

# 1T-MV-8474

4K Multiviewer



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## 4K Multiviewer with 4 window layouts in 16 presets

### Features

- ◆ Supports 4K 3840x2160@60Hz input
- ◆ Supports 4K 3840x2160@30Hz output
- ◆ 4-window layouts
- ◆ 16-preset window layouts
- ◆ Assignable front panel and remote buttons
- ◆ 7-video inputs - 4x HDMI 2x DP 1x VGA/YPbPr
- ◆ HDCP Compliant
- ◆ 4K scaling engine, supports up-scaling & down-scaling
- ◆ 8-bit / 10-bit / 12-bit Color depth
- ◆ Auto-scaling, auto-detect EDID
- ◆ Audio embedding and breakaway
- ◆ Supports 7.1 analog and digital audio
- ◆ Volume control
- ◆ Audio delay from 0-400ms
- ◆ IR remote, RS232, Ethernet and WebGUI control
- ◆ Intuitive Web interface
- ◆ Full system control via API
- ◆ Full switching control from front panel
- ◆ 1RU rack mountable

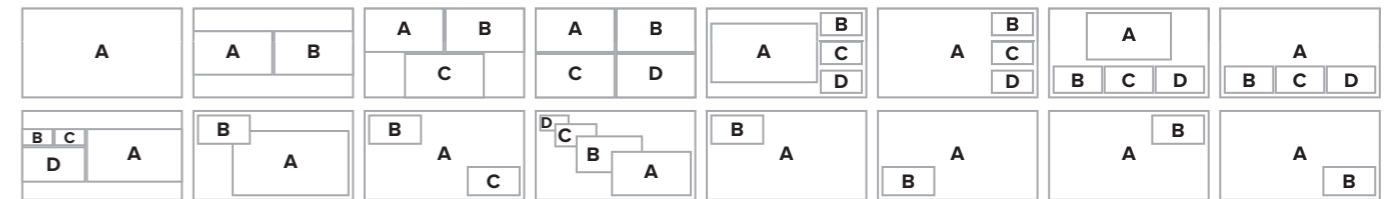
### Overview

1T-MV-8474 4K Multiviewer is the latest product in tvONE's range of 4K enabled products. The Multiviewer can display up to four video windows simultaneously via sixteen different fixed layouts, which can be recalled to present your content in a variety of combinations. This could vary from a straight forward Quad split, Picture-In-Picture, Triple, Side-By-Side, Full screen or something more complex with multiple layers.

The 1T-MV-8474 has seven inputs – 4x HDMI, 2x DisplayPort, 1x VGA/YPbPr. Supporting resolutions up to 3840x2160@30 on HDMI and 3840x2160@60 via DisplayPort. It is complimented by seven independent stereo analog inputs which can be assigned and embedded into any of the video streams. It offers a single scaled HDMI output capable of supporting resolutions up to 3840x2160@30. A digital Toslink and eight independent de-embedded analog channels allow you to switch audio separately from the HDMI stream allowing you to integrate 7.1 audio with external equipment.

Full EDID management and audio control including delay and volume adjustments are supported through the Web interface, making it easy to integrate the 1T-MV-8474 into complex systems. Control is via a Web interface, RS232, Ethernet, Infrared remote or from the front panel buttons. Four of the buttons on front panel and the IR remote are assignable which means you can allocate specific preset configurations and easily recall them during presentations.

The 1T-MV-8474 is an extremely flexible Multiviewer and a very capable Presentation Switcher making it a good fit for many different user applications.



16 four window layout presets enables quick and easy setup.



Embed / de-embed any of the 7 audio inputs



Its deceptively simple appearance disguises its extremely powerful abilities as a 4K Multiviewer / Presentation Switcher.

The 1T-MV-8474 is an easy to use, flexible 4K Multiviewer.

# Specifications

## Unit Functionality

Video Input Formats	HDMI, DVI, DisplayPort, RGBHV YPrPb
Audio Input Formats	HDMI and DisplayPort: embedded digital external analog stereo audio: 20 kΩ impedance
Video Output Formats	HDMI
Audio Output Formats	HDMI: embedded digital audio 7.1 Surround analog audio: 20 kΩ impedance TOSLINK: Digital Optical Audio
Format Compliance	HDMI v1.4 / DVI v1.0 / DisplayPort v1.2 HDCP v1.4
Color Depth	8-bit / 10-bit / 12-bit
EDID Memory	Advanced EDID utilities
Audio Bandwidth	20 Hz to 20 kHz
Audio Sampling Rate	48 kHz / 8CH / LPCM
Audio Levels	Stereo Audio: unity / nominal Stereo Audio: 0.5 - 1.0 Vpp
Audio Delay	User-adjustable from 0 - 400ms in increments of 40ms

## Inputs

Video	6x digital and 1x analog RGB
Audio	6x digital and 7x stereo analog

## Output

Video	1x HDMI/DVI
Audio	1x digital optical, embedded HDMI 4x stereo (Analog 7.1)

## Input Connectors

HDMI/DVI	4x HDMI 19-pin female connectors
DisplayPort	2x 20-pin female locking connectors
Analog RGB	1x HD15 (VGA) female connector
Analog Audio	7x stereo 1/8" (3.5mm) female connectors
Power	1x IEC C14 power connector

## Output Connectors

HDMI/DVI	1x HDMI 19-pin female connector
Digital audio	1x TOSLINK Optical female connector
Analog audio	4x 1/8" (3.5mm) female connectors

## Control

Configuration	Web Interface, RS232, Ethernet, IR remote front panel buttons
Application	Web Interface
Buttons	5/16" (7.5mm) square colored LED backlit

## Mechanical

Size (H x W x D)	
Without feet or ears	1.7" x 17.3" x 11.0" (44 x 439 x 279mm)
With feet (H)	2.0" (51mm)
With ears (W)	19.0" (483mm)
Weight	7.3lbs (3.3kg)

## Power

AC Power	100~240VAC / 50-60Hz
Power Consumption	15 Watts (max.)

## Construction/Material

Front panel	3/8" (10mm) aluminium alloy with black finish
Chassis	1/32" (1mm) pressed steel with matte black finish

## Environmental

Operating Temperature	+32° to +104° F (0° to +40° C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Operating Humidity	20% to 90% Non-Condensing

## Product Item Number

1T-MV-8474	4K Multiviewer
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## Accessories

Included	19 Button remote control, AC power cord, User Guide and 2x rack ears
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## Warranty

Limited Warranty	1 Years Parts and Labor
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## Regulatory Compliance

Main Unit	FCC, CE, RoHS
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