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# License & Certifications

## Company Profile

GoMax Electronics is a Taiwan-based professional video and audio integration ODM company. Video processing, transmission, and conversion are all its expertise. With the strict requirement for high quality in R&D and manufacture, GoMax wants to challenge itself to exactly meet customer's demand. Therefore, no matter it's finished goods with/without fully package or just PCBA, we can fulfill all of your concern of being fine and unique. With the whole product lineup designed and made in Taiwan, your request for high quality and reliability is well-handled in our hands.

### Three major focus areas

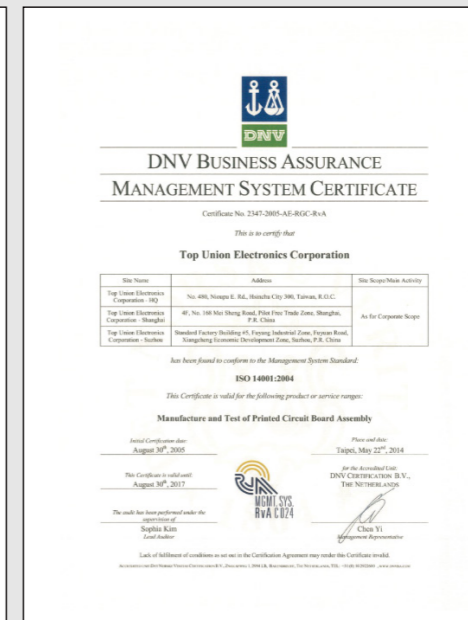
- Video Processing - multi-view video processor, multi-display videowall processor
- Video Transmission - video over UTP (Cat-5/5e/6), coaxial, or fiber
- Video Conversion - all kinds of conversion among HDMI, DVI, SDI, VGA, component, and composite, in the forms of distribution amplifier, switch and matrix

### By utilizing our products you can provide total solutions on

- Home Theater
- Digital Signage
- Video Wall
- Public Broadcasting
- Surveillance
- Post Production



DIGITAL CONTENT PROTECTION		
DCP		
Company Name	Agreement Type	Expiration Date
GoMax Electronics, Inc.	HDCP 2.x Licensed Adopter	11-20-2018



### MTBF PREDICTION REPORT (MTBF= Mean Time Between Failure)

Company : GoMax Electronics, Inc.  
 Model Name : MA-5216VB  
 Date Received : NOV 07, 2014  
 Date Tested : NOV 07, 2014 ~ NOV 17, 2014  
 We Hereby Certify That :

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

Name	Signature	Date
Test Engineer	Mia Lin	11-27-2014
Manager	Injel Chen	11-27-2014

**NOTE :**

- This report will be invalid if reproduced in part or altered in any way.
- This report refers only to the specimen(s) submitted to test, and is invalid if used otherwise.
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- The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.



# CONTENTS

1

## Video Extension

- HDBaseT-based
- IP-based
- FIBER-based

5

## Video Splitter & Switcher

- Signal Distribution - HDMI
- Signal Distribution - 12G SDI
- Signal Switch - HDMI

10

## Multi-purpose Converter

12

## Live Streaming

## MST Hub & Adapter

14

## Matrix Switcher

16

## Presentation Switcher

17

## Video Processor

- Videowall
- Multiview

19

## Pro A/V Tool

- Pattern Generator

21

# Video Extension

- HDBaseT-based
- IP-based
- FIBER-based

## HDBaseT-based

### EX-57VJ

4k 30 extender over single cat.X with HDBaseT (A/V, RS-232, PoC, bi-directional IR) 70m



#### Feature

- 4K@30-35m / 1080p@60-60m
- Up to 10.2Gbps Bandwidth
- Bi-directional PoC Power (TX / RX)
- Bi-directional IR Extension

### EX-57VJ-A

4k 30 extender over single cat.X with HDBaseT (A/V, RS-232, PoC, bi-directional IR, ARC) 70m



#### Feature

- 4K@30-35m / 1080p@60-60m
- Up to 10.2Gbps Bandwidth
- Bi-directional PoC Power (TX / RX)
- Bi-directional IR Extension
- Built-in Audio Return Channel (ARC)

