

ULM-1264

VHDM-4216G

VHDM-3108G

UHD 4K Master Multiformat Monitor

‘Experience the New Vision’



UHD 4K Multiformat Monitor

The K2E's Multiformat Monitor can monitor video and audio signal, capable of measuring and analyzing professional broadcasting use. K2E's Video Audio Monitors have 3-type.

ULM-1264 is powerful 4K video analyzing monitor, monitoring 12G / 3G / HD-SDI signal in 8"-LCD. It monitors SDI video with embedded audio, Dolby E, Dolby digital, AC3 and Digital AES/EBU.

VHDM-4216G supports video of 3G / HD / SD-SDI signals and supports all kinds of embedded Audio, Dolby E, Dolby Digital, AC3, Digital AES/EBU with two 5"-LCD.

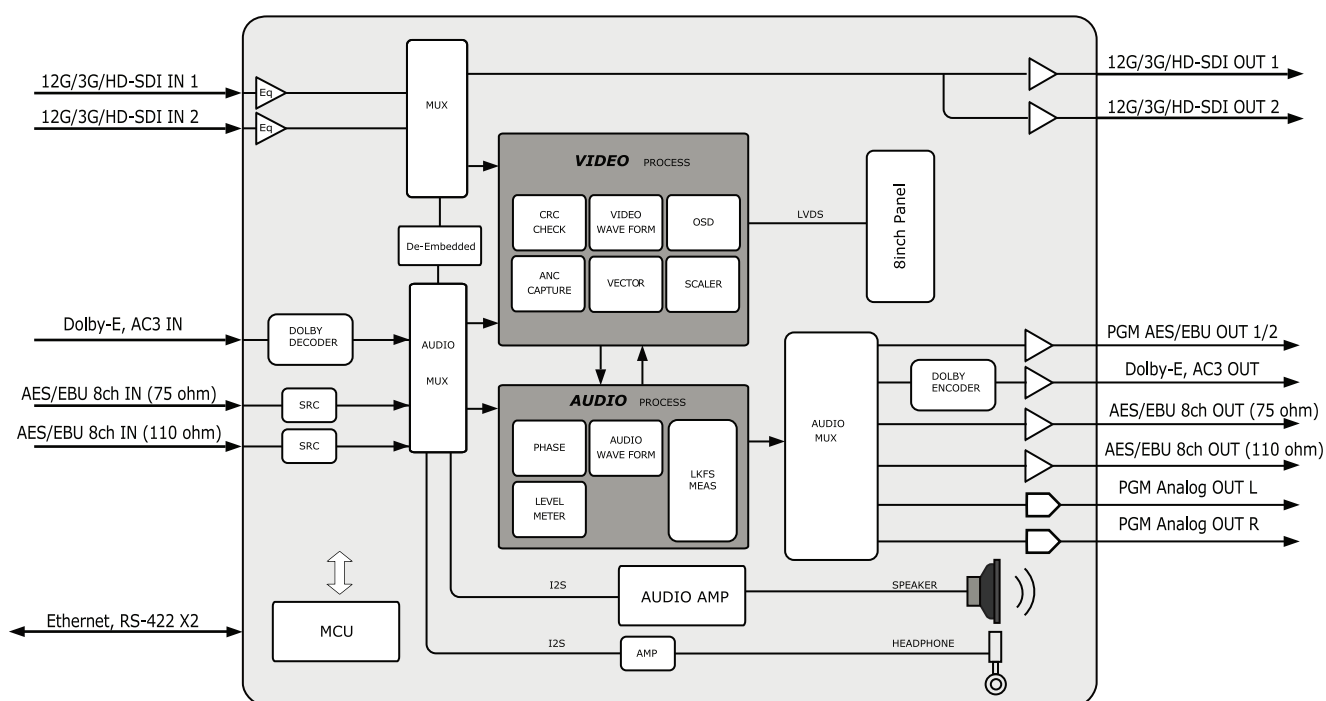
VHDM-3108G supports video of 3G / HD / SD-SDI signals and supports all kinds of embedded Audio, Digital AES/EBU processes audio signals and adopts two 2.4"-LCD.

