

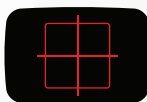


Multi-Format 3G SDI Monitor

BROADCAST DISPLAY



LUT COLOR CALIBRATION



MARKER



VECTOR SCOPE



CLOSED CAPTION



FOCUS ASSIST

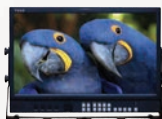
Driving Visual Innovation



9"



16.5"



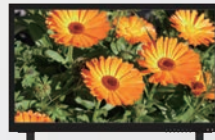
18.5"



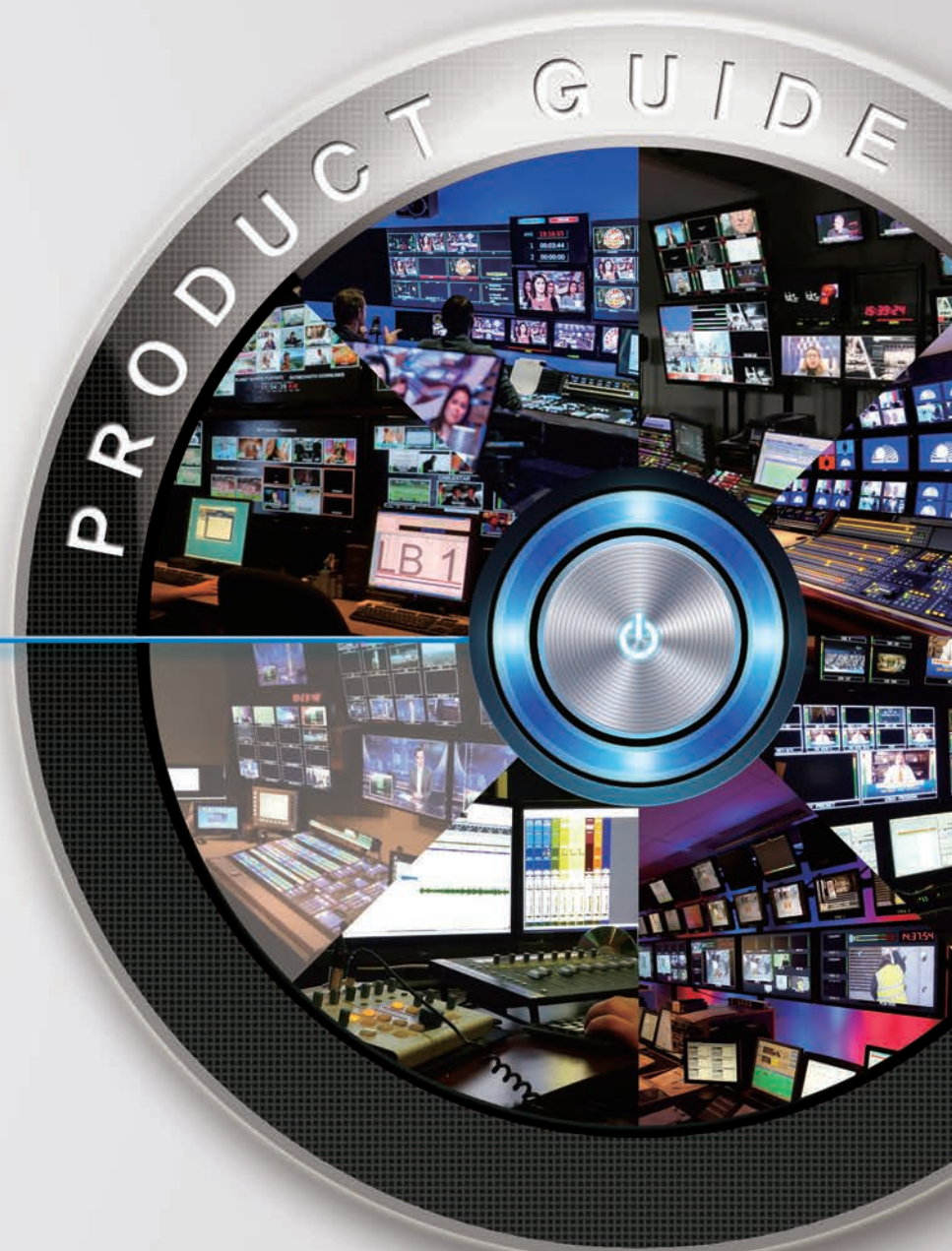
21.5"



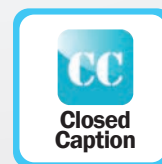
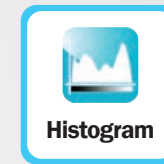
24"