### EX-57V2K-U

4k 30 extender over Single Cat.X with HDBaseT, RS-232, Bi-directional IR, USB, Ethernet & PoC



#### Feature

- 4K@60(4:2:0)-80m / 1080p@60-100m
- Up to 10.2Gbps Bandwidth
- Bi-directional PoC Power (TX / RX)
- Bi-directional IR & RS232 & USB2.0 ;Extension

### EX-57VJZ

4k-HDR extender over single cat.X with HDBaseT (A/V, RS-232, POC, bi-directional IR) 70m



#### Feature

- 4K@60-35m / 1080p@60-60m
- Up to 18Gbps Bandwidth
- Bi-directional PoC Power (TX RX)
- Bi-directional IR & RS232 Extension

### EX-57VAC-100

4k-HDR Slim extender over single cat.X with HDBaseT (A/V, RS-232, POC, bi-directional IR) 100m



#### Feature

- 4K@60-70m / 1080p@60-100m
- Up to 18Gbps Bandwidth
- Bi-directional PoC Power (TX RX)
- Bi-directional IR & RS232 Extension

### EX-57VJZ-A

4k-HDR extender over single cat.X with HDBaseT (A/V, RS-232, POC, bi-directional IR, ARC) 70m



#### Feature

- 4K@30~35m / 1080p@60~60m
- Up to 10.2Gbps Bandwidth
- Bi-directional PoC Power (TX RX)
- Bi-directional IR Extensio
- Built-in Audio Return Channel (ARC)

### EX-57VAC-100E-A

4k-HDR Slim extender over single cat.X with HDBaseT (A/V, RS-232, POC, bi-directional IR, Ethernet) 100m



#### Feature

- HDMI 2.0(a/b) w/HDR
- HDCP 2.2 (backward compatible)
- Up to 18Gbps Bandwidth
- Up to 4K60 4:4:4 Support

### EX-57VAC

4k-HDR Slim extender over single cat.X with HDBaseT (A/V, RS-232, POC, bi-directional IR) 70m



#### Feature

- 4K@60-35m / 1080p@60-60m
- Up to 18Gbps Bandwidth
- Bi-directional PoC Power (TX RX)
- Bi-directional IR & RS232 Extension

### EX-57V2KS

4k-HDR HDMI2.0 Extender over Single Cat.X with HDBaseT, RS-232, Bi-directional IR, Ethernet, & PoC



#### Feature

- 4K@60-70m / 1080p@60-100m
- Up to 18Gbps Bandwidth
- Bi-directional PoC Power (TX RX)
- Bi-directional IR & RS232 Extension

### EX-57V2K-E

4k-HDR HDMI2.0 Extender over Single Cat.X with HDBaseT, RS-232, Bi-directional IR, USB, & PoC



#### Feature

- 4K@60-70m / 1080p@60-100m
- Up to 18Gbps Bandwidth
- Bi-directional PoC Power (TX RX)
- USB, Ethernet & control signal extension

### EX-57V3KP

4k-HDR uncompressed HDMI2.0 Extender over Single Cat.X with HDBaseT, RS-232, Bi-directional IR, USB, Ethernet, & PoC (2 Transceiver in a package) modular design



#### Feature

- 4K@60-100m
- Up to 18Gbps Bandwidth
- HDR, HDCP 2.2 compliance
- Bi-directional PoC Power
- Bi-directional IR & RS232 Extension

### EX-57V3K-M

4k-HDR uncompressed HDMI2.0 Extender over Single Cat.X with HDBaseT, RS-232, Bi-directional IR, USB, & PoC (Transmitter/Receiver in a package)



#### Feature

- 4K@60-70m / 1080p@60-100m
- Up to 18Gbps Bandwidth
- HDR, HDCP 2.2 compliance
- Bi-directional PoC Power (TX RX)
- Bi-directional IR & RS232 Extension

### EX-57XCT

HDMI2.0 over Fiber/Copper Transceiver with Bi-directional video, USB (2 Transceiver in a package)



