

VIO MFC

Format Converter Serial

VIO MFC is a product serial of format converter based on 1RU chassis, including VIO MFC-HDMI-HD, VIO MFC-HDMI-SD, VIO MFC-UDC, and VIO MFC-X. It's a bridge between broadcasting and IT area. Support LCD menu, control button, and LED indication on front panel. CVBS output and audio input/output are optional.

Key Features



3G Input

Support various format for VGA and DVI (HDMI) input. Up to 1920x1080 for DVI (HDMI) input and 1600x1200 for VGA input.

Ref In

Besides inner sync, genlock with full phasing control for V-phase and H-phase locks HD/SD-SDI output to black burst.

AFD

For up/down conversion, adopt AFD auto-sensing or manual setting (Crop/Bar/Stretch).

Area Magnify

Magnify the selected image area through the Web server. Support moving and adjusting the magnify area pixel by pixel.

Image Adjust

Provide flexible adjustment for luminance, saturation, contrast, detail, denoise.

Anti-Flicker

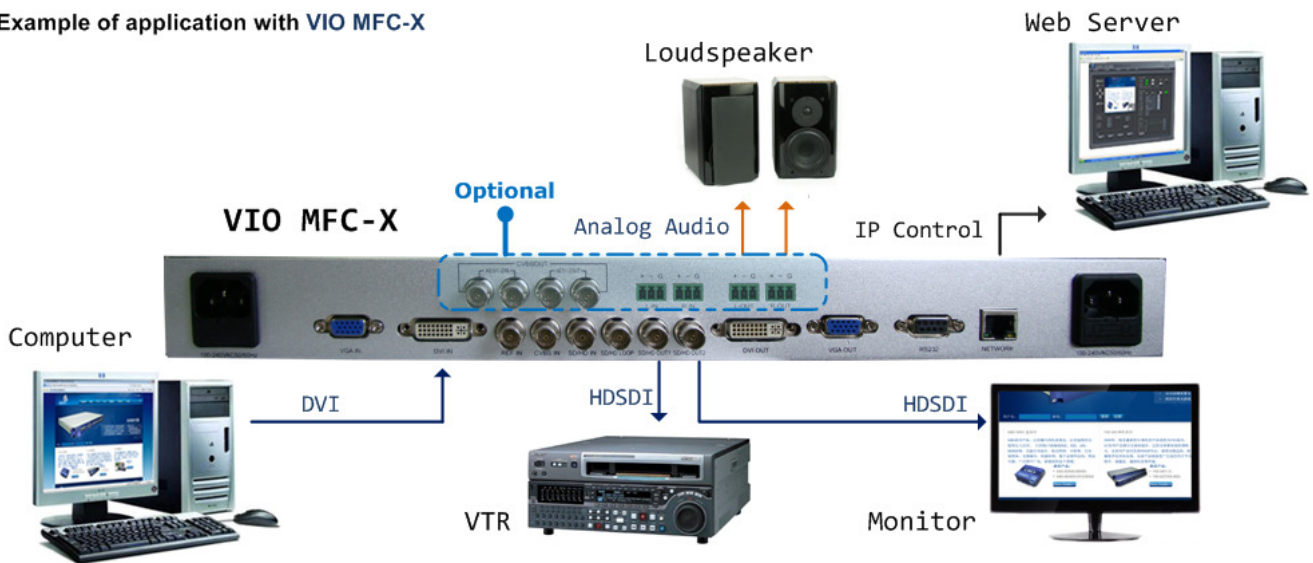
Multi-level anti-flicker

Save Layout

4 Preset layouts for all parameter settings

Application

Example of application with VIO MFC-X



Rear Panel Option

Additional Function:

Video Output:

4xCVBS output, BNC



Audio In+Out:

2xAES Input+2xAESOutput, BNC

2xAnalog Audio In+2xAnalog Audio Out, 3pin



Web Control



Ordering Information

VIO MFC-HDMI-HD (SD)

Convert DVI (HDMI) and VGA signal to HD/SD-SDI (SD-SDI) with Genlock

VIO MFC-UDC

Up/down cross conversion I with Genlock

VIO MFC-UDC

Universal format converter, convert DVI (HDMI), VGA, HD/SD-SDI, CVBS signal to each other with Genlock

Input Signal

1xVGA Input,
Up to 1600x1200@60Hz
1xDVI (HDMI) Input
Up to 1920x1080@60Hz

Output Signal

2xHD/SD-SDI, BNC
HD-SDI 1080i 50

Input Signal

1xSD/HD -SDI Input,
SD: 625i/50, 525i/60
HD: 720p 50/60
1080i 50/59.94/60;
1080p 30/25/24;
1080p 50/59.94/60;
1xCVBS Input
Pal standard

Input Signal

1xVGA Input,
Up to 1600x1200@60Hz
1xDVI (HDMI) Input
Up to 1920x1080@60Hz
1xSD/HD -SDI Input,
SD: 625i/50, 525i/60
HD: 720p 50/60
1080i 50/59.94/60;
1080p 30/25/24;
1080p 50/59.94/60;
1xCVBS Input, Pal

SMPTE 292M, 1.485Gb/s

SD-SDI 625i 50

SMPTE 259M-C; 270Mb/s

Genlock

1xRef In, BNC

PAL black burst

Control Interface

1xLAN port, RJ45

Output Signal

2xHD/SD-SDI, BNC

HD-SDI 1080i 50

SMPTE 292M, 1.485Gb/s

SD-SDI 625i 50

SMPTE 259M-C; 270Mb/s

1xSD/HD -SDI Loop

Genlock

1xRef In, PAL black burst

Output Signal

2xHD/SD-SDI, BNC

HD-SDI 1080i 50

SMPTE 292M, 1.485Gb/s

SD-SDI 625i 50

SMPTE 259M-C; 270Mb/s

1xSD/HD -SDI Loop

1xVGA

Up to 1360x768@60Hz

1xDVI (HDMI)

Up to 1920x1080@60Hz

Genlock

Technical Specifications

10/100/1000M auto-adapting

Power

2x AC power supply

2X120W

Size

1U 19"

D 265 mm x W 482 mm x H 44 mm

Control Interface

1xLAN port, RJ45

10/100/1000M auto-adapting

Power

2x AC power supply

2X120W

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