ULM-1264 / UHD 4K Master Multiformat Monitor

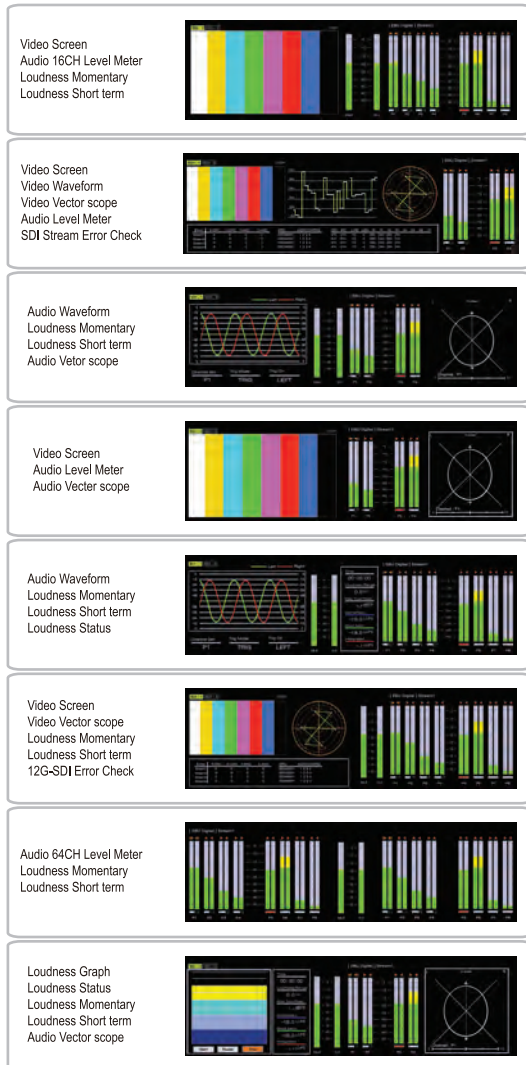


- ULM-1264 is a device that monitors 12G / 3G / HD-SDI signals and adopts 8-inch LCD and supports 9 different display modes for UHD 4K and HD broadcasting
- Powerful signal analyzer for broadcaster. It monitors Y-CRC, C-CRC, Y-ANC and C-ANC of 12G / 3G / HD-SDI signals and can monitor signal without additional measuring equipment
- Monitors Video / Audio Vector-scope, Video / Audio Waveform, CRC Error, ANC Error, Phases, Loudness monitoring in graphic form
- 12G / 3G / HD-SDI 2-channel, AES/EBU 75Ω 8-channel and AES/EBU 110Ω 8-channel, Front Speaker Volume control, balance control, XLR(PGM) out Volume control, Mute, Alarm, Data Save & Load etc
- Audio & Video monitoring analyzing function that 4K broadcast professional