#### Feature

- HDMI 2.0(a/b) w/HDR
- HDCP 2.2 (backward compatible)
- Up to 18Gbps Bandwidth
- Up to 4K60 4:4:4 Support

### EX-57V3K

4k-HDR uncompressed HDMI2.0 Extender over Single Cat.X with HDBaseT, RS-232, Bi-directional IR, USB, Ethernet, & PoC (2 Transceiver in a package)



#### Feature

- 4K@60-70m / 1080p@60-100m
- Up to 18Gbps Bandwidth
- HDR, HDCP 2.2 compliance
- Bi-directional PoC Power (TX RX)
- Bi-directional IR & RS232 Extension

### EX-57EG

Advanced HDMI2.0 over IP transceiver with USB



#### Feature

- Dual-purpose as Transmitter or Receiver
- HDMI 2.0 w/HDR & HDCP 2.2
- Up to 4K60 4:4:4 Support
- 18Gbps Bandwidth Support
- Bi-directional IR & RS232 Support

### EX-57EM-RX

Advanced HDMI2.0 over IP receiver with USB



#### Feature

- HDMI 2.0 w/HDR & HDCP 2.2
- Up to 4K60 4:4:4 Support
- 18Gbps Bandwidth Support
- Bi-directional IR & RS232 Support

### EX-57EG-W

Advanced HDMI2.0 over IP transceiver with USB & POE



#### Feature

- Dual-purpose as Transmitter or Receiver
- Power Over Ethernet (PoE) Support
- HDMI 2.0 w/HDR & HDCP 2.2
- Up to 4K60 4:4:4 Support
- Bi-directional IR & RS232 Support

### EX-57EM-W-TX

Advanced HDMI2.0 over IP transmitter with USB & POE



#### Feature

- Power Over Ethernet (PoE) Support
- HDMI 2.0 w/HDR & HDCP 2.2
- Up to 4K60 4:4:4 Support
- 18Gbps Bandwidth Support
- Bi-directional IR & RS232 Support

### EX-57EM-TX

Advanced HDMI2.0 over IP transmitter with USB



#### Feature

- HDMI 2.0 w/HDR & HDCP 2.2
- Up to 4K60 4:4:4 Support
- 18Gbps Bandwidth Support
- Bi-directional IR & RS232 Support

### EX-57EM-W-RX

Advanced HDMI2.0 over IP receiver with USB & POE



#### Feature

- Power Over Ethernet (PoE) Support
- HDMI 2.0 w/HDR & HDCP 2.2
- Up to 4K60 4:4:4 Support
- 18Gbps Bandwidth Support
- Bi-directional IR & RS232 Support

### SW-5004IZ

4x1 HDMI 2.0a Switch



#### Feature

- Routes four 4K HDMI sources to one display
- Supports HDR, HDMI 2.0, HDCP 2.2 & 1.4, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Supports IR & Push-buttons & control.

### SW-5004RZ

4x1 HDMI 2.0a Switch 4K HDR, support amazon alexa control



#### Feature

- Routes four 4K HDMI sources to one display;
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Intelligent Auto-Switching;
- Supports IR & Push-buttons & Cloud control.

### SW-5005RS

5x1 HDMI 2.0 Switch with front panel and remote control



#### Feature

- Route 5 HDMI sources to One Display
- Intelligent Auto-Switching
- Touch control with beep sound
- Clear Illuminate LED digit-numbering
- Latest HDMI 2.0 Switch

## Video Splitter & Switcher

- Signal Distribution - HDMI
- Signal Distribution - 12G SDI
- Signal Switch - HDMI



### SP-5002EZM-AP

1x2 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management cost effective version



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Pocket-sized enclosure for space saving.
- Built-in EDID management and F/W update.

### SP-5004IC

1x2 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler cost effective version



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz(4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Pocket-sized enclosure for space saving.
- Built-in EDID management and F/W update.

### SP-5004EZM-AP

1x4 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management cost effective version



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Pocket-sized enclosure for space saving.
- Built-in EDID management and F/W update.