32"





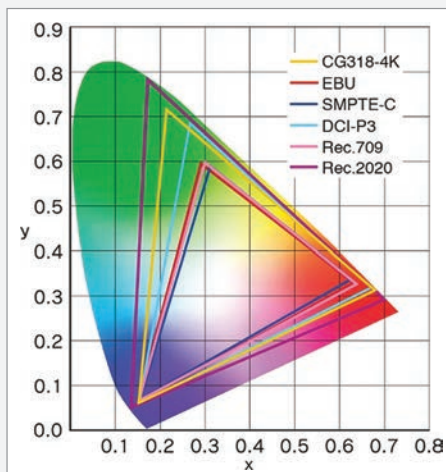


Contents

- WHY Orion
- ADVANCED FEATURES
- MONITOR LINEUP
- VZ-090PM-P / VZ-090RM-P
- VZ-171N (10Bit-3D LUT) **NEW**
- VZ-181N / VZ-181RN **NEW**
- VZ-215PM-P
- 215LEDN/215LEDSN
- VZ-240PM-PL (10Bit-3D LUT)
- VZ-241N (10Bit-3D LUT) **NEW**
- 32LEDN **NEW**
- Orion Accessories

Precise Color

In order to meet the standardized ITU format of high-definition television, ViewZ monitors are individually calibrated for gamma and white balance before shipment. All ViewZ monitors fulfill Rec. 709 standard using illuminant D65 for the white point providing precise and exact color.



One Jog to Control All

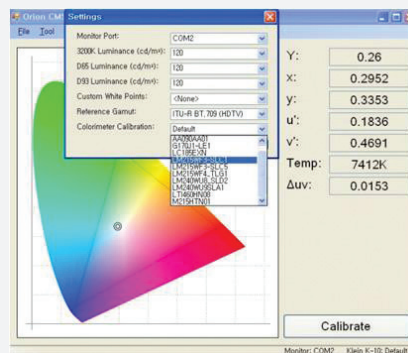
The entire features installed in ViewZ monitors can be controlled using one jog. Users can enter or exit any menu or features without pressing many buttons. You can simply “Turn” and “Click’.



Color Calibration

ViewZ extraordinary color calibration algorithm reduces calibration time but maintains precision.

ViewZ color calibration software works with Klein Research K-10 and X-rite i1 probes referenced by Minolta CS-2000. To overcome the difference in measurement caused by lenses and filters used in probes, ViewZ color calibration applies different colorimeter files to each model written in software algorithm based on panel's characteristics analyzed by CS-2000 spectroradiometer and measured by i1 display and K-10. As a result of this technology, users with i1 display or K-10 can obtain color calibration that is very close to CS-2000 measurement.



K-10



I1 Display Pro



CS-2000

IPS Panel

ViewZ adopts IPS panels from global manufacturers only. With its wide viewing angle, users can enjoy the perfect display from any angle regardless of their position.



TN PANEL



IPS PANEL

Perfect Greyscale

ViewZ broadcast monitor provides the best video algorithm and includes 12bit video processing and LUT. Applying the improved 12bit Look-Up Table, ViewZ enables the high quality dithering technology and presents the greyscale that is almost perfect.



Dithering OFF



Dithering ON





Waveform YCbCr/RGB and large scale display

Waveform overlay presents the brightness and its distribution of video input in real time without any delay.

It is available in Y(Luminance)CbCr(Chrominance) parade and RGB parade.



Audio Level Meter

It presents the peak data of certain time line/table by analyzing the embedded digital audio data in SDI signal. It includes 16ch audio level meter and could be displayed in horizontal and vertical types at various locations on the screen.



Marker

Marker indicates center, safety area, and display ratio with colors users select. It is available in off, 16:9, 4:3, 4:3(on air), 15:9, 14:9, 13:9, 1.85:1, 2.35:1, 1.85:1 and 4:3.



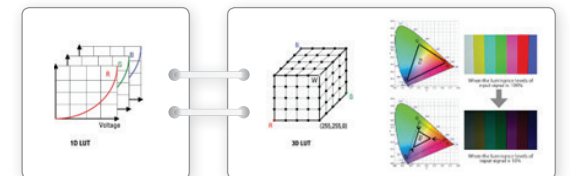
Vector

Vector scope indicates chrominance value of video input on 360° circle. It represents saturation as distance from the center of the circle and color as the angle.



Audio Waveform

Users can view digital audio in waveform by selecting the two channels from SDI embedded 16ch audio data



3D LUT

3D LUT is the color calibration technology that is used in 10bit panel with wide gamut to adjust gamma and white balance for users to calibrate the exact area for the standard gamut.