Block Diagram

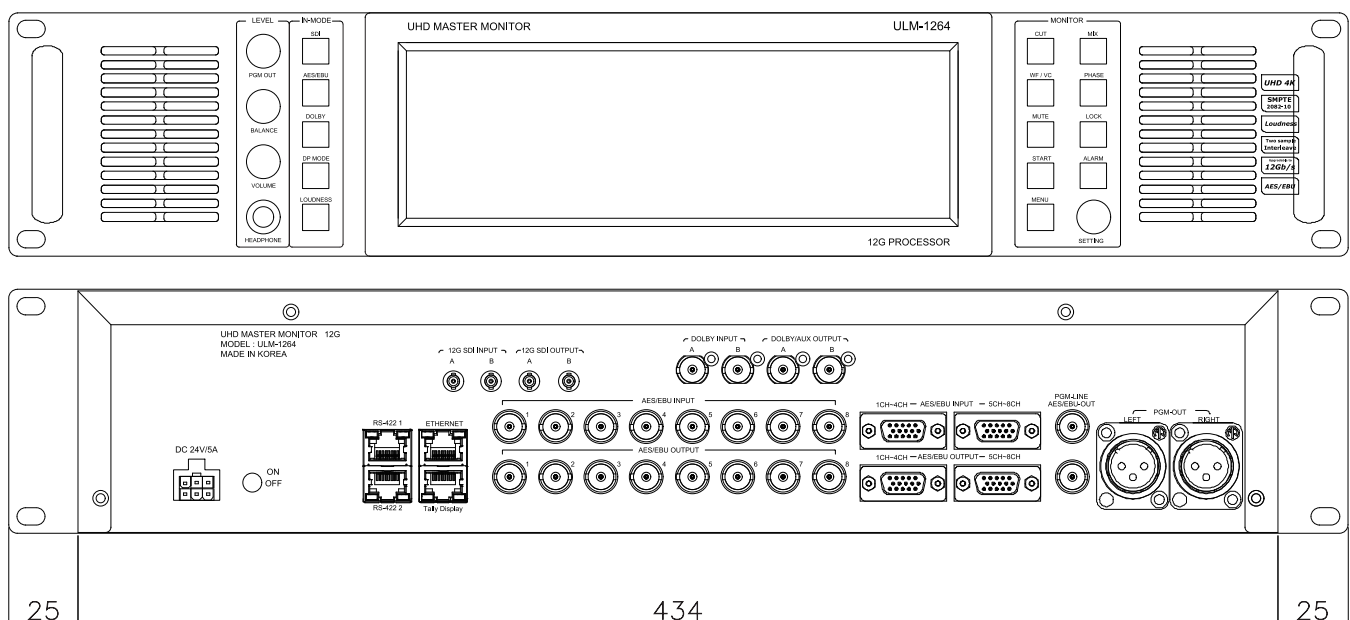


Feature & Functions



- Audio & Video : Waveform / Vector scope
- Audio Loudness Monitoring
- Ability to monitor 12G / 3G / HD / SD-SDI embedded SDI audio, AES/EBU (75Ω, 110Ω)
- Error Detect with audio Alarm :
Phase error, Loss of input, Silence Audio
- Silence detect time adjustment, Silence level adjustment (-20dBFS~-70dBFS)
- Individual alarm enable or disable setting for each input channel is possible
- 12G / 3G / HD-SDI Stream Error Check (Y-CRC, C-CRC, Y-ANC, C-ANC)
- 8" TFT-LCD, Display Resolution : 1600x480
- Graphic Audio 64ch level meters
- Audio Level meter Scale :
SMPTE Digital, EBU IRT, BBC, SMPTE IRT, France VU, Nordic, SMPTE VU, EBU Digital, Expanded DIN, EBU VU, DIN
- L/R Front Speaker, L/R Woofer Speaker
- SNMP system control
- 19" standard rack mountable (2RU)

