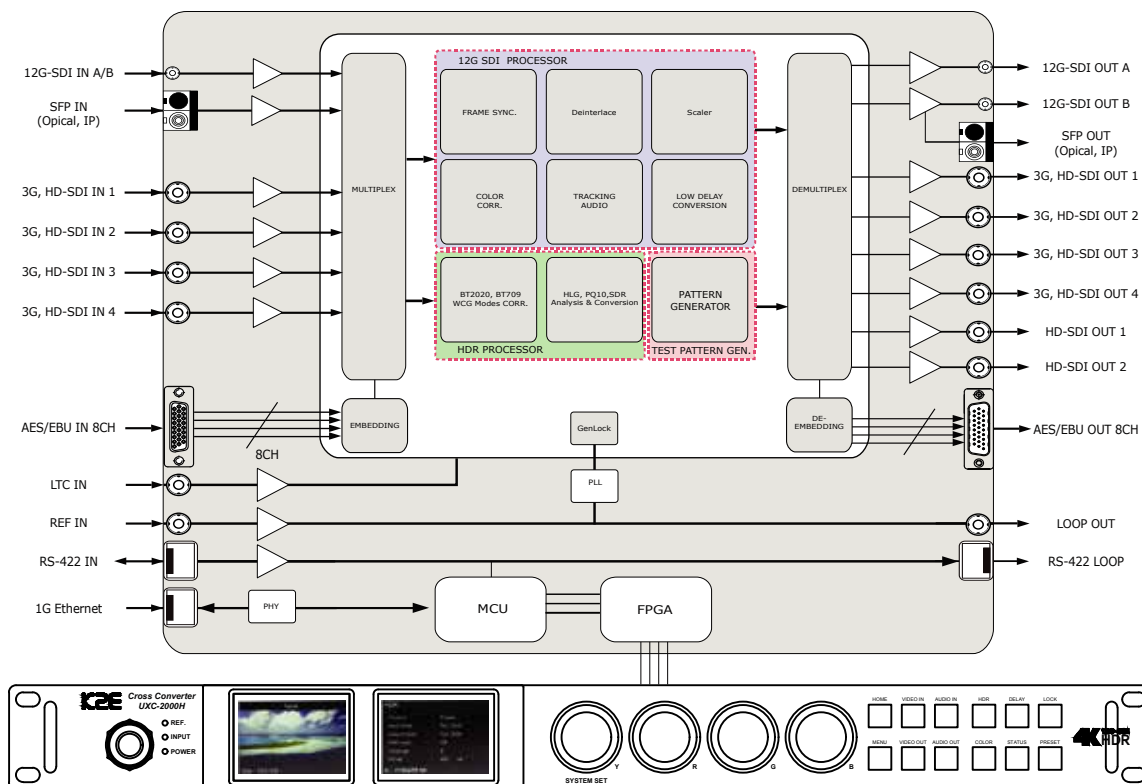




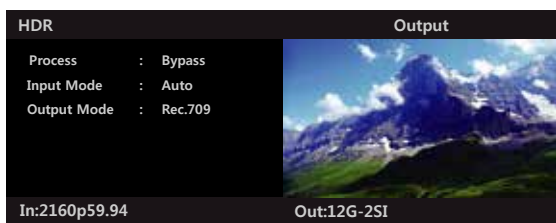
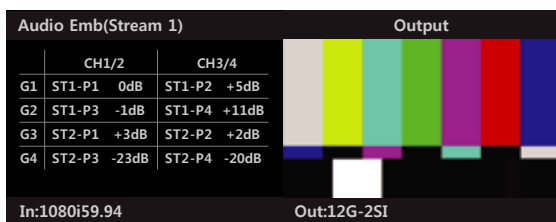
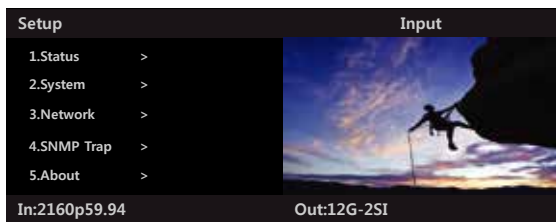
## UXC-2000H / UHD 4K Cross Converter

