

# WFM7120, 7020 & 6120 Waveform Monitor Fact Sheet

## Multi-format, multi-standard solutions



### Features

### Benefits

Audio Display and Session Screens	Audio Loudness Monitoring and Trend Charts
ANC Data Inspector	Automatically detect all ANC data types and display presence, absence and status
AV Delay Measurement	Help prevent Lip-Sync problems with fast, accurate and repeatable out of service AV delay measurements
Industry Leading Gamut Displays	Simplifies maintaining color compliance across a variety of formats and color spaces
Simultaneous EIA608/708 Closed Caption Displays (Multiple Languages for 2 (EIA608) or 2 (EIA708 feeds)	Simultaneously monitor closed caption in multiple languages or monitor 608 & 708 simultaneously
10,000 Event Error Log	Review more material in less time during ingest and QC
Option EYE and PHY	Make it easier and faster to track down SDI signal path problems with automated physical layer measurements

Advanced tools simplify your digital transition

Name	DID/SDID	Presence	Status	Location
299M Ctrl Grp 4	E0/---	Missing	--	--
299M Ctrl Grp 3	E1/---	Missing	--	--
299M Ctrl Grp 2	E2/---	Present	OK	Field 1 / Line 9
299M Ctrl Grp 1	E3/---	Present	OK	Field 1 / Line 9
299M Audio Grp 4	E4/---	Missing	--	--
299M Audio Grp 3	E5/---	Missing	--	--
299M Audio Grp 2	E6/---	Missing	--	--
299M Audio Grp 1	E7/---	Present	OK	Field 1 / Line 54
OP-47 SDP	43/02	Present	OK	Field 2 / Line 12
RP188	60/60	Present	OK	Field 1 / Line 10

  

Detail		View Mode: Watch List	Time Elapsed Since Last Reset: 0 d, 00:22:49
Format: SMPTE 299M Ctrl	Field: 1	Line: 9	Presence: Present
DID: e2	Type: 1	Link: --	Stream: Y
DBN: 200	DC: 11	Stream: Y	Sample: --
Exp/Act Chksum: 110 / 110	Error: OK		
000   201	200	201	200
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ANC Data Inspector

### Intuitive See & Solve™ Capabilities

- FlexVu™ display - Powerful tiling flexibility
- CaptureVu™ technology - Much more than “freezing” a screen
- The most extensive error logging capacity (10,000 events)
- Common displays for all supported formats (audio, Gamut, timing, sessions...) facilitate easy skills transfer

### Support for Emerging Technologies

- Field upgradeable modular support of 3Gb/s, Dual-link, HD and SD SDI
- Dual-link support for all SMPTE 425M formats and 352M payload identification
- Dolby® Surround Sound Display with Dolby Guardband Bar Metering
- 2K XYZ color space and selectable display of alpha channel

# WFM7120, 7020 & 6120 Multi-Format Waveform Monitor

## Key Specifications and Ordering Information

Options Availability		7120	7020	6120
<b>Video</b>				
SD	SD video monitoring	included standard on all models		
HD	HD video monitoring	√	√	
3G <sup>2</sup>	3Gb/s Monitoring	√	√	
DL <sup>2</sup>	Dual-Link Video Monitoring	√	√	
CPS	Composite analog video monitoring	√	√	√
<b>Audio</b>				
AD	Analog/Digital Audio	√	√	√
ALOG	Audio Loudness Session Display with Trend Chart and Audio Loudness data saving capability	√	√	√
DPE	Dolby D, Dolby E, Dolby Plus, Analog and Digital (Embedded and AES) Audio	√	√	√
<b>Measurement &amp; Analysis</b>				
SIM	Simultaneous A/B Input	√		
AVD <sup>1</sup>	Audio-video Delay Measurement	√		√
DAT	In-depth Video data and ANC Data Analysis	√		√
EYE	Eye pattern display, cable length and Jitter measurements	√		√
PHY	Eye Option plus automated eye measurements and jitter waveform display	√		√
JIT <sup>3</sup>	3Gb/s Jitter Measurement	√		

Service Option Description	
C3	Calibration Service 3 Years
C5	Calibration Service 5 Years
R3	Repair Service 3 Years
R5	Repair Service 5 Years



Models	Key Applications
WFM6120	SD Waveform Monitor for monitoring of SD and/or composite analog video plus optional audio monitoring, video data analysis and Eye/Jitter measurement.
WFM7020	Basic Waveform Monitor for applications in 3Gb/s, Dual Link, HD, SD and or composite analog video plus options for Analog, AES digital and Dolby Audio.
WFM7120	High performance monitor with Eye/Jitter and video data analysis, simultaneous inputs and Audio / Video delay measurement options for advanced design, engineering and troubleshooting tasks. Supports applications that involve 3Gb/s, Dual-Link, HD, SD and/or composite video, AES digital, analog and/or Dolby audio.

<sup>1</sup> An Audio Option is required for AVD

<sup>2</sup> Options DL and 3G require HD

<sup>3</sup> Option 3G is required for JIT and it is mutually exclusive of EYE/PHY