Time Code
  - > Audio and Video Alarms
- Input present LEDs for each SDI input
- 4K (12G) monitoring mode (down converted HD HDMI output)
- yelloGUI compatible for PC/MAC control

The PMV 1841 is a compact quad split multiviewer ideal for applications needing basic quad split multiview capability into an HDMI monitor. Four SDI inputs are supported with a single HDMI output. The module has three basic modes of operation:

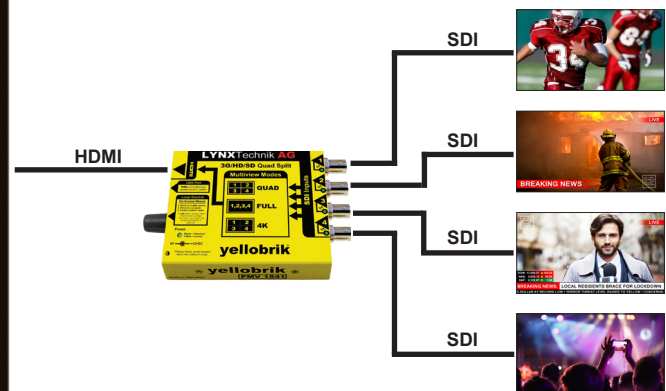
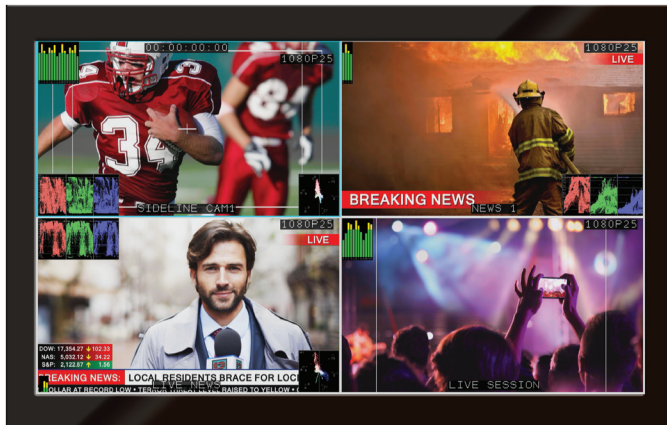
- 1. Quad Split** - All four inputs are arranged into a fixed quad display. Each input can have the monitoring tools (or on screen overlays) individually configured.
- 2. Full Screen** - One of the four inputs is displayed full screen with the user configured monitoring tools. In this mode 2 channels embedded audio from the selected SDI input is embedded into the HDMI output.
- 3. 4K Monitoring** - The module can be used to monitor 4K (12G) signals. The four SDI inputs are "stitched" together to make a full frame for monitoring. The 4K image is down converted to HD for display (4K monitor not required). Note: There are no on screen monitoring tools available in 4K mode

The module is simple to setup and configure using the integrated local control and on screen menu system. All settings are automatically stored in flash RAM. USB is port is provided for firmware updates and also PC/MAC control using the yelloGUI application.



### Technical Specifications

<b>SDI Inputs</b>	4 x SDI inputs on 75Ω BNC connectors (LED for signal present)
	<ul style="list-style-type: none"> <li>SMPTE ST 259M (SDTV)</li> <li>SMPTE ST 292-1 (HDTV 1.5 Gb/s)</li> <li>SMPTE 424 M (3Gb/s) supporting ST 425-1 Level A</li> </ul>
	Return loss: > 15dB to 1.5GHz and > 10dB to 3GHz
	Cable EQ: 340m@270Mbits / 150m@1.5Gbits / 120m@3Gbits
<b>HDMI Output</b>	1 x HDMI output (Type A Connector)
	HDMI standard: 1.4a
	2 channels of embedded audio is passed for "full screen" selected input
<b>Local Control</b>	On screen menu system accessed using rotary push encoder
<b>USB</b>	Mini "Type B" USB port for firmware updates and yelloGUI control
<b>Power</b>	+12VDC @ 4.9W nominal - (supports 10 - 14VDC input range)
<b>Physical</b>	Size: 138mm x 90mm x 22mm (5.13" x 3.54" x 0.86") - including connectors Weight: 230g (8.11oz)
<b>Ambient</b>	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
<b>Model #</b>	PMV 1842 - (EAN# 4250479323506)
<b>Includes</b>	Module, AC power supply, HDMI + USB cable, transport case



