# ConferX™

## AVPro edge BY

# AC-CX100-RAMP
## UNIVERSAL AMPLIFIER WITH HDMI, HDBASET, MICROPHONE AND LINE-IN AUDIO INPUTS

**HDBT™** **HDMI®**
HIGH-DEFINITION MULTIMEDIA INTERFACE

This multi-purpose, compact device serves several functions in today's classroom, conference room and boardroom. It includes an IP controllable 2 channel 25W Amplifier with microphone, line, HDMI and HDBaseT inputs, full 18Gbps throughout (100M HDBaseT 10.2 Gbps). Outputs are scalable from 2K to 4K and 4K to 2K and there are additional audio outputs for recorders, additional amplifiers, audio matrices or other devices. Full EDID management makes setup a breeze and the on-screen display (OSD) provides critical information for the system operator and installer. The AC-CX100-RAMP supports both ARC and eARC so all high bitrate audio codecs are supported. A built-in circuit for eARC automatically detects delay information from the display and corrects time delay up to 170 msec. All of these functions support collaboration for large and small groups!  Welcome to ConferX, the professional choice for video distribution solutions.

## AVPro edge
## AC-CX100-RAMP
## CONNECTION DIAGRAM

4K TV

| HDMI | — |
| CAT 6A | — |
| AUDIO | — |

AC-CXWP-HDMO
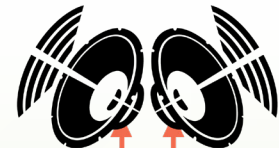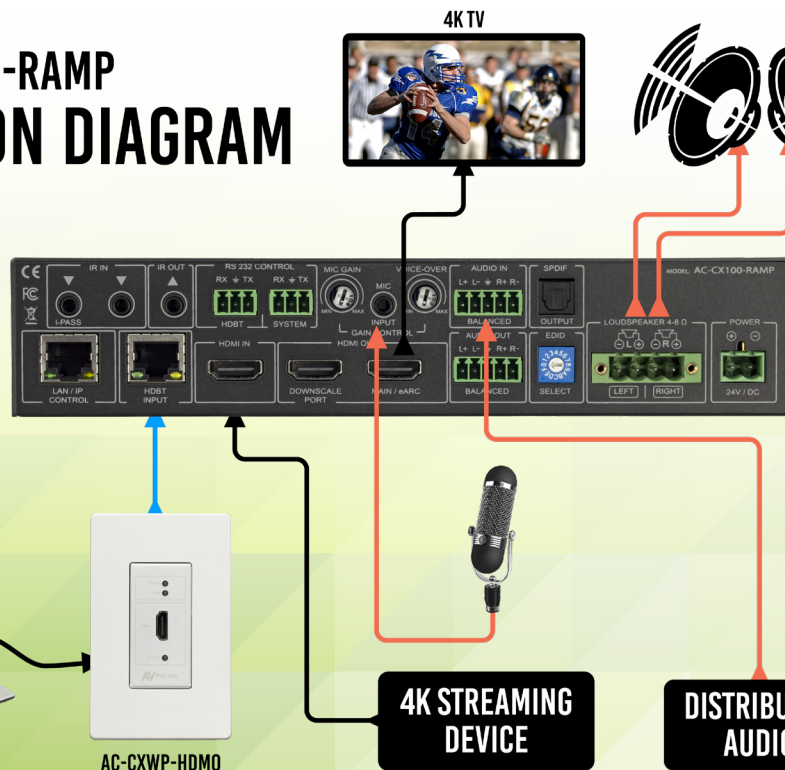
4K STREAMING DEVICE

DISTRIBUTED AUDIO

### SPEAKER AMP FEATURES:
- 30W RMS EACH CHANNEL 4, 6 OR 8 OHMS
- THD+N < 0.1%
- CLICK AND POP FREE STARTUP AND STOP
- > 90% EFFICIENCY
- PROTEC TED OUTPUT FOR CLIPPING/ SHORT CIRCUIT

## VIDEO:

| | |
|---|---|
| VIDEO RESOLUTIONS | UP TO 4K 60HZ 4:2:0 & 4K30 4:4:4 |
| VESA RESOLUTIONS | UP TO 2560X2048 (QSXGA) |
| HDR FORMATS/RESOLUTIONS | 4K24 4:2:2 12 BIT, 4K24 4:2:0 10 BIT |
| COLOR SPACE | YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500) |
| CHROMA SUBSAMPELING | 4:4:4, 4:2:2, 4:2:0 SUPPORTED |
| DEEP COLOR | UP TO 16 BIT (1080), UP TO 12 BIT (4K) |

## AUDIO:

| | |
|---|---|
| AUDIO FORMATS SUPPORTED HDMI | PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGTAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS |
| AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINK) | PCM 2.0 CH, LPCM 6CH, LPCM 7CH, DOLBY DIGTAL, DOLBY DIGITAL PLUS, DTS MASTER AUDIO |
| AUDIO FORMATS SUPPORTED EXTRACTED (2CH) | PCM 2CH |

