

UMV-1602

UHD STANDARD MULTIVIEWER

- UMV-1602 is UHD Multiviewer has 16ch 12G/3G/HD-SDI inputs.
- Users can experience high-quality performance.
- HDMI Out for Monitoring (Optional)
- 12G-SDI x 16 Inputs/ 2 Outputs
- 19" standard rack mountable (1RU)



Features

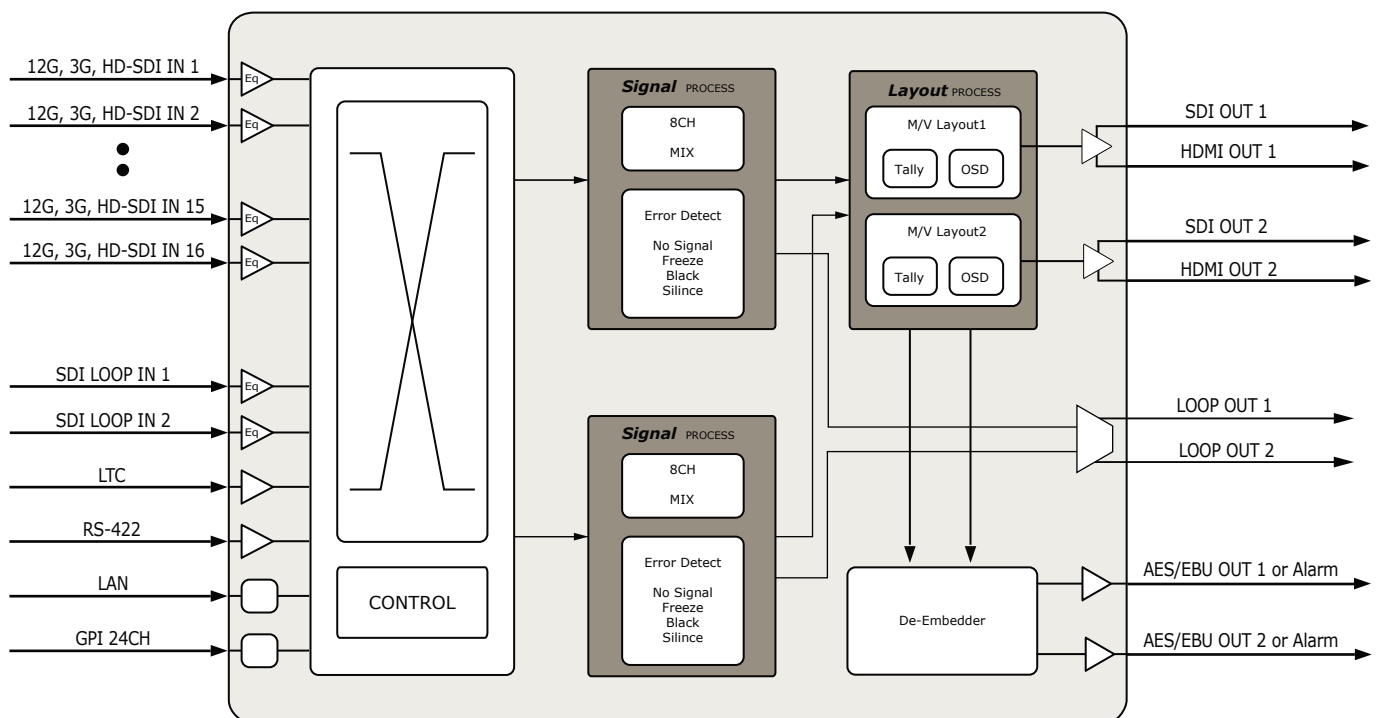
- Multi-Viewing 16ch inputs of 12G,3G,HD-SDI
- Changing Video Scale as user select
- 13 Different Preset Screens (available customize)
- Tally System can change color as user select (PGM Color, PVW Color.. etc)
- GPI available
- Tally function supports
- Support Ethernet & RS-422 and RS-422 LOOP
- Dual Power EIA-1RU Standards
- All signal can be saved to Server by network (TBD)
- Controlled by SNMP

Customize Multiview by PC Manger

- UMV-1602 can control by PC Manager
- Easy installation & convenient access
- Available to customize detail Audio/Video setting



Blockdiagram



UMV-1602

Front

UHD STANDARD MULTIVIEWER



- 20Characters x 2rows LCD Display for full control of frame parameters through intuitive
- Power On/Off Switch supports
- Adjust the Value by using 4 Directional Key
- 4 LED representative Power, Remote, APC, Ethernet

Back



- 12G/3G/HD-SDI Inputs 16ch
- 12G/3G-SDI Outputs 2ch (2 different outputs format)
- Maximum 16ch Display using Output 1 & 2
- GPI 1~24ch
- SDI LOOP Inputs 2ch
- HDMI Outputs 2ch
- AES / EBU Audio Outputs 2ch
- R/T Outputs 2ch
- LTC 1Input, REF 2 Inputs
- RS-422 1 Port, LOOP 1 Port, Ethernet 1 Port
- DC24V/3A 2 In

