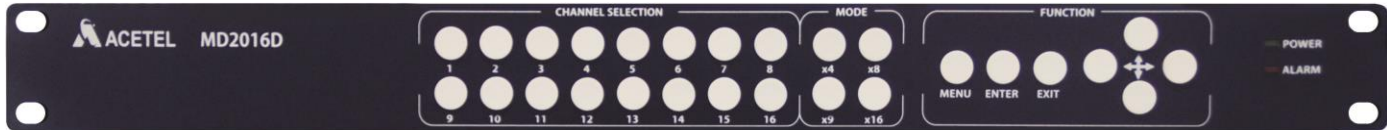


MD2000

Digital Multiviewer for Broadcast Monitoring



The Multi Displayer MD2016D is a multi-channel monitoring system which allows viewing of up to 16 video channels. Versatile and functional, the MD2016D supports SD/HD SDI inputs with an HDMI output. The features of the MD2000 include video quality monitoring, audio level monitoring, signal probing (A/V), multi-screen layouts, and graphic displays.

The MD2016D is designed for broadcasters, content providers, and telco's monitoring multiple channels on one screen. The NMS allows users to configure alarms and settings as needed. The NMS can control up to 32 units locally or remotely.

MD2016D



KEY FEATURES

1RU RU Compact Type Multiviewer

- 16 input Channels
- Superior Video Quality
- Multi-Channel Audio leveling
- Visible and Audible Alarms

Easy Operations

- Front Panel Control
- Integrated NMS
- Remote Access and Control

KEY FEATURES AND BENEFITS

SDI Input Format

- **Supports 16 SDI inputs**
 - Automatic detection of SD, HD or 3G signals

Superior Video Output Quality

- **HDMI output** - Allows for Superior Video Quality critical to monitoring purposes.
 - 1024x768, 1280x1024
 - 1280x720p, 1920x1080i, 1920x1080p

Multi-Channel Audio leveling

- **Audio level Extraction** – Extracted from Embedded SDI signals and displayed on-screen.
- **Audio level display** - Inside or outside the video window for multiple channel audio.
- **Audio meter position** - Can be positioned in either Left/Right or bottom of Video.
- **Up to 32 stereo audio pairs** - 2 stereo audio pairs (per Video) per one 1RU chassis.
- **Audible Channel Audio**- can select one channel to hear audio
- **Primary or Secondary Audio Selection**- can select the primary or secondary audio track of the channel

Multiple Screen Layout

- **Flexible layout support** - Full-screen or mosaic of smaller screens of several channels displayed on screen.
 - Fixed layout: 1, 4, 6, 8, 9, 12,16 screens
 - Custom mode: 6 custom modes are supported and easily prepared by the Layout Editor Software (Future release)

Alarm Log

- **Detailed alarm logs displayed .**
- **Alarm Status**
 - Current alarms and history
 - Alarm time, resolve time
 - Set threshold for log file saved

Various Graphic Display

- **Digital Clock/Timer, Date, Logo, and Title display**
 - Clock/timer, date, logo and titles can be displayed on screens depending on user selection
- **Clock Display**
 - 12 hour or 24 hour digital clock
 - Sync to NTP server
- **Date Display** - Several Date formats
- **Logo Display** - Insert custom logo
- **Title Display** - Graphic title can be displayed and changed for each channel

Signal Probing

- **Features various signal probing** - For Video and Audio and displays sophisticated on-screen alarms specifying the problem types
- **Video Probing**
 - Video Loss
 - Video Freeze (set latency)
- **Audio Probing**
 - Audio Loss ((set latency)
 - Audio over-level (future)

Easy Operation

- **Easy to use system** - For simple and hassle-free monitoring
- **Front panel control buttons** - Allow for easy control of menu, layouts, and channels
- **Per-channel front panel buttons** - Allow for immediate full screen monitoring of any channel

Integrated monitoring with NMS

- NMS provides Integrated monitoring for multiple MD2000s
- Remote access to devices off site
- Configure and control all alarms and configurations

TECHNICAL SPECIFICATIONS

Video Input

Input Type	16 x SD/HD/3G-SDI (SMPTE 259M) (NTSC / PAL (B/D/G/H/I/K/L/M) / SECAM)
Connector	
Auto Detection	BNC (75Ohms) Future Model

Audio Input

Input Type	Embedded in SDI
Connector	BNC (75Ohms)
Number of CHs	2 x stereo pairs per video input

Video Output

Output	1024x768, 1280x1024
Resolutions	1280x720p, 1920x1080i, 1920x1080p
Connector	HDMI

Ordering Information

MD2016A	16 x CVBS + 32 Stereo Audio Pairs Analog
MD2016D	16 x SD/HD/3G + 32 Stereo Audio Pairs

System Management and Operations

Front Panel Control
Ethernet Control through RJ-45
Layout Editor Software (Future Model)
Separate NMS for Integrated monitoring

Power

Input Voltage	90VAC ~ 264VAC, 50/60Hz
Typical Power Consumption	75W

Physical and Environmental

Dimensions (WxDxH)	440mm x 280mm x 44mm 17.3" x 11" x 1.7"
Weight	3 Kg / 6.6 lbs
Operating Temperature	0 ~ 50 °C / 32 ~ 122 °F
Humidity	< 95% non-condensing



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