Dimension

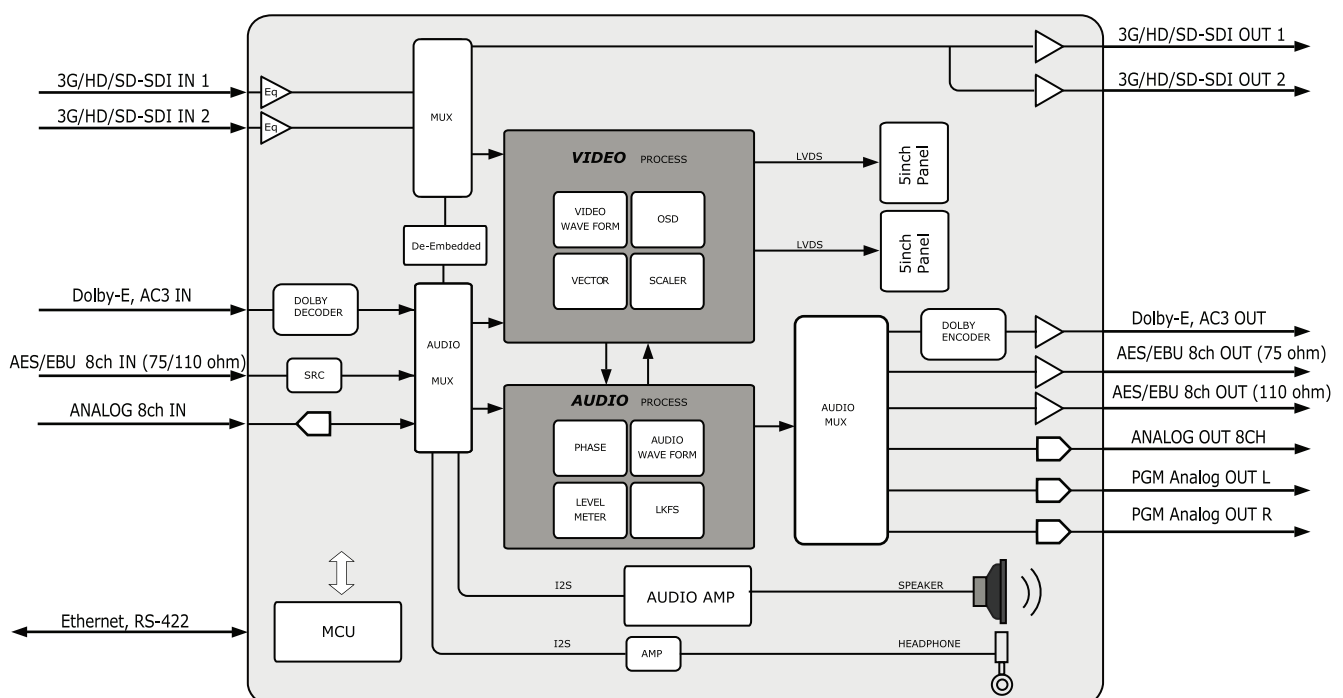


VHDM-4216G / Multiformat Loudness Video Audio Monitor

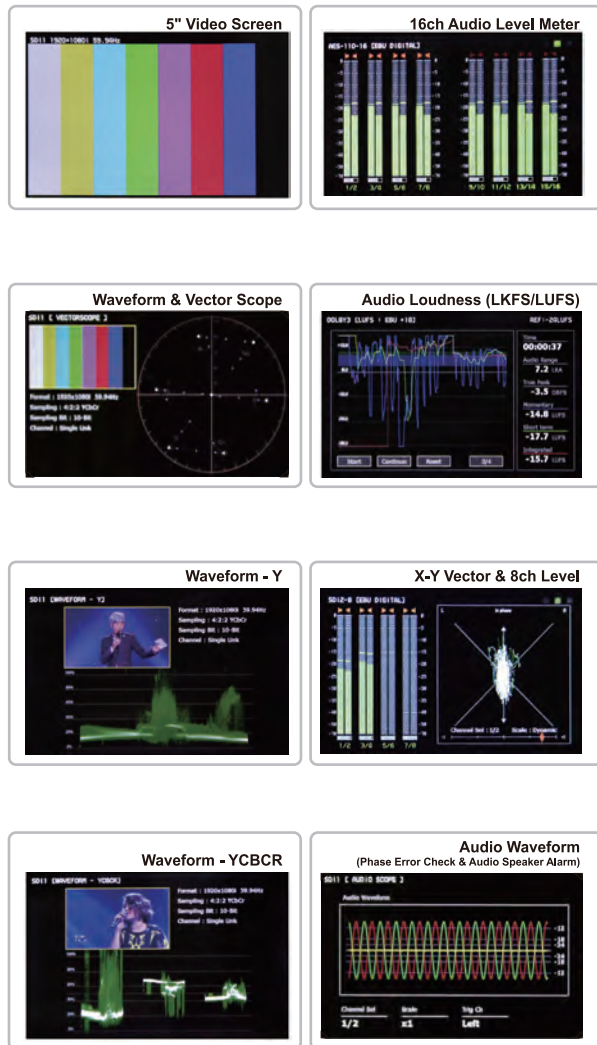


- VHDM-4216G is the audio / video of 3G / HD / SD-SDI signals and supports professional broadcasting Audio, Digital AES/EBU monitor with two 5-inch LCD
- Multiformat Video Audio Monitor Displays Video Vector-scope, Video Waveform, Audio waveform, Phase, Loudness in graphic form and is a device that can link K2E Loudness Tally Display
- 3G / HD-SDI 2-channels, AES/EBU 75Ω 8-channels, AES/EBU 110Ω 8-channels, Analog 8-channels. Audio and Front Speaker Volume control, Mute, Alarm, Data Save & Load etc
- Essential HD Audio Video monitoring function for broadcast professional