Users can select color spaces from Rec.709, SMPTE, EBU, DCI, and Adobe and adjust gamma level by 0.1 from the range of 1.0 to 3.0.



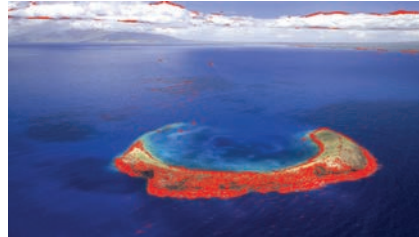
Closed Caption

Closed caption displays the caption data in SDI video line in text basis on real time. viewZ monitors support CC-608 ANC, CC-608 Line21, and CC-708.



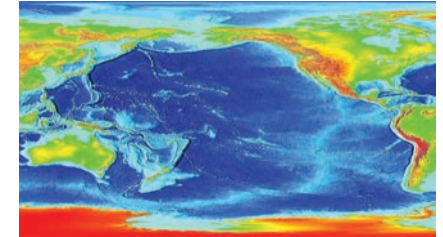
Histogram

Histogram is a bar graph presenting the luminance distribution of the display. As the histogram is concentrated on the right, the display is brighter and vice versa. Users can select for Y, R, G, B.



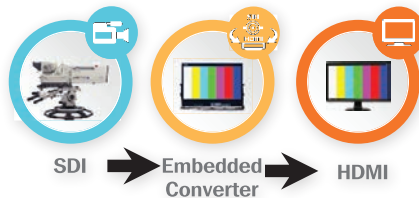
Peaking Focus Assist

It assists users to focus while recording live video by highlighting the sharpest edge of the image. Users can select peaking level to maintain the consistency.



False Color

False color indicates the brightness level and area by mapping them with colors included in the false color palette. In ViewZ monitor red color presents brighter area and blue represents darker area.



Embedded Converter

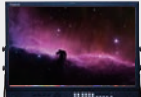
Using SDI to HDMI converter embedded in the monitor, users can send out converted HDMI signal to a consumer level monitor with HDMI input only and view original SDI signal.



Internal Pattern

ViewZ monitors include 100% color bar and white display for user's convenience to test the brightness and color without external devices.

Monitor Lineup

MODEL									
		VZ-090PM-P VZ-090RM-P	VZ-171N	VZ-181N/181RN	VZ-215PM-P	215LEDN 215LEDSN	VZ-240PM-PL	VZ-241N	32LEDN
DISPLAY	SIZE	9"	16.5"	18.5"	21.5"	21.5"	24"	24"	31.5"
	RESOLUTION	960X540	1920X1080	1920X1080	1920X1080	1920X1080	1920X1200	1920X1200	1920X1080
	BRIGHTNESS	400cd/m ²	450cd/m ²	350cd/m ²	250cd/m ²	250cd/m ²	350cd/m ²	400cd/m ²	400cd/m ²
	CONTRAST	1000:1	1500:1	1000:1	1000:1	1000:1	1000:1	1500:1	3000:1
	VIEWING ANGLE	170°/170°	178°/178°	178°/178°	178°/178°	178°/178° 170°/160°	178°/178°	178°/178°	178°/178°
	COLOR DEPTH	16.7M	1.07B	16.7M	16.7M	16.7M	1.07B	1.07B	16.7M
INPUT	SDI	2 X BNC	2 X BNC	2 X BNC	2 X BNC	2 X BNC 1 X BNC	2 X BNC	2 X BNC	2 X BNC
	ANALOG	3 X BNC	3 X BNC	3 X BNC	3 X BNC	3 X BNC	3 X BNC	3 X BNC	3 X BNC
	HDMI	O	O	O	O	O	O	O	O
	DVI		O	O	O	O	O	O	O
	VGA					O			O
OUTPUT	SDI	1 X BNC	1 X BNC	1 X BNC	1 X BNC	1 X BNC	1 X BNC	1 X BNC	1 X BNC
	HDMI(SDI to HDMI)		O	O	O		O	O	
	ANALOG								
ACCESSORY	V MOUNT	O	O	O	O	O	O	O	
	ACRYL PROTECTOR	O	O	O	O		O	O	
	RACK MOUNT KIT	O		O	O	O	O	O	
	CARRYING CASE		O	O	O	O	O	O	O
FEATURE			NATIVE HD 3D LUT	NATIVE HD	NATIVE HD	NATIVE HD	NATIVE HD 3D LUT	NATIVE HD 3D LUT	NATIVE HD
COLOR CALIBRATION		O	O	O	O	O	O	O	O

