

 DIMENCO



50"

Technical specification

DM504MAS

50" (127 cm) Professional

QFHD/UD (4K) 3D display

3D Intelligent Display Solution

3D & 2D dual-mode display

Multi-view Lenticular Display

- › Autostereoscopic 3D display: 28 view
- › 3D Technology: fixed lenticular
- › Optimal viewing distance: adjustable
- › Image diameter: 50 inch
- › Resolution: 3,840 x 2,160 x RGB (QFHD)
- › Aspect ratio: 16:9
- › Display colors: 1.07 Billion colors
- › Brightness: 400 cd/m²
- › Contrast ratio (typical): 5000:1
- › Response time gray-to-gray (typical): 6.5 ms
- › Input format: 2D-plus-Depth in 3D mode

Connectivity

- › Video input:
 - DVI-D dual link
 - HDMI
 - 30 Hz, 3840 x 2160 p or 3840 x 1080 p
 - 60 Hz, 1920 x 1080 p
- › Monitor control via DDC/CI channel
- › Power consumption: 130W
- › Power supply: Built-in, 90-264VAC, 50/60Hz

3D input formats

- › 2D-plus-Depth
- › Stereo (side-by-side, top/bottom, frame packing)
- › Multi-view (8 or 9 views)
- › 2D to 3D conversion

Advanced display signal processing

- › Integrated 2D/3D display processing hardware
- › 2D-plus-Depth converted to 28 different views and interwoven into a 3D image.
- › Dimenco rendering is tuned for lenticular optical behavior
- › Two modes: -
 - 3D rendering mode
 - 2D mode with picture quality improvement
- › Two modes: -
 - 3D rendering mode
 - 2D mode with picture quality improvement

Dimensions

- › Dimensions (W x H x D): 112.4 x 64.7 x 7.4 cm
- › Weight: 38 kg, 40 kg incl. packaging
- › Mounting:
 - Table stand (included)
 - VESA 400x200 & 400x100 mm mounting
- › Relative Humidity: 20% - 90%
- › Temperature range (operation): 0°C to 35°C
- › Temperature range (storage): -20°C to 60°C

Dimenco Control Tool

- The Display Control Tool offers real-time control of the following monitor functions:
- › Offset
 - › Depth factor
 - › Optimal viewing distance
 - › Contrast
 - › Brightness
 - › Advanced visualization parameters
 - › App available as iOS (iPhone,iPad) in the Apple Appstore

Dimenco 3D Player

The Dimenco 3D Player is an application to play 3D video clips in the 2D-plus-Depth format on a PC. The Media Player ensures that the monitor switches to 3D mode with the appropriate settings. The Dimenco 3D Player is now also available for Android in the Google Playstore.

3D content enabling products (optional)

- › Plug-ins for popular 3D animation software available
- › OpenGL Visualizer and Control, DirectX Visualizer
- › Player API, Settings API
- › @depth content conversion software

NABLA

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4K
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DCV

Dimenco Clear View
High contrast, no visible brightness loss and the lowest crosstalk