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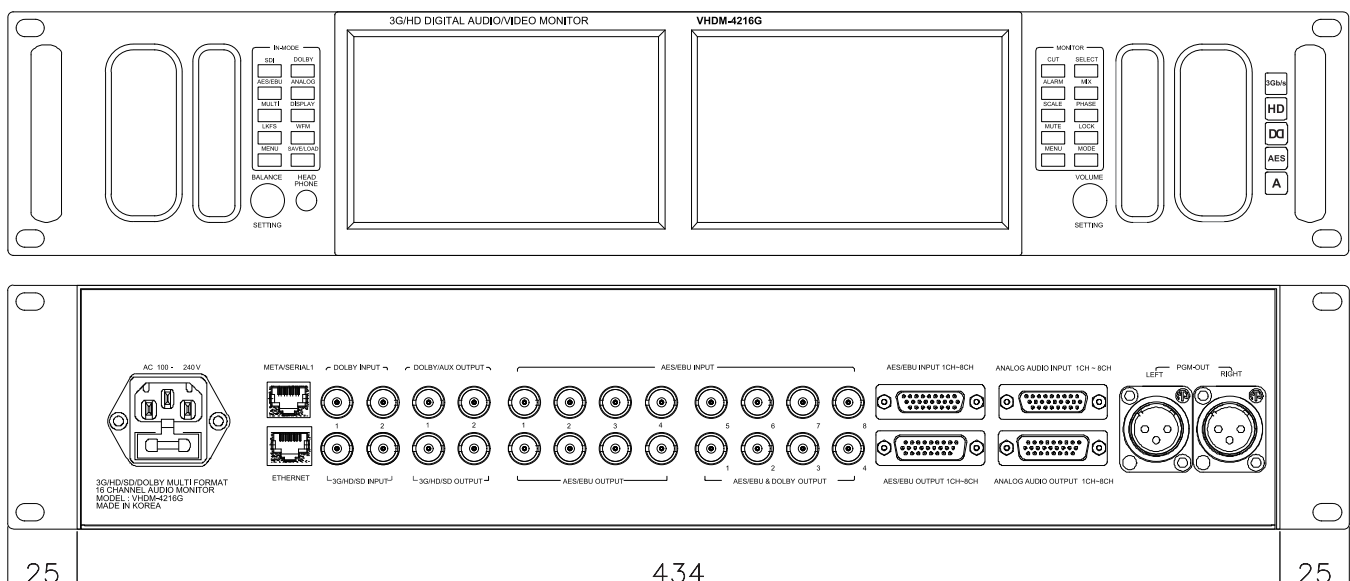


Feature & Functions



- Audio & Video : Waveform / Vector scope
- Waveform-Y, X-Y Vector & 8ch Level
Waveform-Y Cb Cr
- Audio Loudness Monitoring
- Monitor 3G / HD / SD-SDI embedded SDI audio, AES/EBU (75Ω, 110Ω), Analog
- Graphic Audio 16ch level meters
- Error Detect with audio Alarm :
Phase error, Loss of input, Silence Audio
- Silence detect time adjustment, Silence level adjustment (-20dBFS~70dBFS)
- Audio Level meter Scale : SMPTE Digital, EBU IRT, BBC, SMPTE IRT, France VU, Nordic, SMPTE VU, EBU Digital, Expanded DIN, EBU VU, DIN
- L/R Power Speaker (8Ω 5W), L/R Woofer Speaker (4Ω 10W)
- High sensitivity headphone jack
- SNMP system control
- Dual 5" TFT-LCD, Display Resolution : 800x480
- 19" standard rack mountable (2RU)