Multi-Format 3G SDI Monitor

VZ-090PM-P

VZ-090RM-P

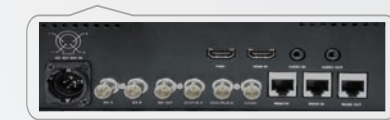
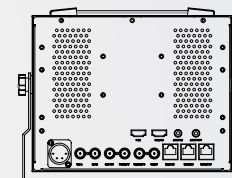
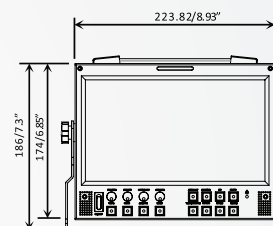
PROFESSIONAL

Features

- Viewz Color Calibration
- 3G-SDI Level A/B (YCbCr , RGB 4:4:4) Support
- SDI Embedded 16CH Audio Level Meter
- 2CH Select Audio Waveform
- Selectable Y/R/G/B Histogram
- Y clip Guide Min/Max Select
- Waveform (YCbCr , RGB), Vectorscope
- Monitor External Control : Remote, RS422(Daisy Chain)
- 2ch SDI Input & Loop through
- False Color(SD/HD-SDI)
- DSLR Scaling (HDMI)
- Focus Assist(SD/HD-SDI)
- Blue Only
- Marker
- Closed Caption
- Time Code
- H/V Delay
- UMD
- Various Scan Modes



Rack Type Available
(VZ-090RM-P)



MONITOR



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Interface

SDI In / Out	2/1
HDMI In	1
Component In	3 (3CVBS, S-Video, Component)
RS-422 In / Out	1/1
RJ-45 In (Remote Control)	1
Audio In / Out (Analog Stereo)	1/1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	8.93 x 6.85 x 1.8
(WxHxD mm)	223.82 x 174 x 45.8
Net Weight	2.5 kg

Audio

Built in Speaker	1Wx2
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Input Format

SDI SMPTE 425M-AB	1080p (60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 274M	1080p(30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
Analog CVBS,S-Video	NTSC(525/59.94i), PAL(625/50i)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	9.0" (IPS)
Max. Resolution	960 x 540 Pixel
Pixel Pitch	0.207mm x 0.207mm
Brightness	400cd / m ²
Contrast Ratio	1000 : 1
Aspect Ratio	16:9
Viewing Angle	170° / 170°
Color Depth	16.7M (8Bit)

General

Power-Electrical Ratings	XLR-4p (DC 12-24V) / AC 100~240V
- Consumption	16W
Warranty - Parts/Labor	2Years
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 - 104°F/0~40°C

Specification subject to change without notice

NEW

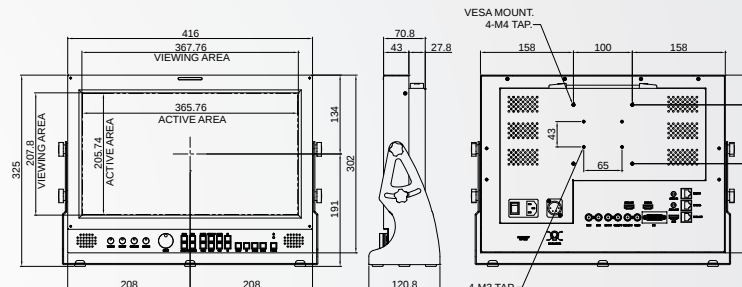
Multi-Format 3G SDI Monitor

VZ-171N

PROFESSIONAL

Features

- Viewz Color Calibration
- 3D LUT
- 3G-SDI Level A/B (YCbCr, RGB 4:4:4) Support
- SDI Embedded 16CH Audio Level Meter
- 2CH Select Audio Waveform
- Selectable Y/R/G/B Histogram
- Y clip Guide Min/Max Select
- Waveform (YCbCr, RGB), Vectorscope
- Monitor External Control : Remote, RS422(Daisy Chain)
- 2ch SDI Input & Loop through
- False Color(SD/HD-SDI)
- DSLR Scaling (HDMI)
- Focus Assist(SD/HD-SDI)
- Blue Only
- H/V Delay
- UMD
- Various Scan Modes
- Marker
- Closed Caption
- Time Code



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Interface

SDI In / Out	2/1
HDMI In / Out	1/1 (SDI to HDMI)
Component In	3 (3CVBS, S-Video, Component)
RS-422 In / Out	1/1
RJ-45 In (Remote Control)	1
Audio In / Out (Analog Stereo)	1/1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	16.37 x 11.88 x 2.78
(WxHxD mm)	416 x 302 x 70.8
Net Weight	6.5 kg

