

UMV-2400



UHD 4K MULTIVIEWER

‘Experience the New Vision’



UHD Multi Viewer

UMV-2400 4K UHD supports 12G / 3G / HD-SDI signal.

Auto Detecting Signal and Signal failure.

12CH input(Basic) and 16CH and maximum 24CH input. If Multi-Viewer frame added by loop through, users can extend additional 72ch

Each layer supports Tally and you can specify the name and color.

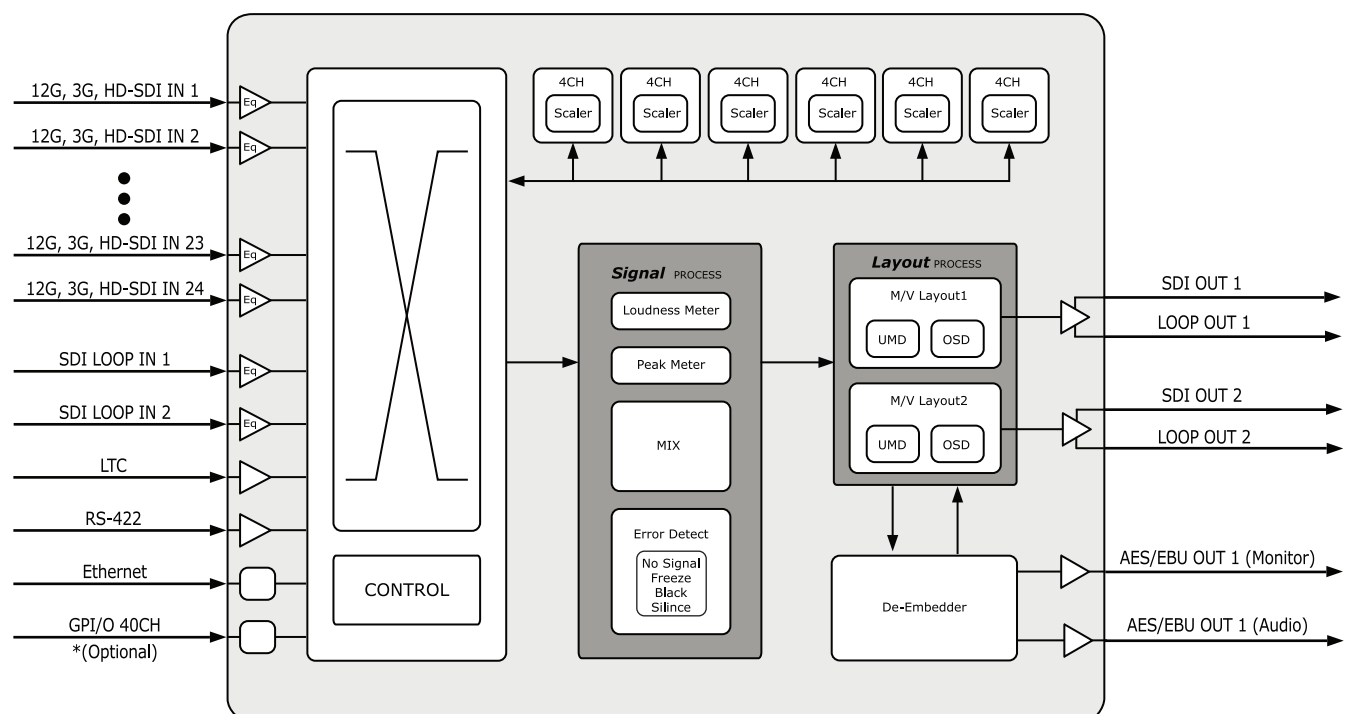
Layouts are configured using the multi viewer PC Manager. Setting from PC manager able detailed setting of audio, video and tally setting.

UMV-2400 / UHD Multi Viewer

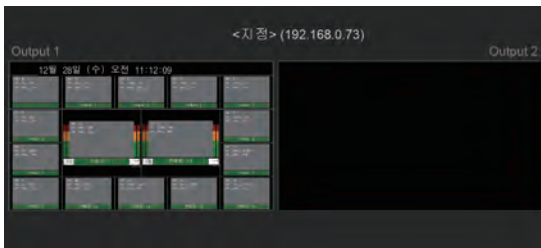


- UMV-2400 is designed for modular and can be fit into Frame individually. There are 7 add-up modules for the basic model designed with different back panel.
- UMV-2400 is UHD Multi-Viewer has 12ch 12G/3G/HD-SDI inputs and can extend maximum 24ch. If you add Multi-Viewer frame, it can be extended maximum 72ch by looping. It support 2ch 12G/3G/HD-SDI Outputs independently.
- It can Check the error from each Stream. You can also notice Error through audio alarm and video alarm functions. Audio alarm detect loss, silence and phase of Singal, and Video alarm detect no signal, CRC check, black, freeze status.