Dimension

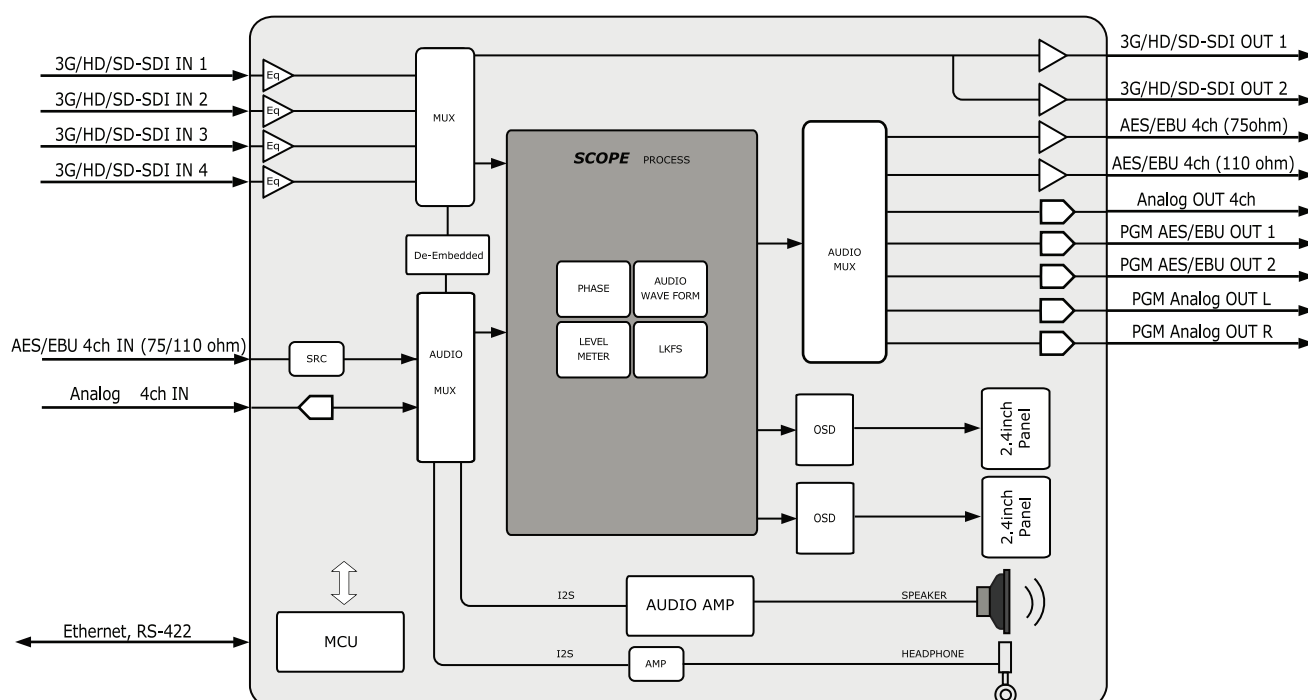


VHDM-3108G / 4ch Loudness Video Audio Monitor

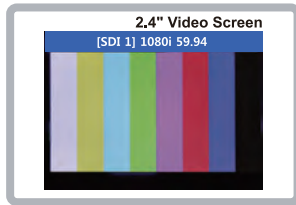


- VHDM-3108G monitor is the audio / video of 3G / HD / SD-SDI signals and it supports professional broadcasting Audio Video, Digital AES/EBU and adopts two 2.4-inch LCD
- Multiformat Video Audio Monitor displays Audio waveform, Phase, Loudness and is a device that can link Tally system
- 3G / HD/ SD-SDI 4 channel, AES/EBU 75Ω 4-channel, AES/EBU 110Ω 4-channel, Analog 4-channel. Audio and Front Speaker Volume control, balance control, XLR(PGM) Volume control, Mute, Alarm, Data Save & Load etc
- 1RU video audio monitor for OB-Van broadcast professional

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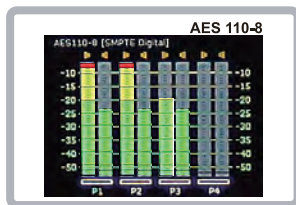
Feature & Functions



- SDI In & AES 110, Analog In & SDI In

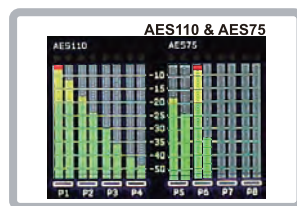
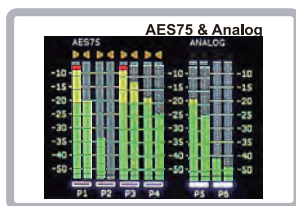
- Audio Loudness, Audio Waveform

- Audio Loudness Monitoring



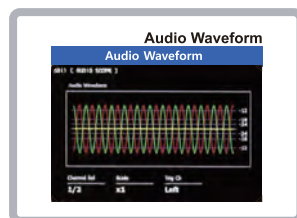
- Ability to monitor 3G / HD / SD-SDI embedded SDI audio, AES/EBU (75Ω, 110Ω), Analog

- Dual 2.4" TFT-LCD, Display Resolution 320x240



- Graphic Audio 16ch level meters

- Audio Level meter Scale : SMPTE Digital, EBU IRT, BBC, SMPTE IRT, France VU, Nordic, SMPTE VU, EBU Digital, Expanded DIN, EBU VU, DIN