Audio

Built in Speaker	2Wx2
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Input Format

SDI SMPTE 425M-AB	1080p (60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 274M	1080p(30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
Analog CVBS,S-Video	NTSC(525/59.94i), PAL(625/50i)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	16.5" (IPS)
Max. Resolution	1920 x 1080 Pixel
Pixel Pitch	0.1905mm x 0.1905mm
Brightness	450cd / m ²
Contrast Ratio	1500 : 1
Aspect Ratio	16:9
Viewing Angle	178° / 178°
Color Depth	1.07B (10Bit)

General

Power-Electrical Ratings	XLR-4p (DC 12-24V) / AC 100~240V
- Consumption	28W
Warranty - Parts/Labor	2Years
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 - 104°F / 0~40°C

Specification subject to change without notice

Multi-Format 3G SDI Monitor

VZ-181N

VZ-181RN

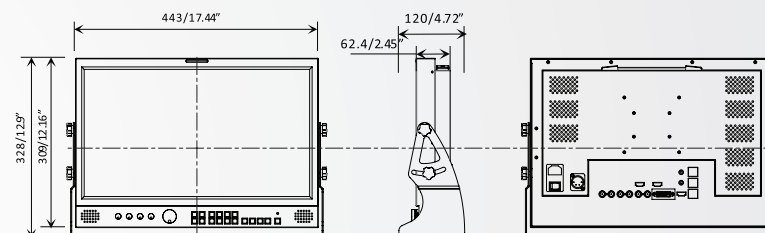
PROFESSIONAL

Features

- Viewz Color Calibration
- 3G-SDI Level A/B (YCbCr, RGB 4:4:4) Support
- SDI Embedded 16CH Audio Level Meter
- 2CH Select Audio Waveform
- Selectable Y/R/G/B Histogram
- Y clip Guide Min/Max Select
- Waveform (YCbCr, RGB), Vectorscope
- Monitor External Control : Remote, RS422(Daisy Chain)
- 2ch SDI Input & Loop through
- False Color(SD/HD-SDI)
- DSLR Scaling (HDMI)
- Focus Assist(SD/HD-SDI)
- H/V Delay
- Marker
- UMD
- Blue Only
- Closed Caption
- Various Scan Modes
- Time Code



Rack Type Available
(VZ-181RN)



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Interface

SDI In / Out	2/1
HDMI In / Out	1/1 (SDI to HDMI)
Component In	3 (3CVBS, S-Video, Component)
RS-422 In / Out	1/1
RJ-45 In (Remote Control)	1
Audio In / Out (Analog Stereo)	1/1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	17.44 x 12.16 x 2.25
(WxHxD mm)	443 x 309 x 57.4
Net Weight	6.5 kg

Audio

Built in Speaker	2Wx2
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Input Format

SDI SMPTE 425M-AB	1080p (60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 274M	1080p(30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
Analog CVBS,S-Video	NTSC(525/59.94i), PAL(625/50i)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	18.5" (AHVA)
Max. Resolution	1920 x 1080 Pixel
Pixel Pitch	0.1mm x 0.3mm
Brightness	350cd / m²
Contrast Ratio	1000 : 1
Aspect Ratio	16:9
Viewing Angle	178° / 178°
Color Depth	16.7M (8Bit)

General

Power-Electrical Ratings	XLR-4p (DC 12-24V) / AC 100~240V
- Consumption	26W
Warranty - Parts/Labor	2Years
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 - 104°F/0~40°C

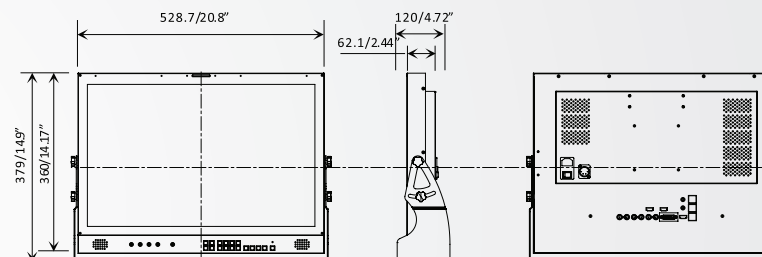
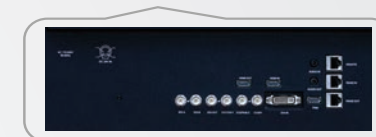
Multi-Format 3G SDI Monitor