### SP-5002IZ

1x2 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler



#### Feature

- Distributes 4K HDMI signals from one HDMI source to four displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Built-in EDID management and F/W update.

### SP-5002IC

1x2 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler cost effective version



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz(4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Pocket-sized enclosure for space saving.
- Built-in EDID management and F/W update.

### SP-5004IZ

1x4 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler



#### Feature

- Distributes 4K HDMI signals from one HDMI source to four displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Built-in EDID management and F/W update.

### SP-5008IZ

1x8 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler



#### Feature

- Distributes 4K HDMI signals from one HDMI source to four displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Built-in EDID management and F/W update.

### SP-5004IZMW

1x4 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler USB charging, output 4 supports HDR to SDR



#### Feature

- Distributes 4K HDMI signals from one HDMI source to four displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Elegant and durable aluminum metal enclosure

### SP-5002IZM

1x2 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler USB charging



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Elegant and durable aluminum metal enclosure

### SP-5008IZM

1x8 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler USB charging



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Elegant and durable aluminum metal enclosure

### SP-5004IZM

1x4 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler USB charging



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Elegant and durable aluminum metal enclosure

### SP-5002IZM-D

1x2 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler with Audio Extractor



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Supports audio extraction via Toslink & Coaxial. Built-in EDID management and F/W update.

### SP-5004IZM-D

1x4 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler with Audio Extractor



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Supports audio extraction via Toslink & Coaxial. Built-in EDID management and F/W update.

### SP-5008IZM-DA

1x8 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler with Analog Audio Extractor



#### Feature

- Distributes 4K HDMI signals from one HDMI source to eight displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Supports audio extraction via Toslink & 3.5mm Stereo.
- Built-in EDID management and F/W update.

### SP-5002IZM-DA

1x2 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler with Analog Audio Extractor



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Supports audio extraction via Toslink & 3.5mm Stereo.
- Built-in EDID management and F/W update.

### SP-5002IZM-PT

4K HDR 1x2 splitter (light package, pig tail)-USB power with scaler



#### Feature

- Distributes 4K HDMI signals from one HDMI source to two displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Pigtail design as convenient mobile equipment.
- Elegant and durable aluminum metal enclosure

### SP-5004IZM-DA

1x4 HDMI 2.0a Splitter with Built-in & User Adjustable EDID Management with scaler with Analog Audio Extractor



#### Feature

- Distributes 4K HDMI signals from one HDMI source to eight displays.
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Auto 4K2k to 1080P resolution downscaling to fit optimum output.
- Supports audio extraction via Toslink & 3.5mm Stereo.
- Built-in EDID management and F/W update.

**SP-3002KG**

1x2 12G/6G/3G/HD/SD-SDI Distribution Amplifier with Reclocking



Feature

- x2 buffered outputs
- Auto sensing 12G/6G/3G/HD/SD-SDI input
- Physical layer testing passed
- Cable reach to 90m (3G-SDI), 150m (HD-SDI) or 300m (SD-SDI)

**SP-3004KG**

1x4 12G/6G/3G/HD/SD-SDI Distribution Amplifier with Reclocking



Feature

- x4 buffered outputs
- Auto sensing 12G/6G/3G/HD/SD-SDI input
- Physical layer testing passed
- Cable reach to 90m (3G-SDI), 150m (HD-SDI) or 300m (SD-SDI)

**SP-3008KG**

1x8 12G/6G/3G/HD/SD-SDI Distribution Amplifier with Reclocking



Feature

- x8 buffered outputs
- Auto sensing 12G/6G/3G/HD/SD-SDI input
- Physical layer testing passed
- Cable reach to 90m (3G-SDI), 150m (HD-SDI) or 300m (SD-SDI)

**SW-5004IZ**

4x1 HDMI 2.0a Switch



Feature

- Routes four 4K HDMI sources to one display;
- Supports HDR, HDMI 2.0, HDCP 2.2 & 1.4, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Supports IR & Push-buttons & control.