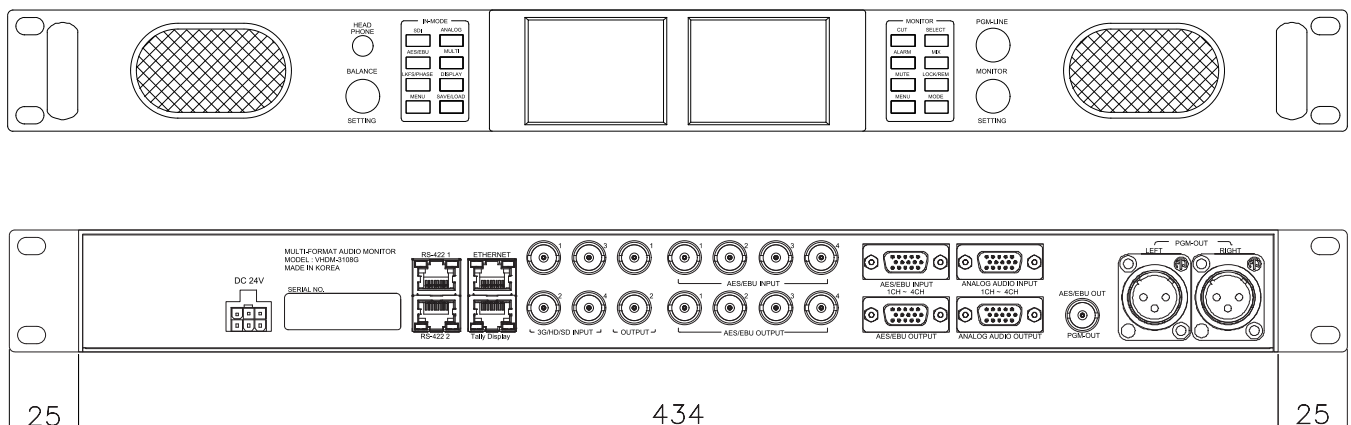


- L/R Front Speaker, L/R Woofer Speaker

- SNMP system control

- 19" standard rack mountable (1RU)

Dimension



AUDIO VIDEO MONITOR			
Image			
Model	ULM-1264	VHDM-4216G	VHDM-3108G
Number of SDI	2	2	4
12G-SDI	2ch	x	x
3G-SDI / HD-SDI		2ch	4ch
SD-SDI			
Analog	x	8ch	4ch
AES/EBU 75 Ω	8ch	8ch	4ch
AES/EBU 110 Ω	8ch	8ch	4ch
Level Meter monitor	16ch	16ch	16ch
Embedded Audio	64ch	16ch	16ch
PGM XLR	Yes	Yes	Yes
PGM Line Out (AES/EBU 75Ω)	Yes	No	Yes
*Dolby(Optional)	AC3, Dolby E	AC3, Dolby E	x
STANDARD			
SD	525i59.94, 625i50	525i59.94, 625i50	525i59.94, 625i50
HD	720p50, 720p59.94	720p50, 720p59.94	720p50, 720p59.94
	1080p23.98, 1080p24	1080p23.98, 1080p24	1080p23.98, 1080p24
	1080p25, 1080p29.97	1080p25, 1080p29.97	1080p25, 1080p29.97
	1080p50, 1080p59.94	1080p50, 1080p59.94	1080p50, 1080p59.94
	1080i50, 1080i59.94	1080i50, 1080i59.94	1080i50, 1080i59.94
UHD	2160p50, 2160p59.94	x	x
Audio	AES/EBU 75Ω	AES/EBU 75Ω	AES/EBU 75Ω
	AES/EBU 110Ω	AES/EBU 110Ω	AES/EBU 110Ω
		Analog Stereo Audio	Analog Stereo Audio (Option)
MONITOR			
Audio	Waveform, Phase	Waveform, Phase	Waveform
Video	Waveform, Vector Scope	Waveform, Vector Scope	Not support
Error Detect	No Signal, Phase, Silence, Y-CRC, C-CRC, Y-ANC, C-ANC	No Signal, Phase, Silence	No Signal, Phase, Silence
OTHER			
Dimension	484(W) X 88(H) X 246(D)mm	484(W) X 88(H) X 313(D)mm	484(W) X 44(H) X 225(D)mm
Weight	4Kg (8Lbs)	5.9Kg (13Lbs)	5.0Kg (11Lbs)
Power	DC 24V	AC 100 ~ 240V	DC 24V

Memo



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