

MULTI-VIEW CONTROLLER

MagicWall

Your Best Partner for Signal Monitoring

When you monitoring video using the traditional TV wall, some problems have to be faced with, like numerous monitors occupying vast spaces; information displayed singular; no alarm signal or audio level, besides, huge power consumption and radialization must be taken into considerations. At Dayang we are specialists in multi-view control and management. Our commitment to design has allowed us to evolve sophisticated and highly flexible Multi-viewer systems. Our products are designed with high quality, flexibility, control and ease of use in mind, and can be tailored to match the specific needs of any monitoring environment. Applications are numerous and cover broadcast, multi-video & audio monitoring, master control rooms, outside broadcast (OB) van, public information displays, etc. Dayang MW-5000 series multi-viewer display features up to 16 input channels of digital video with embedded audio, and boasts a dual-DVI interface to output to LCD, plasma, rear-projection and overhead projection. It offers users a low power consumption environment, and the flexible integration with monitoring system for V/A signal switching.

Key Features

Top image quality

Dayang's advanced image processing technology ensures the extraordinary image quality and superior on-screen graphics. It provides high resolution up to 2048*1536, and offers four types of oscillographs, including vector graph, histogram, waveform and parse graph, for in-depth analysis of image quality.

Superior flexibility

Each Magicwall product can display any of its SD/Analog inputs, any number of times, at different resolutions and sizes up to full screen or down to a fraction of its original size without any crack, stripping or bandwidth limitation. Users can easily drag any video, audio, text, image and clock elements to create customized layout freely.

Multi-format and real-time V/A monitoring

MagicWall can support multiple format of video simultaneously, such as NTSC, PAL, SDI 625/525 and computer signal input. Any channel can be monitored without the need to add any extra devices. Monitoring as well as detecting the signal validity is precisely real-time.

Signal probing and alarm management

MagicWall's powerful alarm system probes and displays the status and validity of video and audio signals, including:

Loss of video sync; Black picture detection; Frozen picture detection; Abnormal video level Loss of audio Audio in silence Abnormal audio level Loss of logo It provides both text and voice warning options, also each channel is able to set alert threshold for each channel independently.

Expandable architecture

MagicWall can be linked together to create systems which fully address large monitoring requirements.

Dynamic UMD text labels

The text label can be displayed inside or outside the video window and updated dynamically. UNICODE is supported.

MW-5000 Family Member

Model No.	Product Name	Description
MagicWall 5000 Series		
MW-5160	Multi-view monitor controller (16-channel digital)	Multi-view monitor control system, providing 16-channel digital V/A input, professional V/A signal interfaces and Dayang Magicwall software
Magicwall 5000 Accessories/Options		
U/Magicwall	Dayang 5000 series Magicwall software package	Multi-view controller software installed on Magicwall controller
MW-MBA/V1.2	4-channel analog input card	Support 4-channel analog V/A input
MW-TALLY-16	16-channel Tally card	Support 16-channel Tally signal input



MW-5160 Specifications

CPU

Core2 DUO E6320 1.86GHz

System Hard Disk

256MB

80G

Board Card

FV-N76TM2D2/PCI-E/256MB

A/V Interface

MW-RX card V2.1/16-RH×1

MW-MB/V3.2-4N-RH×4

Inputs

16×SDI with 4 channels of embedded digital audio

Outputs

2 x DVI

Hardware Option

2 x Unbalanced Analog Audio

MW-MBA

4-channel A/D convertor

MW-TALLY-16

16-channel Tally input card

Physical Specs

Inputs 16 x BNC

Outputs 2 x DVI

Dimensions

Chassis 3RU rack mount chassis

Height 134mm

Width 424mm

Depth 615mm

Power

Voltage AC 110-240V

Frequency 50-60 Hz

Consumption 460W x 2