**SW-5004RZ**

4x1 HDMI 2.0a Switch 4K HDR, support amazon alexa control



Feature

- Routes four 4K HDMI sources to one display
- Supports HDR, HDMI 2.0, HDCP 2.2, 4K2K@60Hz (4:4:4) and 7.1ch audio.
- Intelligent Auto-Switching
- Supports IR & Push-buttons & Cloud control.

**SW-5005RS**

5x1 HDMI 2.0 Switch with front panel and remote control



Feature

- Route 5 HDMI sources to One Display
- Intelligent Auto-Switching
- Touch control with beep sound
- Clear Illuminate LED digit-numbering
- Latest HDMI 2.0 Switch

# Multi-purpose Converter

## CV-35A

3G/HD/SD-SDI to HDMI Converter with audio extractor



### Feature

- 4K@30-35m / 1080p@60-60m
- Up to 10.2Gbps Bandwidth
- Bi-directional PoC Power (TX / RX)
- Bi-directional IR Extension

## CV-53A

HDMI to 3G/HD/SD-SDI Converter with audio embedder



### Feature

- 4K@30-35m / 1080p@60-60m
- Up to 10.2Gbps Bandwidth
- Bi-directional PoC Power (TX / RX)
- Bi-directional IR Extension
- Built-in Audio Return Channel (ARC)

## CV-35AK

12G/6G/3G/HD-SDI to HDMI 2.0 Converter with Audio Extractor



### Feature

- 12G/6G/3G/HD-SDI to HDMI 2.0
- Full HDMI support including extracted audio
- Auto 12G/6G/3G/HD-SDI detection
- Log jitter SDI outputs
- Compact and portable enclosure

## CV-53AK

HDMI 2.0 to 12G/6G/3G/HD/SDI Converter with Audio Embedder



### Feature

- HDMI 2.0 to 12G/6G/3G/HD/SD-SDI Conversion
- Full HDMI support including embedded audio
- Auto 12G/6G/3G/HD/SD-SDI detection
- Supports 3.5mm Analog Audio Embedding
- USB(micro-b) firmware field-upgradable

## CV-C03S

VGA & HDMI to 3G SDI with 4K/30 scaler



### Feature

- HDMI 2.0 to 3G/HD/SD-SDI Conversion
- Configurable control from USB port
- USB(micro-b) firmware field-upgradable

## CV-53BI

3G SDI Bi-Directional Converter



### Feature

- Multi-format to HDMI 1.4 Conversion
- Configurable control from USB port
- USB(micro-b) firmware field-upgradable

## CV-503ZK

HDMI 2.0 to 12G/6G/3G/HD/SDI Converter



### Feature

- HDMI 2.0 to 12G-SDI Conversion
- Auto 12G/6G/3G/HD/SD-SDI detection
- USB(micro-b) firmware field-upgradable

## CV-C05S

Multi-format mini DP/VGA/HDMI/CVBS/Componentscaler converter to HDMI output



### Feature

- Multi-format to HDMI 1.4 Conversion
- Configurable control from USB port
- USB(micro-b) firmware field-upgradable

## CV-503ZKM

HDMI 2.0 & 12G SDI to 12G/6G/3G/HD/SDI Converter with Audio Embedder



### Feature

- Muxer & DeMuxer conversion from/to 4K-UHD & Multi/Single-link SDI
- Audio Embedding of 8 channels
- Auto 12G/6G/3G/HD/SD-SDI detection
- 12G-SDI quadrant or 2SI output mapping
- USB(micro-b) firmware field-upgradable

# Live Streaming

## CAP-302AS-G

USB3.1 Gen1 3G-SDI Capture Device with Scaler and Audio USB type A



### Feature

- SDI to USB Video Capture/Streaming
- Supports SDI Input & Loopout
- Mixed Audio Support
- Built-in Audio Embedding via 3.5mm jack
- USB bus-powered

## CAP-502AS-G

USB3.1 Gen1 Full HD Video Capture Device with Scaler and Audio USB type A



### Feature

- HDMI to USB Video Capture/Streaming
- Supports HDMI Input & Loopout
- Mixed Audio Support
- Built-in Audio Embedding via 3.5mm jack
- USB bus-powered