VZ-215PM-P

PROFESSIONAL

Features

- Viewz Color Calibration
- 3G-SDI Level A/B (YCbCr, RGB 4:4:4) Support
- SDI Embedded 16CH Audio Level Meter
- 2CH Select Audio Waveform
- Selectable Y/R/G/B Histogram
- Y clip Guide Min/Max Select
- Waveform (YCbCr, RGB), Vectorscope
- Monitor External Control : Remote, RS422(Daisy Chain)
- 2ch SDI Input & Loop through
- False Color(SD/HD-SDI)
- DSLR Scaling (HDMI)
- Focus Assist(SD/HD-SDI)
- Blue Only
- H/V Delay
- Marker
- UMD
- Closed Caption
- Various Scan Modes
- Time Code



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Interface

SDI In / Out	2/1
HDMI In / Out	1/1 (SDI to HDMI)
Component In	3 (3CVBS, S-Video, Component)
RS-422 In / Out	1/1
RJ-45 In (Remote Control)	1
Audio In / Out (Analog Stereo)	1/1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	20.81 x 14.92 x 2.44
(WxHxD mm)	528.7 x 360 x 62.1
Net Weight	7.8 kg

Audio

Built in Speaker	2Wx2
------------------	------

Input Format

SDI SMPTE 425M-AB	1080p (60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 274M	1080p(30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
Analog CVBS,S-Video	NTSC(525/59.94i), PAL(625/50i)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	21.5" (IPS)
Max. Resolution	1920 x 1080 Pixel
Pixel Pitch	0.2475mm x 0.2475mm
Brightness	250cd / m²
Contrast Ratio	1000 : 1
Aspect Ratio	16:9
Viewing Angle	178° / 178°
Color Depth	16.7M (8Bit)

General

Power-Electrical Ratings	XLR-4p (DC 12-24V) / AC 100~240V
- Consumption	36W
Warranty – Parts/Labor	2Years
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 – 104°F/0~40°C

Specification subject to change without notice

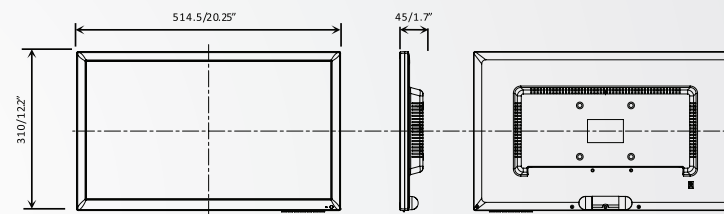
Multi-Format 3G SDI Monitor

215LEDN / 215LEDSN

INNOVATIVE COST

Features

- Viewz Color Calibration
- 3G-SDI 425M-A (YCbCr 4:2:2)
- SDI Embedded 16CH Audio Level Meter
- SDI, HDMI, DVI, VGA, Component (3 BNC)
- SDI Active LOOP-Through
- Marker / Safety Area / Corner
- Blue, Mono
- H/V Delay
- Built-in 2 Speaker
- Zero Scan, Over Scan, Pixel to Pixel
- DPMS Select



Interface

SDI In / Out	2/1 (215LEDSN 1/1)
HDMI In	1
DVI In	1
VGA In	1
Component In	1
Audio In	1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	20.25 x 14.56 x 1.77
(WxHxD mm)	514.5 x 370 x 44.958
Net Weight	3.8 kg

Audio

Built in Speaker	2Wx2
------------------	------

Input Format

SDI SMPTE 425M-A	1080p (60/59.94/50)
SMPTE 274M	1080p(30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	215LEDN : 21.5" (IPS) 215LEDSN : 21.5" (TN)
Max. Resolution	1920 x 1080 Pixel
Pixel Pitch	0.2475mm x 0.2475mm
Brightness	250cd / m ²
Contrast Ratio	1000 : 1
Aspect Ratio	16:9
Viewing Angle	178° / 178°(IPS), 170° / 160°(TN)
Color Depth	16.7M (8Bit)

General

Power-Electrical Ratings	DC12V
- Consumption	36W
Warranty - Parts/Labor	2Years/3Months
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 - 104°F/0°-40°C

