

Product Spec Sheet from Rentex

Atomos Shogun Flame 7" 4K HDMI/12-SDI Recording Monitor

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Rentex Product No. **IMGV100**



Mfr Part No. **ATOMSHGFL1**

The Atomos Shogun Flame is a 7", 1920 x 1200 on-camera recording monitor that combines 4K recording with a 10-bit FRC panel that supports native display of HDR (log) footage as well as high brightness viewing of Rec. 709 footage. It utilizes 4K HDMI and 12G-SDI inputs to support clean output signals at resolutions up to UHD 4K (3840 x 2160), recording it to 2.5" SSDs using 10-bit, 4:2:2 Apple ProRes and Avid DNxHR codecs. It even supports DCI 4K (4096 x 2160) raw video streams over SDI from select Sony and Canon cameras, encoding it as ProRes/DNxHR files.

Features

- 1920 x 1200 Touchscreen Display
- 10-Bit FRC Monitor Processing
- 4K HDMI and 12G-SDI Inputs/Outputs
- 1500 cd/m² Brightness
- HDR Mode with 10 Stop Dynamic Range
- High Bright Mode for Rec. 709 Viewing

Detailed Specifications

Display:

Type 7.1" (18 cm) IPS capacitive touchscreen

Resolution 1920 x 1200; 325 ppi

Bit Depth 10-bit (8-bit plus FRC)

Video Aspect Ratio Native: 16:9

Brightness 1500 cd/m²

LUT Support 3D LUT (.cube file format)

Interface:

Inputs 1 x HDMI (1.4b); 1 x 12G-SDI (BNC); 1 x Genlock / LTC (BNC); 1 x 2.5 mm LANC; 2 x XLR (included LEMO breakout cable required)

Outputs 1 x HDMI (1.4b); 1 x 12G-SDI (BNC); 2 x XLR Out (included LEMO breakout cable required) 1 x 3.5 mm headphone jack

Supported Video Format:

Supported Signal Input: 10- / 8-bit 4:2:2 (dependent on video source)
Output: 10- / 8-bit 4:2:2 (dependent on video source)

I/O Resolutions **HDMI:** 2160p 24/25/30; 1080p 24/25/30/50/60/120; 1080i 50/60; 720p 50/60

SDI: 2160p 24/25/30; 1080p 24/25/30/50/60/120; 1080psf 24/25/30; 1080i 50/60; 720p 50/60

Video Signal Conversion **HDMI to SDI:** 2160p 24/25/30; 1080p 24/25/30/50/60/120; 1080i 50/60; 720p 50/60

SDI to HDMI: 2160p 24/25/30; 1080p 24/25/30/50/60/120; 1080i 50/60; 720p 50/60

Encoding Formats **DCI RAW 4096x2160 from Supported cameras (Sony FS700, Sony FS7, Canon C300 MKII, Canon C500):** Apple ProRes HQ, 422, LT; DNxHR HQX, HQ, SQ, LB

UHD 4K (3840 x 2160): Apple ProRes HQ, 422, LT; DNxHR HQX, HQ, SQ, LB

1920 x 1080: Apple ProRes HQ, 422, LT; DNxHD 220x, 220, 145, 36

Pulldown Conversion 24/25/30psf to 24/25/30p (2:2 pulldown) 60i to 24p (3:2 pulldown)

Supported Audio Formats:

HDMI 2 or 8-channel, up to 24-bit (camera dependent)

SDI Up to 12-channel, 48 kHz, up to 24-bit (camera dependent)

Dynamic Range > 90 dB

Signal Level Maximum: +24 dBu

Gain Maximum Analog Gain: +52 dB

Phantom Power +48 V phantom power for XLR inputs

Remote Operation:

HDMI Auto HDMI trigger; Supported Protocols: Canon, Sony, Atomos Open Standard

SDI SDI trigger camera selectable

LANC Supports slave configuration

Recording Media:

HDMI 4K: 2.5" SSD

HD High Frame Rate (50/60/120p):

2.5" SSD; 2.5" HDD (7,200 rpm and up) for 1080p 50/60

HD (30p and less): 2.5" SSD; 2.5" HDD (5,400 rpm and up)

Master Caddy Dock Interface: 2.5" SATA to USB 2.0/3.0

Supported Applications Final Cut Pro X/7+; Avid Media Composer 5.0+; Adobe Premiere 5.5+; Grass Valley EDIUS 6.0+; Sony Vegas Pro 10+; Lightworks; Autodesk Smoke 2015

XML Support FCPX XML native, FCP7 supported with conversion (Adobe compatible)

General:

Power Requirements 6.2 to 16.8 VDC (battery or DC power input)

Power Consumption 10 to 24 W

Supported Battery Types 2 x Sony L-series

Battery Life 5200 mAh: up to 1.5 hours (monitor and record 4K); 7800 mAh: up to 2.2 hours (monitor and record 4K)

Construction ABS polycarbonate

Dimensions 8.4 x 5 x 1.8" (21.4 x 12.7 x 4.5 cm)

Weight Without Batteries & Media: 1.4 lb (0.65 kg); With Batteries & Media: 2.4 lb (1.09 kg)