- UXC-2000H is 4K UHD 12G,3G,HD-SDI & IP Cross Converter and Frame Synchronizer. It convert all kind of Signal to change each other
- Up & Down format Conversion (12G-SDI to 3G/HD-SDI, 3G/HD-SDI to 12G-SDI) and Gear box
- Converts HDR(PQ10, HLG10) to SDR, SDR / HDR(PQ10, HLG10)
- Converts WCG to BT.709, BT.2020
- In case of using System set Knob, to select category or change the setting. SDI Input & HDR Processing acknowledge by LED lights
- In case of using Y set Knob, to set the System and adjusts Luminacne Level
- R,G,B Knobs adjust the Red, Green, Blue Level on Front Panel

## Block Diagram

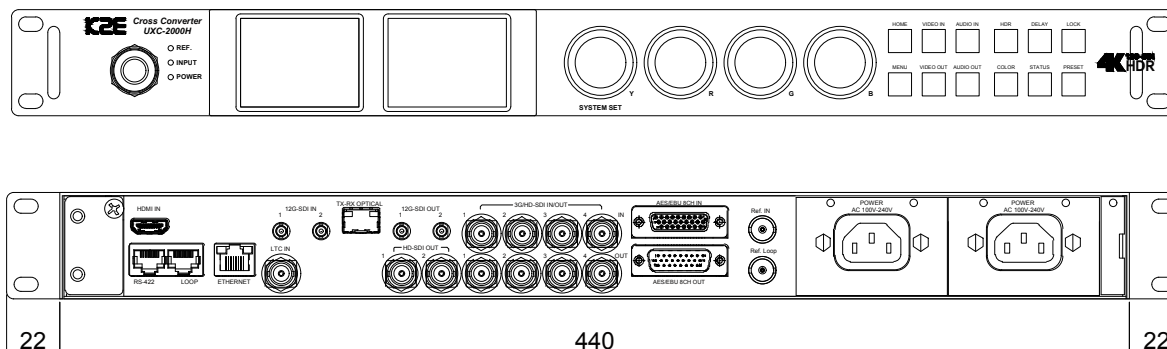


## Feature & Functions

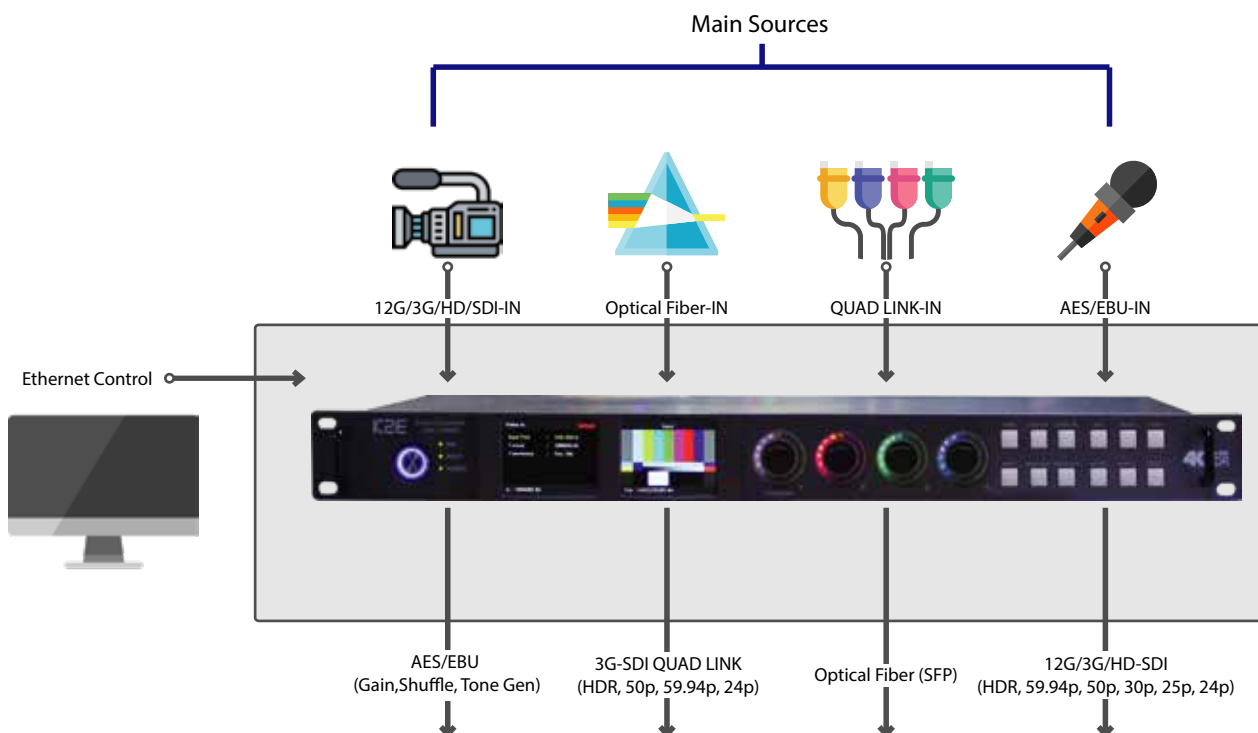


- 12G,3G,HD Cross Convert and Frame Synchronizer.
- Up & Down Format Conversion  
(12G-SDI ⇔ HD,3G-SDI)
- Gear Box 104(12G to 3Gx4), 401(3Gx4 to 12G)
- HDR Conversion : SDR, HLG10, PQ10
- WVG Conversion : BT.709, BT.2020
- Audio Embedding and De-embedding
- CRC Error check
- Color corrector control : SD-nit, Gamma, RGB, Contrast, Brightness, Color
- 12G-SDI Input 2ch, 3G/HD-SDI 4ch, HDMI Input 1ch
- 12G-SDI Output 2ch, 3G/HD-SDI 4ch, HD-SDI (only) 2ch SFP 1ch
- AES/EBU 110 ohm Input 8ch, Output 8ch
- Video H-Delay, V-Delay and Audio Delay control
- R, G, B Color corrector control on front Panel
- 3G / HD-SDI Level A, Level B compliant
- Dual Power System
- User friendly display & Hot buttons
- System controlled by SNMP
- 19 inch standard rack mountable (1RU)

## Dimension



## Signal Processing



## Conversion

SIGNAL CONVERSION			
<b>Up Conversion</b>	720p -> 1080i / 1080p / 2160p	1080i -> 1080p / 2160p	1080p -> 2160p