### On Screen Monitoring Tools

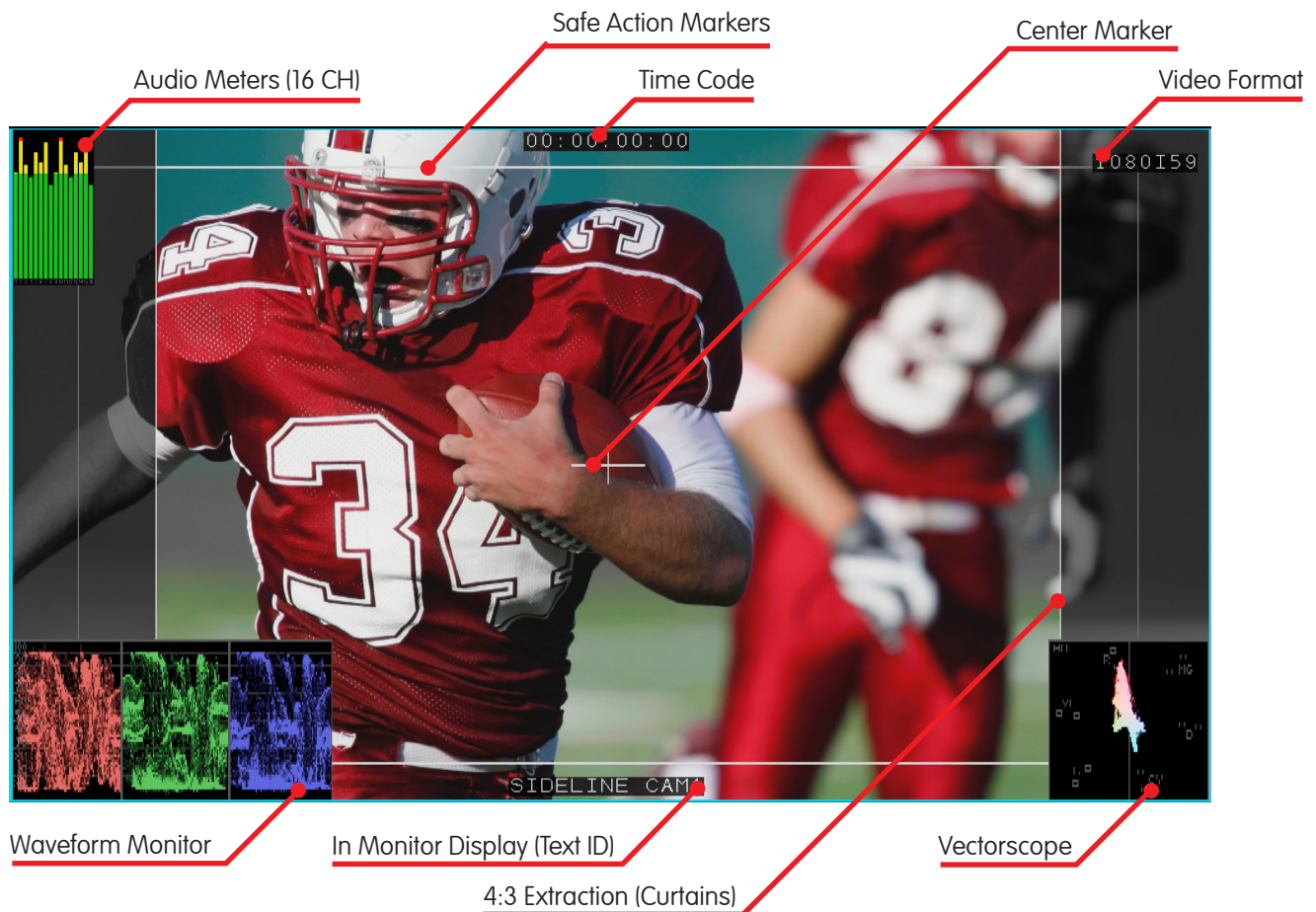
The extensive on screen monitoring tools are what really sets the PMV 1841 apart from the rest. Despite the very compact size and low price we have included many high end monitoring tools typically only found in larger multiviewer systems. These include:

- Waveform Monitor
- Vectorscope
- Auto Level Meters (upto 16 Channels)
- IMD - In Monitor Display (text ID)
- Safe Area Markers
- 4:3 Extraction Markers
- Center Cross Marker
- Time Code
- Audio and Video Alarms

Each of the four inputs can be individually configured to meet specific monitoring requirements for the application, and all of the on screen tools are easily controlled using the integrated menu system and rotary push encoder.

The on screen menu system is intuitive and simple to use and all settings are automatically stored in flash RAM.

The module is also fully compatible with the yelloGUI software and the module can also be fully controlled and configured via the USB port using a PC or MAC.



**Note.** The above screen capture is from a full screen image and shows all of the possible screen overlays. Some can be configured in terms of size and screen position. The video and audio alarms are not shown, and will appear as text on the screen when an alarm condition is triggered.  
 [ Video alarms will trigger on "Black" and "No Signal" (video missing). Audio Alarms will trigger on "Silence" and "No Signal" Audio Missing ]

Specifications subject to change