



- |   |                                  |                                  |                         |
|---|----------------------------------|----------------------------------|-------------------------|
| <b>DVI / VGA</b><br>Standard Input              | <b>SOFTWARE</b><br>OIC Commander | <b>REDUNDANT</b><br>Power Supply | <b>3G-SDI</b><br>Option |
| <b>STANDARD DVI / HDMI</b><br>Selectable Output | <b>CAT6 Cable</b>                | <b>2048 x 1080</b><br>Resolution | <b>2RU</b><br>Rack Unit |

# OIC-M1604 16 INPUTS MULTIVIEWER SYSTEM W/ OIC COMMANDER SOFTWARE

The OIC-M1604 is ORION Images's first high definition multi-window monitoring system featuring 16 universal inputs/windows, with user selectable resolutions up to 2048 x 1080 (including 1920 x 1080p) and infinitely adjustable the screen layouts. This 2 RU, rackmountable video scaler/processor allows for maximum flexibility in screen layout and for viewing multi-window content of video and graphics at the same time over a single or multiple displays.

The OIC-M1604 supports inputs for all HD video sources including, DVI, HDMI (opt.), VGA, YPbPr (opt.), SD / HD / 3G-SDI (opt.). The OIC-M1604 unit can be controlled several ways; through the front panel buttons for up to 30 assignable preset viewing layouts, or via standard RS-232C protocol, or through a control module with GPI inputs assigned to preset buttons, or via the OIC Commander software, a PC configuration and control application.

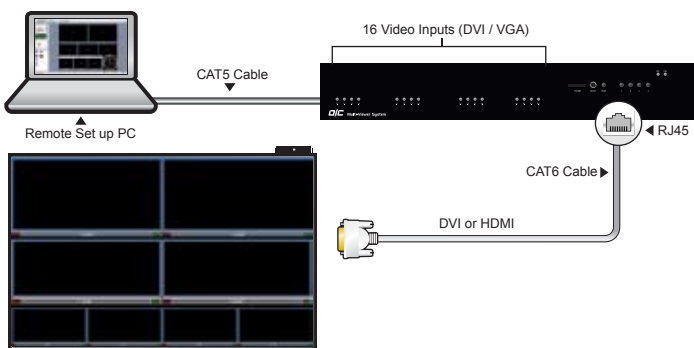
## SPECIAL FEATURES

- » Universal Inputs and auto-detect (Standard – DVI and RGB, Option – HDMI, YPbPr and SD / HD / 3G-SDI)
- » Up to 4ch
- » Output resolution up to 2048 x 1080 including 1920 x 1080p through DVI or HDMI (Option – YPbPr, VGA or SD / HD / 3G-SDI)
- » OIC Commander application allows on-screen graphical elements to be designed with any graphics tool
- » Front panel headphone jack with volume adjustment for audio monitoring
- » Optional HDMI and SD / HD / 3G-SDI models with embedded audio
- » Built-in CATx extender – extend 1080p up to 115 feet with optional cable
- » Front panel buttons for quick preset recalls (30 presets)
- » Compact (Height – 2RU) and Rack-Mount Kit provided
- » Optional 8CH inputs model **OIC-M802** available
- » 3 Year Warranty

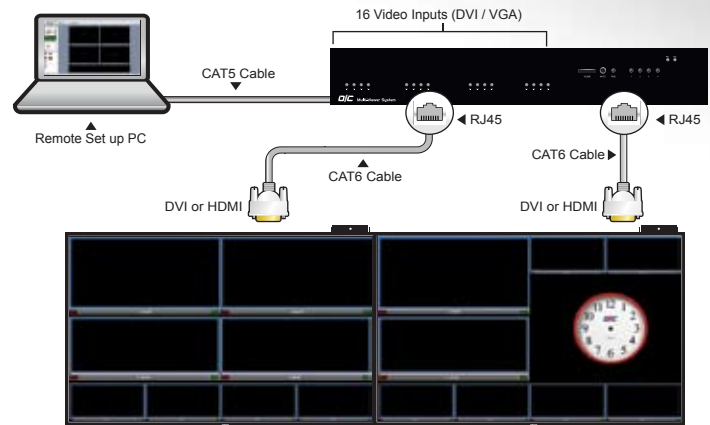
## APPLICATION

ORION Images OIC-M1604 Multiviewer provides the user friendly application tool (OIC Commander) to set up your screen layout need.