<b>Down Conversion</b>	2160p -> 1080p / 1080i / 720p	1080p -> 1080i / 720p	1080i -> 720p
<b>Gear Box</b>	3G Quad Split(Level A/B) <-> 2160p		3G Quad 2SI(Level A/B) <-> 2160p
<b>Optical Fiber</b>	Optical <-> 12G/3G/HD-SDI		
<b>Frame Rate</b>	24fps <-> 25fps <-> 30fps <-> 50fps <-> 59.94fps <-> 60fps		



UXC-2000H UHD 4K Cross Converter	
<b>Image</b>	
<b>Number of SDI Input</b>	12G-SDI 2ch 3G/HD-SDI 4ch
<b>Number of HDMI Input</b>	HDMI In 1ch
<b>Number of SDI Output</b>	12G-SDI 2ch 3G/HD-SDI 4ch HD-SDI(Only) 2ch
<b>AES/EBU 110Ω Input / Output</b>	Input 8ch, Output 8ch
<b>Ref. &amp; Loop</b>	Reference Output 1, Loop 1
FUNCTION & SELECTION	
<b>Input Select</b>	12G-SDI/ 3G,HD-SDI A,B,C,D/ Quad/ 2SI/ Optic
<b>Output Select</b>	Up /Down, SDR/HDR, Audio Embed/De-embed, Pattern Generator
<b>HDR In/Out</b>	Auto, BT.709, BT.2020, PQ10, HLG10
<b>Color</b>	SD-nit, Gamma, RGB, Contrast, Brightness, Color
<b>Audio Output</b>	Audio Source Select : SDI, AES/EBU, Tone Generator Tone Generator : Mute, 500Hz, 750Hz, 1KHz, 1.5KHz
<b>Video</b>	Output Select : Disable, Moire, R219, SMPTE-EG1, 75% Color, Multibust, Ramp. Outline Speed Select : Slow, Normal, Fast
COMMUNICATION	
<b>Ethernet</b>	1Port 10/100base-T
<b>System Protocol</b>	K2E Standard
<b>Data Communication</b>	Ethernet or RS-422
STANDARD	
<b>HD</b>	720p50, 720p59.94 1080p23.98, 1080p24 1080p25, 1080p29.97 1080p50, 1080p59.94 1080i50, 1080i59.94
<b>UHD</b>	2160p50, 2160p59.94
<b>Audio</b>	AES/EBU 110Ω
OTHER	
<b>Dimension</b>	484(W) X 44(H) X 240(D)mm
<b>Weight</b>	4.85Kg(10.7lbs)
<b>Power</b>	AC100V - AC240V, 3A