Block Diagram

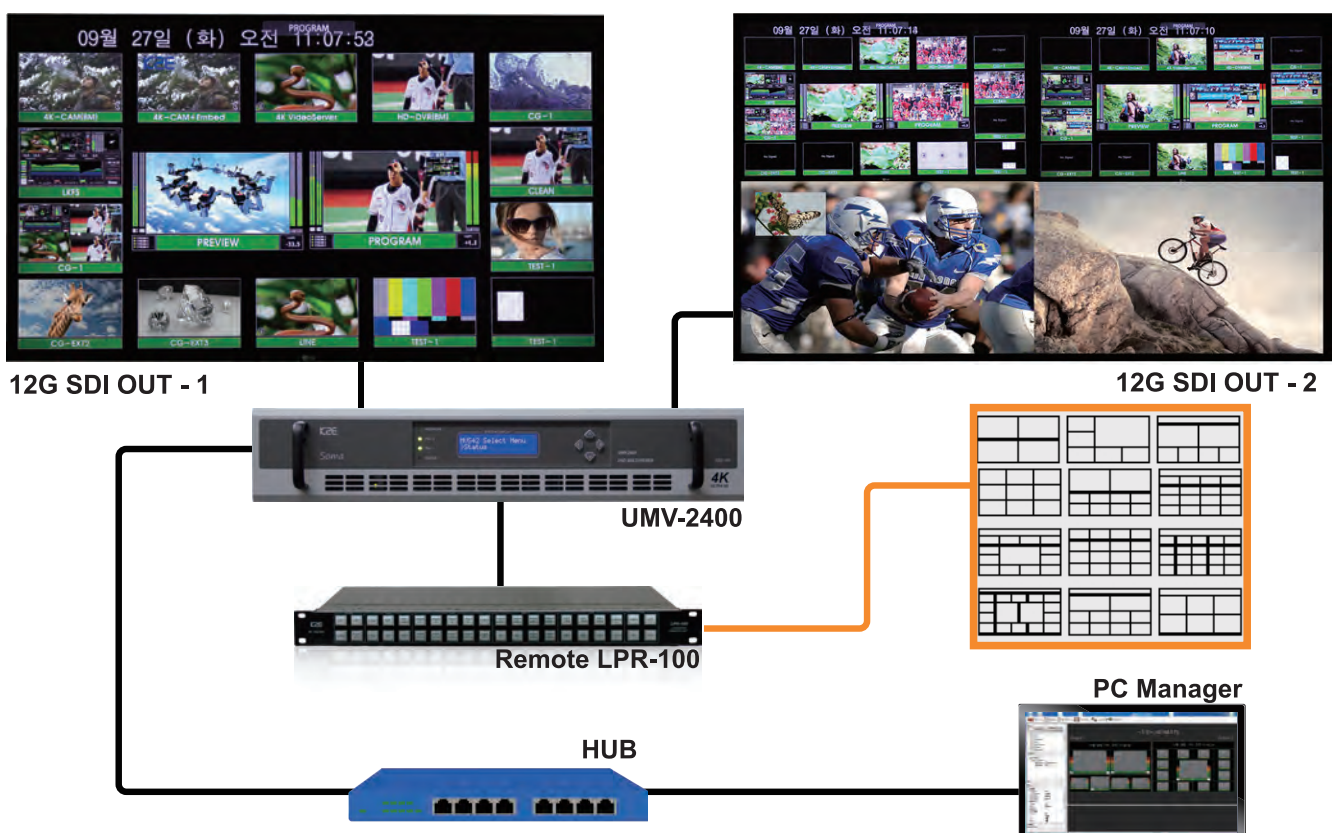


Feature & Functions

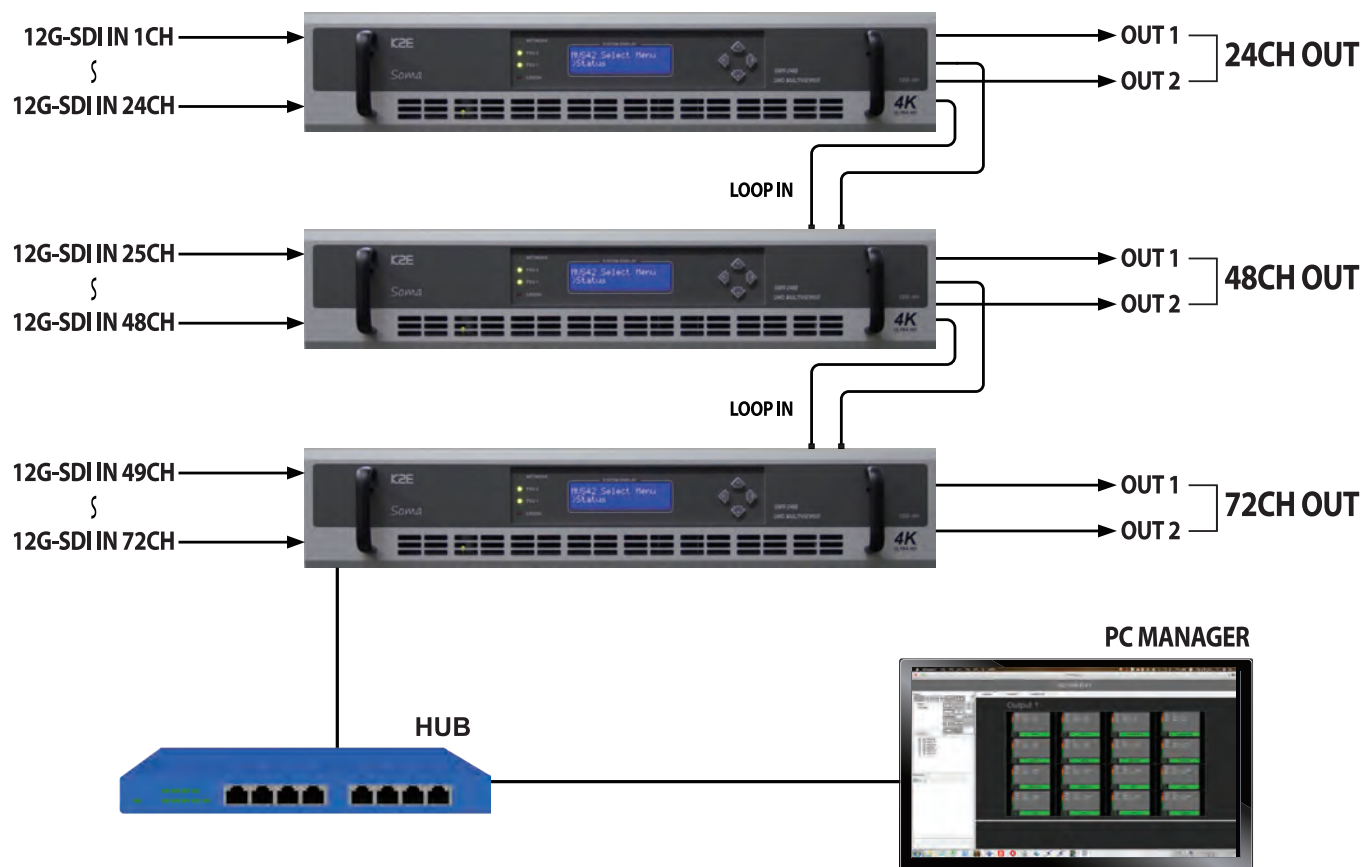


- SDI Input : Basic 12ch, 16ch, Max 24ch
- Multi-viewer Monitoring : 12G-SDI Output 2ch
- Screens division: Up to 24ch
(with Output 1 and Output 2)
- Audio Stream select up to 64ch
- Level Meter display on the screen with Audio and Loudness
- 13 Different presets screen (available to customize)
- Change video scale and switch Screens from Presets function through PC Manger
- Tally System can change color as user select (PGM Color, PVW Coloretc)
- Dual Power Supply
- Support Ethernet & RS-422 and RS-422 Loop
- 19" standard rack mountable (2RU)