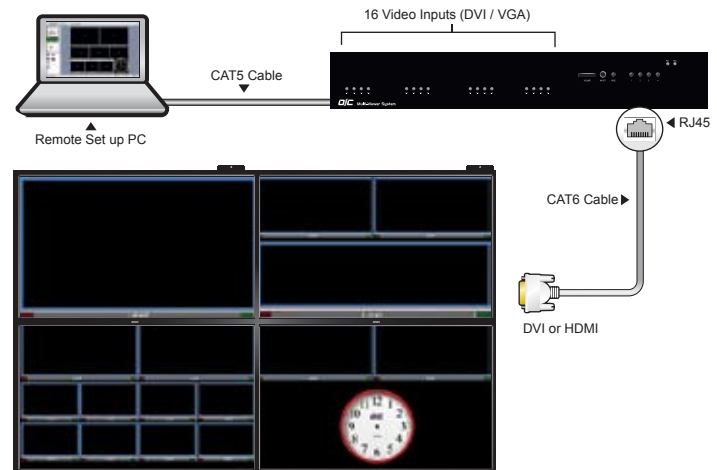
### 1 Single Monitor RNA or RNC



### 2 1 x 2 Monitors RNA / RNC



### 3 Multiple Monitors RNA



## SPECIFICATIONS

OIC-M1604	
Video Inputs	Up to 16 DVI or VGA (Option: HDMI, or YPbPr) Optional SDI Model – SMPTE 259M, 292M, 424M
Input Connectors	DVI-I x 16 (VGA to DVI-I Adaptor provided as standard)
Video Outputs	Up to 4 DVI-I or HDMI (Option: YPbPr, RGB or SDI)
Output Connectors	RJ45 x 4 (RJ45 to DVI-I Adaptor, RJ45 to HDMI Adaptor provided)
Built-in CATx Extender	Up to 35 feet (Option – up to 115 feet)
Output Resolution	800 x 480 to 2048 x 1080 (1080P)
Total Screens	Up to 16
On Screen Display	Borders, Labels, Fonts, Tally LEDs, Clock, Logos, Under Monitor Display (UMD), Over Monitor Display (OMD), In Monitor Display (IMD)
General Purpose IO	40 inputs with DB9 connectors
Serial Port	RS232 with RS422 or 485 option. Connector RJ45 Baud Rate up to 115200, Format TSL, TSI, AXP
Alarm	No audio, audio high / low, no video, video black, videofrozen
IP	100-Base-TX, TSL, AXP, Connector RJ45
Control	Front panel buttons for quick preset recalls, GPIs, ASCII Protocol (AXP), OIC Commander
Power Requirement	AC 90 to 250V 50/60Hz
Power Consumption	Approx. 220W
AES Audio (option)	16 channels (balanced / unbalanced)
Analog Stereo Audio (option)	32 channels (balanced / unbalanced)
Embedded Audio	SMPTE 272M-A, HDMI
Power	Redundant power supply is built-in
Dimensions (W x H x D)	17.5" x 3.5" x 23.6"

\*Design and specifications are subject to change without notice

## INPUTS & OUTPUTS

The OIC-M1604 Multiviewer support standard 16 DVI inputs and RJ45 to DVI & HDMI outputs. Also it has capability of optional multiple inputs and outputs.

FLEXIBLE OUTPUTS				
Output	1	2	3	4
Inputs	4	4	4	4
	4	4	8	
	8		8	
	12			4
	16			

STANDARD ACCESSORIES	
Video Input	VGA to DVI-I Adaptor x 16 RJ45 to DVI Adaptor x 4 (up to 35 ft)
Video Output	RJ45 to HDMI Adaptor x 4 (up to 35 ft) 15 ft CAT6 Cable x 4
Controls	SCSI-DB9 GPI/Audio Cable x 4 RJ45-DB9 RS232 Cable x 1 RJ50-DB9 GPI I/O Cable x 1

OPTIONAL ACCESSORIES	
Video Input	HDMI to DVI-I Adaptor YPbPr to DVI-I Adaptor
Video Output	RJ45 to HDMI Active (up to 115 ft) RJ45 to DVI Active (up to 115 ft) RJ45 to VGA Active Adaptor RJ45 to VGA Active Adaptor