## DISTANCE:

| | |
|---|---|
| HDMI LEAD IN/OUT (4K60 4:4:4) | UP TO 50 FEET (USING BULLET TRAIN HDMI) |
| HDMI LEAD IN/OUT (W/ AOC CABLE) (4K60 4:4:4) | UP TO 2130 FEET (USING BULLET TRAIN AOC) |
| HDBᴀꜱᴇT (CAT) DISTANCE 1080P | 100M (330 FEET) (WITH CAT 6A/7) |
| HDBᴀꜱᴇT (CAT) DISTANCE4K & HDR | 70M (230 FEET) (WITH CAT6A/7) |

## OTHER:

| | |
|---|---|
| BANDWIDTH (HDMI) | 18 GBPS |
| BANDWIDTH (HDBT) | 10.2 GBPS |
| CEC | YES |
| HDCP | HDCP 2.2 AND EARLIER |

## PORTS:

| | |
|---|---|
| HDMI (INPUT) | TYPE A |
| HDBASET (INPUT) | RJ45 |
| AUDIO (EXTRACTED DIGITAL) | TOSLINK |
| AUDIO (EXTRACTED ANALOG) | BALANCED L/R AUDIO (5 PIN TERMINAL BLOCK) |
| IR | 3.5MM IR IN/OUT AND IR WINDOW ON THE FRONT |
| RS232 | 3 PIN TERMINAL BLOCK |

## CONTROL:

| | |
|---|---|
| PORTS | LAN, RS232, IR WINDOW |
| LAN WEBOS | YES |

## ENVIRONMENTAL:

| | |
|---|---|
| OPERATING TEMPRATURE | 23 TO 125°F (-5 TO 51°C) |
| STORAGE TEMPERATURE | -4 TO 140°F (-20 TO 60°C) |
| HUMIDITY RANGE | 5-90% RH (NO CONDENSATION) |

## POWER:

| | |
|---|---|
| POWER CONSUMPTION (TOTAL) | 60 WATTS MAX |
| POWER SUPPLY | INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 24V 5A |

## DIMENSIONS:

| | |
|---|---|
| DIMENSIONS (UNIT ONLY HEIGHT/DEPTH/WIDTH) | MM: 44.5 X 104 X 220.7 INCH: 1.75 X 4.1 X 8.69 |
| DIMENSIONS (KIT PACKAGED HEIGHT/DEPTH/WIDTH) | MM: 79.5 X 184.2 X 316 INCH: 3.13 X 7.25 X 12.44 |
| WEIGHT (KIT PACKAGED) | 3.4 LBS (1.54 KG) |

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE

## COMPATIBLE PRODUCTS



AC-CXWP-MDP-T
AC-CXWP-HDMO-T
AC-CXWP-VGA-T
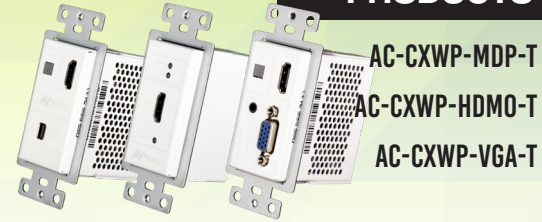
ALL CONFERX SWITCHERS



## FEATURES

- HDMI 2.0 INPUT
- 4K 30 4:4:4, 4K60 4:2:0 HDMI SUPPORT
- HDR 4:2:2 12 BIT SUPPORT
- HDCP 2.2 & EARLIER SUPPORTED
- HDBASET INPUT PORT: 100M (330FT) ON 1080P, UP TO 70M (230FT) ON 4K (CAT6A)
- CEC PASS THROUGH
- STABLE POWER INPUT
- RUGGED, LONG-LIFE CHASSIS
- EDID MANAGEMENT
- DESIGNED FOR THE CONFERENCE/CLASSROOM ROOM SO YOUR CUSTOMER CAN FOCUS ON THEIR MEETINGS, NOT THEIR AUDIO/VIDEO SYSTEM.
- MICROPHONE INPUT AND CONTROL
- AUDIO CHANNEL OVERLAY
- INPUTS: 4K HDMI, 4K HDBASET (100M), MICROPHONE, LINE AUDIO
- OUTPUTS: 2 4K HDMI PORTS 1 SCALABLE AND 1 EARC, AMPLIFIED (25 WATTS PER CHANNEL) 2-CHANNEL AUDIO, LINE AUDIO AND DIGITAL LINE AUDIO
- HDCP 2.2 & EARLIER SUPPORTED
- SUPPORTS UNCOMPRESSED PCM 2- CH., 5.1, 7.1, DOLBY DIGITAL, DTS, DOLBY TRUEHD, DTS HD-MASTER AUDIO, ATMOS.
- FULL 4K60 444:422:RGB CAPABLE FROM AND BETWEEN THE HDMI INPUT TO BOTH HDMI OUTPUTS
- EASY TO USE WEB OS WHICH IS EASILY CONTROLLED ON IPHONE OR ANDROID
- AUDIO DELAY - 170MSEC TOTAL FOR STEREO, AROUND 85MSEC PER CHANNEL