## CAP-502MJIW

USB3.0 Full HD Video Capture Device with HDMI2.0a loopout, Audio & HDR10 to SDR conversion USB type A



### Feature

- HDMI video and audio streams over USB 3.0
- Supports HDMI input & loopout from 640x480 to 4K2K@60 (YUV 4:4:4), interlaced or progressive
- Supports HDR10 to SDR conversion
- Supports line-in mix with HDMI audio & HDMI audio extraction
- Supports USB 3.0 (MJPEG/YUY2) and USB 2.0 (MJPEG)

## CAP-502IM

USB 3.0 full HD Video Capture Device, cost effective version USB type A



### Feature

- HDMI video and audio streams over USB 3.0
- Supports HDMI input up to 4K2K@60 (YUV 4:4:4), interlaced or progressive
- USB bus-powered

## CAP-502MJZ

USB 3.0 Full HD Video Capture Device with HDMI 2.0 loopout USB type A



### Feature

- HDMI 2.0 to 3G/HD/SD-SDI Conversion
- Configurable control from USB port
- USB(micro-b) firmware field-upgradable

## CAP-502MJ

USB 3.0 full HD Video Capture Device



### Feature

- HDMI video and audio streams over USB 3.0
- Supports HDMI input up to 4K2K@60 (YUV 4:4:4), interlaced or progressive
- USB bus-powered

## REC-505M

4K UHD Recorder/Player



### Feature

- Supports HEVC (H.265) & AVC (H.264) main 4:2:0 8 bit compression and decompression.
- Supports stereo audio codec (AAC/192kbps)
- Bitrate up to 120Mbps (H.265)/ 100Mbps(H.264), CBR/VBR
- Codec supports video compression up to 4K60(H.265) / 4K30(H.264).
- Supports playback and record file formats: MP4 (H.265 + AAC) or (H.264 + AAC)
- Supports playback and record file formats: MP4 (H.265 + AAC) or (H.264 + AAC)
- Supports streaming function, RTSP, TCP, UDP, RTP, RTMP, RTMPS, SRT & NDI|HX
- Estimated Record Time: UHD 32GB: 7HR (8Mbps)~1.7HR (32Mbps)
- Supports front panel push button, APP, web interface & IP control.

## CAP-502MJA

USB 3.0 full HD Video Capture Device



### Feature

- HDMI to USB Video Capture/Streaming
- Mixed Audio Support
- Built-in Audio Extraction / Embedding
- USB bus-powered



# MST Hub & Adapter

## SP-4002Z-PT

1x2 DisplayPort 1.2 MST Hub/Splitter with Pigtail Cable



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches DP cable
- Sleek-looking & Stylish Aluminum Case

## SP-4003Z-PT

1x3 DisplayPort 1.2 MST Hub/Splitter with Pigtail Cable



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches DP cable
- Sleek-looking & Stylish Aluminum Case

## SP-4004Z-PT

1x4 DisplayPort 1.2 MST Hub/Splitter with Pigtail Cable



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches DP cable
- Sleek-looking & Stylish Aluminum Case

## SP-4052Z-PT

1x2 DisplayPort 1.2 to HDMI MST Hub/Splitter with Pigtail Cable



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches DP cable
- Sleek-looking & Stylish Aluminum Case

## SP-4152Z-PT

1x2 Mini DisplayPort 1.2 to HDMI MST Hub/Splitter with Pigtail Cable



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches mDP cable
- Sleek-looking & Stylish Aluminum Case

## SP-4053Z-PT

1x3 DisplayPort 1.2 to HDMI MST Hub/Splitter with Pigtail Cable



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches DP cable
- Sleek-looking & Stylish Aluminum Case

## SP-4102Z-PT

1x2 Mini DisplayPort 1.2 to DisplayPort MST Hub/Splitter with Pigtail Cable



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches mDP cable
- Sleek-looking & Stylish Aluminum Case