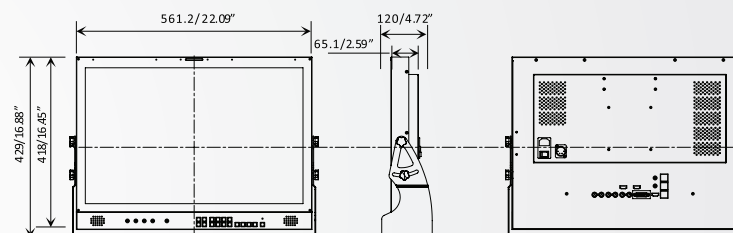
Multi-Format 3G SDI Monitor

VZ-240PM-PL

PROFESSIONAL

Features

- Viewz Color Calibration
- 3D LUT
- 3G-SDI Level A/B (YCbCr, RGB 4:4:4) Support
- SDI Embedded 16CH Audio Level Meter
- 2CH Select Audio Waveform
- Selectable Y/R/G/B Histogram
- Y clip Guide Min/Max Select
- Waveform (YCbCr, RGB), Vectorscope
- Monitor External Control : Remote, RS422(Daisy Chain)
- 2ch SDI Input & Loop through
- False Color(SD/HD-SDI)
- DSLR Scaling (HDMI)
- Focus Assist(SD/HD-SDI)
- Blue Only
- H/V Delay
- Marker
- UMD
- Closed Caption
- Various Scan Modes
- Time Code



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Interface

SDI In / Out	2/1
HDMI In / Out	1/1 (SDI to HDMI)
Component In	3 (3CVBS, S-Video, Component)
RS-422 In / Out	1/1
RJ-45 In (Remote Control)	1
Audio In / Out (Analog Stereo)	1/1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	22.09 x 16.45 x 2.45
(WxHxD mm)	561.2 x 418 x 62.3
Net Weight	8.04 kg

Audio

Built in Speaker	2Wx2
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Input Format

SDI SMPTE 425M-AB	1080p (60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 274M	1080p(30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
Analog CVBS,S-Video	NTSC(525/59.94i), PAL(625/50i)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	24.1" (IPS)
Max. Resolution	1920 x 1200 Pixel
Pixel Pitch	0.270mm x 0.270mm
Brightness	350cd / m ²
Contrast Ratio	1000 : 1
Aspect Ratio	16:10
Viewing Angle	178° / 178°
Color Depth	1.07B (10Bit)

General

Power-Electrical Ratings	XLR-4p (DC 24V) / AC 100~240V
- Consumption	55W
Warranty – Parts/Labor	2Years
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 – 104°F/0~40°C

Specification subject to change without notice

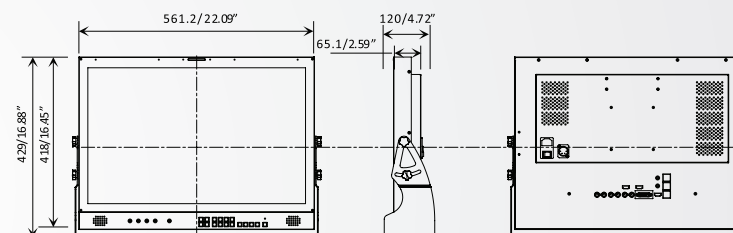
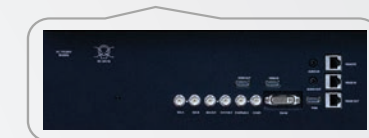
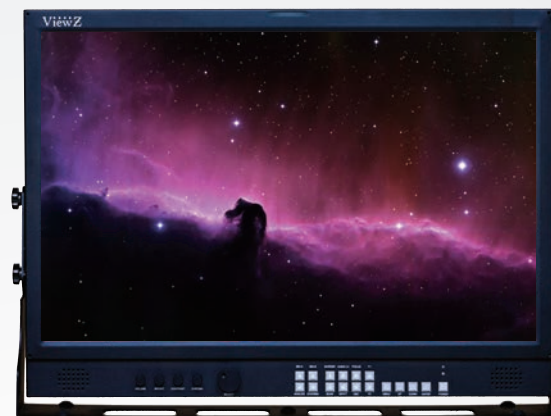
Multi-Format 3G SDI Monitor

VZ-241N

PROFESSIONAL

Features

- Viewz Color Calibration
- 3D LUT
- 3G-SDI Level A/B (YCbCr, RGB 4:4:4) Support
- SDI Embedded 16CH Audio Level Meter
- 2CH Select Audio Waveform
- Selectable Y/R/G/B Histogram
- Y clip Guide Min/Max Select
- Waveform (YCbCr, RGB), Vectorscope
- Monitor External Control : Remote, RS422(Daisy Chain)
- 2ch SDI Input & Loop through
- False Color(SD/HD-SDI)
- DSLR Scaling (HDMI)
- Focus Assist(SD/HD-SDI)
- Blue Only
- H/V Delay
- Marker
- UMD
- Closed Caption
- Various Scan Modes
- Time Code