Specifications

Serial video input

Standard	12G, 3G/HD-SDI ST-2082-10, SMPTE424M SMPTE425M(LEVEL-A, LEVEL-B), SMPTE 292M
Number of input	12G-SDI 16CH
Connector	HD - BNC
Equalization	Typical maximum equalized length of 5C cable: 85m at 11.88Gb/s, 200m at 2.97Gb/s, 250m at 1.485Gb/s

Serial video output / HDMI output

Standard	12G,3G-SDI SMPTE425M(LEVEL-A, LEVEL-B)
Number of outputs	3G/HD-SDI 2CH
Connector	HD-BNC
Signal level	800mV nominal
DC offset	0V ± 0.5V
Overshoot	< 10% of amplitude
Wideband jitter	<0.3UI
Number of HDMI Output	2 Port
HDMI 2.0	4K@50/60, (2160p)

LTC input

Number of Input	1
LTC input	Linear Time Code per SMPTE 12M-1
LTC input level	0.5 Vp-p to 5 Vp-p

Mechanical GPI

GPI Input	1CH~24CH
GPI Input Connector	D-SUB 24Pin

Ethernet & RS-422

Data Communications	Ethernet & RS-422
Data Format	9600 ~ 115200 baud rate
System Protocol	K2E Standard Protocol
Serial Port	1 Port & 1Port Loop
Ethernet	1Port 10/100/1G base-T
Connector	RJ-45

AES output

Connector	BNC
Standard	AES-1992 for balanced synchronous or asynchronous PCM/AES, SMPTE 276M for single ended synchronous or asynchronous PCM/AES
Number of output	2
Sampling rate	32 kHz to 96 kHz asynchronous 48 kHz Synchronous (SRC=off)
Resolution	24 bit
Minimum input/output delay	2 ms
Impedance	75 Ohm
Level	0.2V to 1V nom for Coax operation

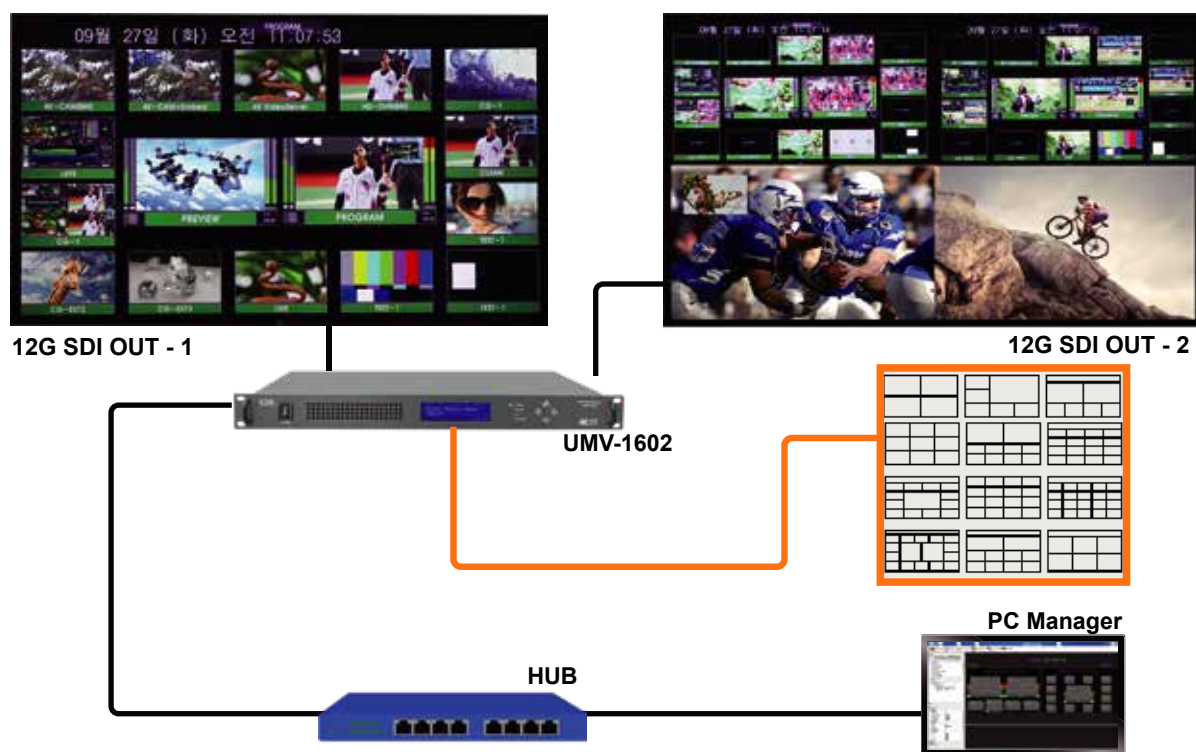
Electrical & Miscellaneous

Input Voltage	DC24V/3A
Weight	2.5kg
Power	W
Operating temperature	0 ~ 40 °C
Dimension	483x285x44mm (WxHxD)