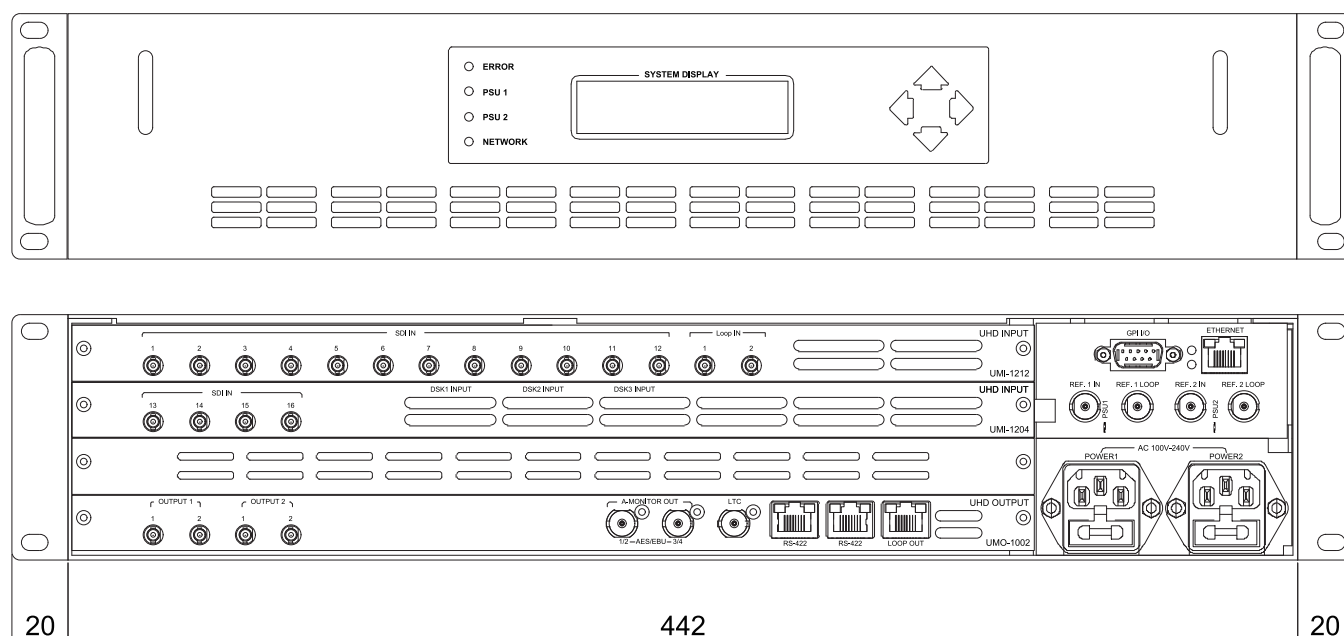
System Diagram



Output Extension



Dimension



UMV-2400 UHD 4K MULTI-VIEWER	
Image	 
SDI	
Number of Input	SDI 12ch Optional: 16ch / 24ch
Equalization	85m at 11.88Gb/s, 200m at 2.97Gb/s, 250m at 1.485Gb/s (Typical maximum equalized length of 5C cable)
Standard	12G, 3G, HD-SDI ST-2082-10, SMPTE242M, SMPTE425M(Level-A, Level-B)
SDI Output	2port of Output 1, 2port of Output 2
AES/EBU	
Number of Output	2 (Impedance 75Ω)
Output Sampling rate	32kHz to 96kHz Asynchronous, 48kHz Synchronous (SRC=Off)
Standard	AES-1992 for balanced synchronous or asynchronous PCM/AES, SMPTE 276M for single ended synchronous or asynchronous PCM/AES
REFERENCE	
Input & Loop	Input 1 & Loop, Input 2 & Loop
HD Sync(Tri-level)	SMPTE274M, SMPTE296M 600mVp-p nominal, 75 ohm terminated through loop
SD Sync(B&B)	PAL Black Burst ITU624-4/SMPTE318, Composite NTSC SMPTE 170M 1Vp-p nominal, 75 ohm terminated through loop
SERIAL Interface RS-422 & Ethernet	
Ethernet	1Port 10/100base-T
RS-422	2 port & loop
Data Format	9600~115200 baud rate
LTC Input	
Number of LTC	1
Input	Linear Time Code per SMPTE 12M-1
Input Level	0.5Vp-p to 5Vp-p
Electrical & Miscellaneous	
Dimension	483(W) X 89(H) X 492(D)mm
Weight	11.5Kg(25.3lbs)



Head Office

20-2, Seoksilro 336beongil, Wabueup,
Namyangjusi, Gyeonggido, Korea 12204

Tel.

+82 2 465 9204

Fax

+82 2 6005 9204

Web

www.k2e.tv