# Matrix Switcher

## MA-5544V

4K-HDR 4x4 HDBaseT Lite matrix with PoC VLC compression



### Feature

- Connect up to four HDMI source devices and independently distribute any source to any of the four HDMI displays
- Up to 4K @60Hz YUV 4:4:4 8-bit, HDR (at 4K @60Hz YUV 4:2:0 10-bit), HDMI 2.0a, HDCP 2.2/1.4, 18Gbps. Supports up to 7.1-channel digital audio
- 4K2K to 1080p Downscaling – independently supported by each output, meaning a mix of 4K and HD TVs can be supported at their maximum resolutions.
- Audio Extraction – Audio extraction to stereo audio & S/PDIF (RCA) from HDMI loopout
- Switching/Control Options – 1) Push buttons, 2) IR remote, 3) RS-232, 4) Web GUI, 5) IP control, 6) Cloud (Alexa Voice) control, 7) Control4.

## MA-5544V-A

4K-HDR 4x4 HDBaseT Lite matrix with ARC and PoC VLC compression



### Feature

- Connect up to four HDMI source devices and independently distribute any source to any of the four HDMI displays
- Up to 4K @60Hz YUV 4:4:4 8-bit, HDR (at 4K @60Hz YUV 4:2:0 10-bit), HDMI 2.0a, HDCP 2.2/1.4, 18Gbps. Supports up to 7.1-channel digital audio
- 4K2K to 1080p Downscaling – independently supported by each output, meaning a mix of 4K and HD TVs can be supported at their maximum resolutions.
- Audio Extraction – Audio extraction to stereo audio & S/PDIF (RCA) from HDMI loopout
- Switching/Control Options – 1) Push buttons, 2) IR remote, 3) RS-232, 4) Web GUI, 5) IP control, 6) Cloud (Alexa Voice) control, 7) Control4.

## MA-5588V

4K-HDR 8x8 HDBaseT Lite matrix with PoC VLC compression



### Feature

- Connect up to eight HDMI source devices and independently distribute any source to any of the eight HDMI displays
- Up to 4K @60Hz YUV 4:4:4 8-bit, HDR (at 4K @60Hz YUV 4:2:0 10-bit), HDMI 2.0a, HDCP 2.2/1.4, 18Gbps. Supports up to 7.1-channel digital audio
- 4K2K to 1080p Downscaling – independently supported by each output, meaning a mix of 4K and HD TVs can be supported at their maximum resolutions.
- Audio Extraction – Audio extraction to stereo audio & S/PDIF (RCA) from HDMI loopout
- Switching/Control Options – 1) Push buttons, 2) IR remote, 3) RS-232, 4) Web GUI, 5) IP control, 6) Cloud (Alexa Voice) control, 7) Control4.

## MA-5588H4

8x8 HDMI 2.0a matrix with Audio Extractor & ARC



### Feature

- Connect up to eight HDMI source devices and independently distribute any source to any of the eight HDMI displays
- Up to 4K @60Hz YUV 4:4:4 8-bit, HDR (at 4K @60Hz YUV 4:2:0 10-bit), HDMI 2.0a, HDCP 2.2/1.4, 18Gbps. Supports up to 7.1-channel digital audio
- Audio Extraction & ARC – Audio extraction to S/PDIF (RCA) for each HDMI output
- Switching/Control Options – 1) Push buttons, 2) IR remote, 3) RS-232, 4) Web GUI, 5) IP control, 6) Cloud (Alexa Voice) control, 7) Control4.

# Presentation Switcher

## SW-5004DE

HDMI 4x1 Seamless Switcher with Quad-view support



### Feature

- Up to 3840x2160@30 & 21.6Gbps
- 7.1-ch Surround Audio Support
- Display Modes: Mirror, Extend, Panoramic video wall
- Embedded 12.6 inches DP cable
- Sleek-looking & Stylish Aluminum Case

