

Product Spec Sheet from Rentex

Flanders Scientific 17.3" Professional Video Monitor

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Rentex Product No. XPM0300



Mfr Part No. CM171

The Flanders Scientific CM171 is a lightweight 17.3" Multi-Format reference monitor with 3G/Dual-Link/HD/SD-SDI, Component, Composite, & DVI-I Inputs. This unit features full 12-bit video processing and a native 1920x1080 resolution 10-bit panel capable of reproducing over 1.073 billion colors on screen. The CM171 offers support for virtually any signal format from NTSC/PAL to HD and 2K, including advanced 12-bit, 4:4:4, and XYZ signal formats.

Features

- 17.3" Screen Size
- 10 bit LCD Panel
- 12 bit Processing
- 1920x1080 Native HD
- 3G/Dual-Link/HD/SD-SDI, Component, Composite, & DVI-I Inputs

Detailed Specifications

Screen Size	17.3"
Resolution	1920x1080
Bit Depth (Color)	True 10 bit (1.073 Billion Colors)
Contrast Ratio	1000:1
Backlight	RGB LED
Pixel Efficiency	99.99%
Max Luminance	250nit
Viewing Angle	178°
Audio Disembedding	Yes
Audio Level Meters	Yes
Internal Speakers	2 - Audio In (1); Audio Out (1)
Inputs	1 x DVI-I DVI-I (Analog/Digital) 2 x BNC 3Gbps/Dual Link/HD/SD-SDI 1 x BNC Composite 3 x BNC Component (YPbPr/RGB)
Outputs	2 x BNC 3Gbps/Dual Link/HD/SD-SDI 1 x BNC Composite 3 x BNC Component (YPbPr/RGB)
Power Requirements	100~240 VAC / 12 VDC
DC Power Consumption	28 Watts
Weight	6.4 lbs (2.9 kg)

Supported SDI Formats:

ITU-R BT.656 (PAL)	576i (50)
SMPTE-125M	480i (59.94)
SMPTE-274M	1080i (60/59.94/50) 1080p (30/29.97/25/24/24PsF/23.98/23.98PsF)
SMPTE-296M	720p (60/59.94/50/30/29.97/25/24/23.98)
2K	2048x1080 (30p/30PsF/29.97p/29.97PsF/25p/25PsF/24p/24PsF/23.98p/23.98PsF)
SMPTE-372M	1080p (50/59.94/60) 4:2:2 YCbCr, RGB 1080i (29.97/25/24/23.98) 4:4:4 YCbCr, RGB 1080p (30/29.97/25/24/23.98) 4:4:4 YCbCr, RGB 720p (60/59.94/50) 4:4:4 YCbCr, RGB
SMPTE-425M-AB	12 & 10 bit 4:2:2 1920x1080p (60/59.94/50)
Level A & Level B supported	4:4:4 1280x720p (60/59.94/50/30/29.97/25/24/23.98)
Level B supports 2 x SMPTE	12 & 10 bit 4:4:4 1920x1080i (60/59.94/50)
292M image format mapping	12 & 10 bit 4:4:4 1920x1080p (30/29.97/25/24/24PsF/23.98/23.98PsF)
372M image format mapping	12 & 10 bit 2k (2048x1080)(30p/30PsF/29.97p/29.97PsF/25p/25PsF/24p/24PsF/23.98p/23.98PsF)
RGB, YCbCr, & XYZ supported	*XYZ mapped to Selected Color Gamut on Display Alignment Menu

Supported DVI-I Formats:

DVI-Analog & DVI-Digital	VGA (640x480), NTSC (720x480), SVGA(800x600), XGA (1024x768), SXGA (1280x1024)
DVI Digital Only	1280x720, 1440x900, 1920x1080