LCD

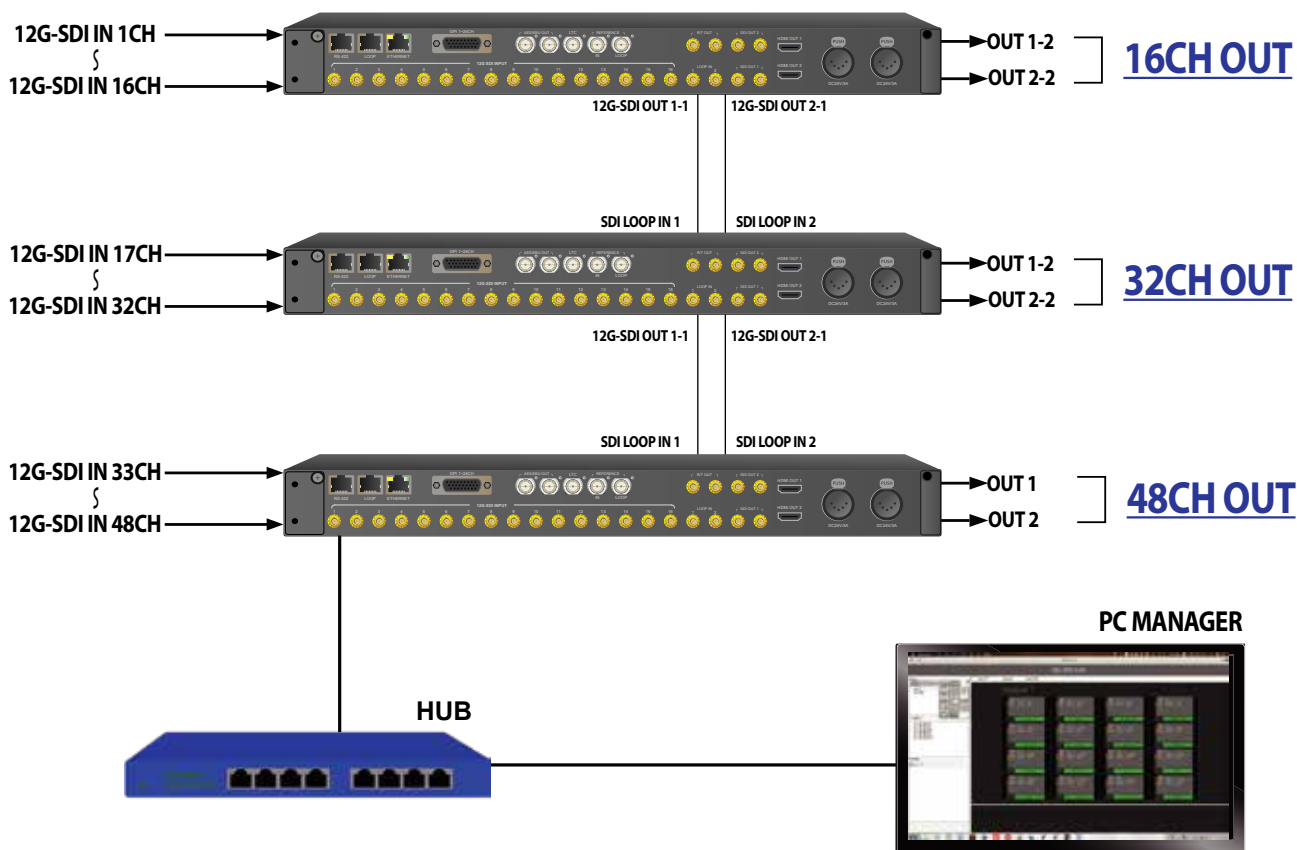
Screen size	20 Characters x 2row
Display resolution	320X240

System Diagram



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Output Extension



12G-SDI IN 1CH
12G-SDI IN 16CH
12G-SDI OUT 1-1
12G-SDI OUT 2-1
OUT 1-2
OUT 2-2
16CH OUT

12G-SDI IN 17CH
12G-SDI IN 32CH
SDI LOOP IN 1
SDI LOOP IN 2
12G-SDI OUT 1-1
12G-SDI OUT 2-1
OUT 1-2
OUT 2-2
32CH OUT

12G-SDI IN 33CH
12G-SDI IN 48CH
SDI LOOP IN 1
SDI LOOP IN 2
OUT 1
OUT 2
48CH OUT

HUB

PC MANAGER