## SW-5009DEZ

9x2 Multi-format Presentation Switcher with HDMI & HDBaseT & UVC Output



### Feature

- HDMI / USB-C / miniDP / DVI / VGA / YPbPr Input
- Supports up to 4K@60 4:4:4 on the HDMI output
- 3.5mm Digital Audio Embedding
- HDBaseT Max. Range: 100m (130ft) at 4K@60Hz (4:4:4)
- Upscales and downscales to / from all resolutions
- Control — IR, RS-232, Ethernet with Web browse

## SW-5005DE

5x2 Multi-Format Presentation Switcher with HDMI & HDBaseT-Lite Outputs



### Feature

- HDMI / VGA / miniDP Input
- Front Panel / IR / WebGUI / RS-232
- Built-in HDBaseT Extension Port
- Front Panel Buttons Lock

## VP-5004MZ2-R

4K UHD Presentation Switcher



### Feature

- Scaled output resolutions of up to 4K@60Hz, 4:4:4;
- Dual Display—Mirror vs. Extended Mode;
- Microphone Input & L/R Stereo Audio Outputs;
- Control—IR Remote, On-Screen Display, RS-232;
- 4K up-scaling/down-scaling engine

# Video Processor

- Videowall
- Multiview

## VW-1404ZH-C

HDMI2.0 1x4 video wall processor



### Feature

- Four HDMI outputs resolutions up to 1920x1200
- HDMI 2.0a & Mini DisplayPort 1.2a supported
- Image-sync to minimize tearing; with fast moving objects
- Built-in bezel correction
- Resize, position, and zoom for each HDMI video output

## VW-1404ZH-G

HDMI2.0 1x4 video wall processor with DP 1.2 input



### Feature

- Four HDMI outputs resolutions up to 1920x1200
- HDMI 2.0a & Mini DisplayPort 1.2a supported
- Image-sync to minimize tearing; with fast moving objects
- Built-in bezel correction
- Resize, position, and zoom for each HDMI video output

### MX-5004MZ2-F

4x2 HDMI 2.0a Quad-View Video Processor with 4K2K60 4:4:4 with front panel



#### Feature

- HDMI 2.0 x4 Input;
- Full & True 4K60 4:4:4 Support
- Supports PIP, PBP, POP, full screen & quad-view Resize, position, zoom & pan and blend output video
- Supports seamless, fade-in-&-out, wipe and dissolve switching
- Supports Background picture & logo update, Window Titles, borders and colored backgrounds

### MX-5004V

4x1 HDMI Quad-Viewer & Seamless Switcher



#### Feature

- 5 Display Modes Available
- Seamless Switching Enabled
- Built-in Audio Extraction
- Control-Front Panel /OSD /IR /Software
- USB(micro-b) firmware field-upgradable

### MX-5004MZ2-UF

4x2 HDMI 2.0a Quad-View Video Processor with 4K2K60 4:4:4 with front panel & USB3.0 FHD Video Capture Function



#### Feature

- HDMI 2.0 x4 Input;
- Full & True 4K60 4:4:4 Support
- Supports PIP, PBP, POP, full screen & quad-view
- Resize, position, zoom & pan and blend output video
- Supports seamless, fade-in-&-out, wipe and dissolve switching
- Supports Background picture & logo update, Window Titles, borders and colored backgrounds
- Supports USB 3.0 FHD Video Capture

### MX-3004MZ2E-CF

4x2 12G-SDI/HDMI 2.0a Quad-View Video Processor with 4K2K60 4:4:4 & USB-C 4K Video Capture Function



#### Feature

- HDMI 2.0 x4 & SDI 12G x4 Input
- Full & True 4K60 4:4:4 Support
- Supports PIP, PBP, POP, full screen & quad-view
- Resize, position, zoom & pan and blend output video
- Supports seamless, fade-in-&-out, wipe and dissolve switching
- Front Panel / OSD / IR / WebGUI / RS-232

# Pro A/V Tool

- Pattern Generator

## MS-5005

HDMI 2.0 Generator / Analyzer



### Feature

- HDMI 2.0(a/b) w/HDR
- HDCP 2.2 (backward compatible)
- Up to 18Gbps Bandwidth
- Large 4.3 touch screen for display and control
- Useful kit for A/V Engineering / Installation Testing