

OIC-M401Q

4 INPUTS MULTIVIEWER SYSTEM Full Screen/Quad/PIP/Custom Displays

The OIC-M401Q is ORION Images's first compact multi-window monitoring system featuring 4 inputs/windows, with resolutions up to 2048 x 1080 (including 1920 x 1080p) and full screen, quad, PIP or infinitely adjustable the screen layouts. This 1 RU, dual rackmountable video scaler/processor allows for video switcher, maximum flexibility in screen layout and for viewing multi-window content of video and graphics at the same time over the RNK series video wall. In Full Screen and Quad modes, this unit outputs 4K, 2K, 1080p and 2560x1600 output resolutions. In PIP and Custom modes, it outputs 2K, 1080p and 1920x1200 output resolutions.

The OIC-M401Q supports inputs for all HD video sources thru the HDMI interface. The OIC-M401Q unit can be controlled several ways; through the front panel buttons, an IR Remote Controller, an Ethernet Control via Web Browser or via standard RS-232C protocol. This unit can be cascade connected for more than 4 inputs when needed.

SPECIAL FEATURES

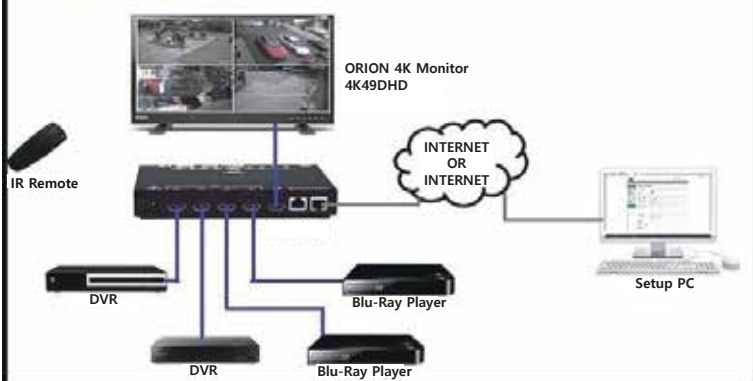
- » 4ch HDMI Inputs supported video resolutions of 2K Cinema (2048x1080), HDTV resolution up to 1080p and PC resolution up to 1920x1080.
- » Output 1ch (Single/Quad up to 4K/60p, PIP/Custom up to 1920x1080/60)
- » Fluid, real-time video performance with up to 60 frames per second (fps) in all four quadrants.
- » Control the multiviewer through Ethernet, RS232, serial port, on screen display (OSD), front panel buttons, or IR remote.
- » Cascade multiviewers to display video from any number of video source.
- » HDCP compliant
- » Optional HDMI active optical cable up to 328feet
- » Up to 10 Custom layout presets
- » Compact half rack size (Height – 1RU)
- » Backup and restore multiviewer configurations
- » 2 Year Warranty

APPLICATION

ORION Images OIC-M401Q Multiviewer provides the user friendly menu to set up your screen layout need.