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Interface

SDI In / Out	2/1
HDMI In / Out	1/1 (SDI to HDMI)
Component In	3 (3CVBS, S-Video, Component)
RS-422 In / Out	1/1
RJ-45 In (Remote Control)	1
Audio In / Out (Analog Stereo)	1/1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	22.09 x 16.45 x 2.45
(WxHxD mm)	561.2 x 418 x 62.3
Net Weight	8.04 kg

Audio

Built in Speaker	2Wx2
------------------	------

Input Format

SDI SMPTE 425M-AB	1080p (60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 274M	1080p(30/29.97/25/24/23.98)
	1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
Analog CVBS,S-Video	NTSC(525/59.94i), PAL(625/50i)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98)
	1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	24.0" (IPS)
Max. Resolution	1920 x 1200 Pixel
Pixel Pitch	0.270mm x 0.270mm
Brightness	400cd / m ²
Contrast Ratio	1500 : 1
Aspect Ratio	16:10
Viewing Angle	178° / 178°
Color Depth	1.07B (10Bit)

General

Power-Electrical Ratings	XLR-4p (DC 24V) / AC 100~240V
- Consumption	45W
Warranty – Parts/Labor	2Years
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 – 104°F/0~40°C

NEW

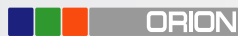
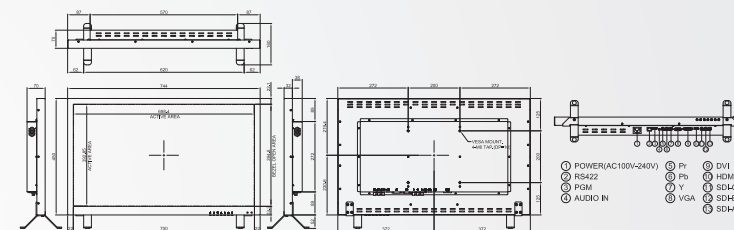
Multi-Format 3G SDI Monitor

32LEDN

INNOVATIVE COST

Features

- Viewz Color Calibration
- 3G-SDI 425M-A (YCbCr 4:2:2)
- SDI Embedded 16CH Audio Level Meter
- SDI, HDMI, DVI, VGA, Component (3 BNC)
- SDI Active LOOP-Through
- Marker / Safety Area / Corner
- Blue, Mono
- H/V Delay
- Built-in 2 Speaker
- Zero Scan, Over Scan, Pixel to Pixel
- DPMS Select



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Interface

SDI In / Out	2/1
HDMI In	1
DVI In	1
VGA In	1
Component In	1
Audio In	1
HDMI In (PGM Download)	1

Dimensions

OutlineDimension (WxHxD Inch)	29.29 x 19.76 x 6.29
(WxHxD mm)	744 x 502 x 160 (With Stand)
Net Weight	12kg

Audio

Built in Speaker	2Wx2
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Input Format

SDI SMPTE 425M-A	1080p (60/59.94/50)
SMPTE 274M	1080p(30/29.97/25/24/23.98) 1080i(60/59.94/50), 1080Psf (30/29.97/25/24/23.98)
SMPTE 260M	1035i(60/59.94)
SMPTE 296M	720p(60/59.94/50/30/29.97/25/24/23.98)
SMPTE 125M	525i(NTSC 59.94)
ITU-R BT.601	625i(PAL 50)
2K Format	2048x1080p(24/23.98/24sF/23.98sF)
COMPONENT	1080p(60/59.94/50/30/29.97/25/24/23.98) 1080i(60/59.94/50), 720p(60/59.94/50)
HDMI	480i/480p/576i/576p/1080i/1080p

Display

Screen Size	31.5" (AHVA)
Max. Resolution	1920 x 1080 Pixel
Pixel Pitch	0.3637mm x 0.3637mm
Brightness	400cd / m ²
Contrast Ratio	3000 : 1
Aspect Ratio	16:9
Viewing Angle	178° / 178°(AHVA)
Color Depth	16.7M (8Bit)

General

Power-Electrical Ratings	AC 100~240V
- Consumption	50W
Warranty - Parts/Labor	2Years/3Months
- MTBF (Approx.)	33,000 Hours
Operating Temperature	32 - 104°F/0~40°C

Orion Accessories

NAME	SIZE & TYPE					REMARK
MOUNT RACK	 9"	 17"	 18.5"	 21.5"	 24"	
AR GLASS	 9"	 17"	 18.5"	 21.5"	 24"	
PROTECTOR FILTER	 9"	 17"	 18.5"	 21.5"	 24"	
BATTERY MOUNT (V-MOUNT)	 9"	 17"	 18.5"	 21.5"		
CARRYING CASE	 17"	 17"	 21.5"	 24"		

NOTE



NOTE



Professional reference display monitors
For broadcast&production



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