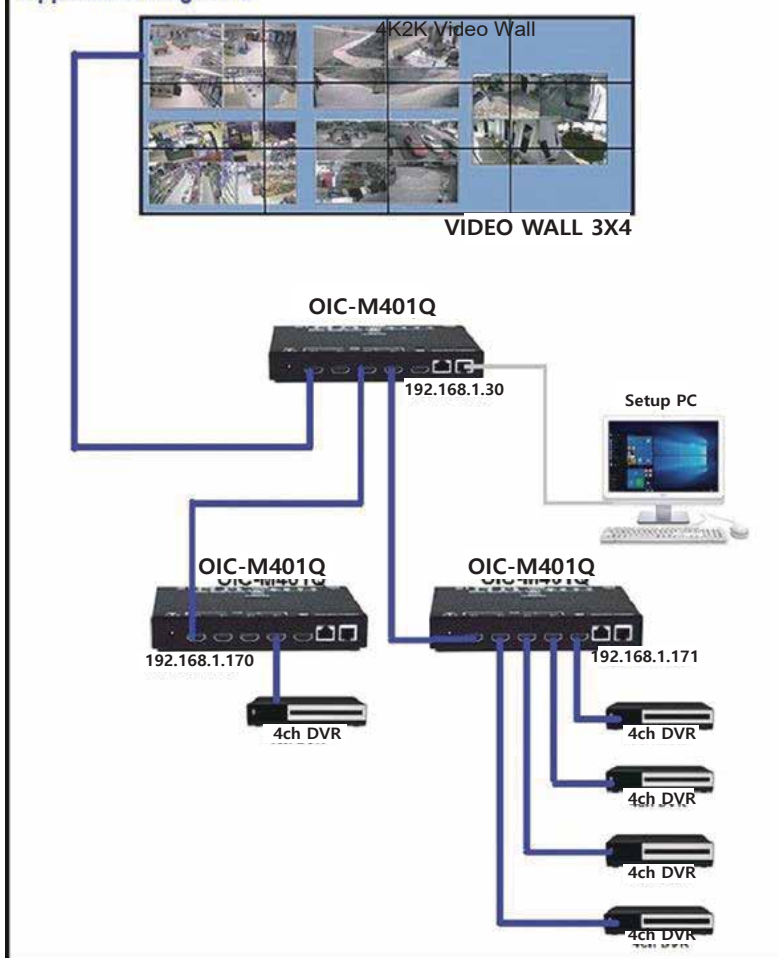
1 System Diagram 1

Application Diagram 1



2 System Diagram 2

Application Diagram 2



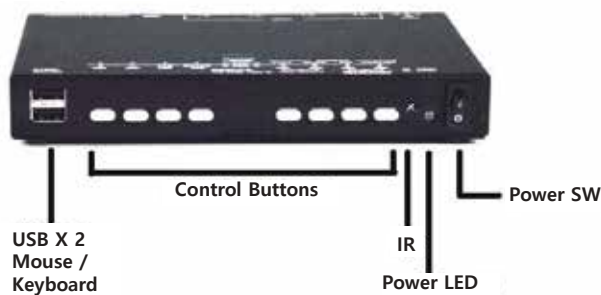
SPECIFICATIONS

OIC-M401Q	
Video Inputs	4 (HDCP 1.4 supported)
Input Connectors	HDMI Female
Video Outputs	1
Output Connectors	HDMI Female
Built-in CATx Extender	Up to 35 feet (Option – up to 115 feet)
Output Resolution	Full/Quad up to 4K 3840x2160, PIP/Custom up to 2048 x 1080 (1080P)
Total Screens	Up to 4
On Screen Display	Borders, Labels, Fonts, Under Monitor Display (UMD) Audio Meters
Protocols	HTTP/HTTPS, TCP/IP, DHCP, UDP, ARP, IPV4
Serial Port	RS232 (Female Connector RJ45) Baud Rate 1200 to 115200bps
USB Port	2 (Keyboard & Mouse)
IP	10/100-Base-T, (Female Connector RJ45)
Control	Front buttons, Ethernet, RS232C, IR remote
Power Requirement	AC 110 to 220V 50/60Hz (with AC Adaptor)
Power Consumption	Approx. 20W
Operating Temperature	32 to 113 F
Storage Temperature	-22 to 140 F
Operating Humidity	17 to 90% non-condensing
Regulatory Approval	CE, RoHS
Dimensions (W x H x D)	7.35" x 1.09" x 4.98"

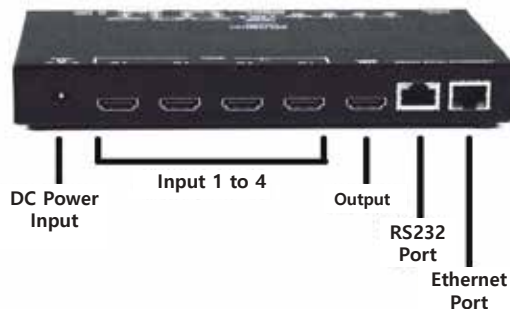
**Design and specifications are subject to change without notice*

OIC-M401Q FRONT AND REAR EXTERNAL APPEARANCE

OIC-M401 Front View



OIC-M401Q Rear View



DISPLAY MODES

Full Screen Mode

- In full screen mode, one of the four video source is displayed in full screen size and maximum resolution.
- Supported video output resolutions:
 - ♦ Ultra-HD 4Kx2K resolution (3840x2160@60Hz, 4096x2160@60Hz)
 - ♦ 2K Cinema (2048x1080@60Hz)
 - ♦ HDTV resolutions up to 1080P
 - ♦ Computer resolutions up to 2560x1600

Quad Mode

- In quad mode, the screen is split into four fields of equal size each displaying the entire contents of four different video sources.
 - ♦ Fluid, real-time video performance with up to 60 frames per second (fps) in all four quadrants.
- Supported video output resolutions:
 - ♦ Ultra-HD 4Kx2K resolution (3840x2160@60Hz, 4096x2160@60Hz)
 - ♦ 2K Cinema (2048x1080@60Hz)
 - ♦ HDTV resolutions up to 1080P
 - ♦ Computer resolutions up to 2560x1600

PIP (Picture In Picture) Mode

- In PIP mode, the full screen display of one of the four video sources is accompanied by one, two, or three small images of the three other video sources on the right hand margin of the screen allowing simultaneous monitoring.
- Size, position and selection of the thumbnails are customizable.
- Supported video output resolutions:
 - ♦ 2K cinema (2048x1080@60Hz)
 - ♦ HDTV resolutions up to 1080P
 - ♦ Computer resolutions up to 1920x1200

Custom Mode

- In Custom mode, each video source is displayed in its own separate, detached window.
- Size, position and selection of the windows are customizable.
- Presets of the window positioning can be saved.
- Supported video output resolutions:
 - ♦ 2K cinema (2048x1080@60Hz)
 - ♦ HDTV resolutions up to 1080P
 - ♦ Computer resolutions up to 1920x1200
- Configure up to 10 preset layouts that can be switched live at any time.
- Size and color of the window border can be changed.
- 2ch audio level indicators to display

HDMI EXTENSION CABLE (Option)

The 401HFxxx Series is the 4K HDMI active optical cable can extend up to 100 meters (328 feet) from a video of the OIC-M401Q multiviewer and provides high reliability transmission with zero signal loss in high noise environments.

- 401HF65 - 65 feet HDMI active optical cable
- 401HF114 - 114 feet HDMI active optical cable
- 401HF164 - 164 feet HDMI active optical cable
- 401HF246 - 246 feet HDMI active optical cable
- 401HF328 - 328 feet HDMI active optical cable

