

# Product Specifications

## VP83F Camera-Mount Shotgun Microphone + Integrated Flash Recording

### Overview

The VP83F is a compact, rugged microphone with integrated digital flash recording for high-definition audio capture with DSLR cameras and HD camcorders. Developed with a highly directional supercardioid/lobar polar pattern, the VP83F provides superior off-axis rejection and delivers natural audio reproduction. An integrated, custom-designed Lyre® shock mount (exclusively developed with Rycote®) provides robust isolation from vibration and mechanical noise.

### Features

- Detailed high-definition audio with full low-end response
- Supercardioid/lobar polar pattern rejects unwanted off-axis audio
- Integrated digital flash recording (MicroSDHC, up to 32 GB)
- Uncompressed WAV file capture at 24-bit/48 kHz sampling rate
- Dedicated headphone audio output for real-time headphone monitoring
- Fully adjustable user gain (up to 60 dB in 1 dB increments)
- Intuitive menu and controls
- Integrated Lyre® shock mounting system
- 10 hours of battery life (while in record mode) from 2 AA alkaline batteries (included)
- Standard size shoe mount with ¼" threaded base
- Durable all-metal construction with superior RF immunity



VP83F

### Available Models

<b>VP83F</b>	VP83F Camera-Mount Shotgun Microphone + Integrated Flash Recording (2 AA alkaline batteries included)
<b>VP83F-AR</b>	VP83F Camera-Mount Shotgun Microphone + Integrated Flash Recording (no batteries included, for Argentina)
<b>VP83F-CHN</b>	VP83F Camera-Mount Shotgun Microphone + Integrated Flash Recording (2 AA alkaline batteries included + China labeling)

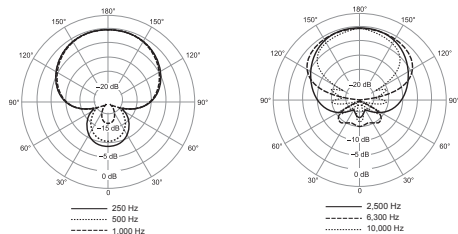
### Specifications

Type	Electret Condenser
Frequency Response	50 to 20,000 Hz
Recording Format	WAV, 24-bit, 48 kHz Sampling Rate
Polar Pattern	Supercardioid/lobar
Camera Output Impedance	47 Ω
Headphone Output Impedance	5 Ω
Sensitivity	0 dB Gain: -35.8 dBV/Pa <sup>11</sup> (16.2 mV) open circuit voltage, @ 1 kHz, typical +30 dB Gain: -5.8 dBV/Pa <sup>11</sup> (512.9 mV)
Maximum SPL	129 dB SPL
1 kHz at 1% THD	
Signal-to-Noise Ratio <sup>31</sup>	78 dB
0 dB Gain Setting, 1 kHz at 1% THD 1000 (ohm symbol) load	
Self Noise	15.6 dB SPL-A
equivalent SPL, A-weighted, typical +30 dB Gain Setting	
Operating Temperature Range	-18°C (0°F) to 60°C (145°F)
Storage Temperature Range	-29°C (-20°F) to 74°C (165°F)
Operating Relative Humidity	0 to 95%
Housing	Cast aluminum
Power Requirements	2 AA batteries (Alkaline, NiMH, Rechargeable Li-Ion)
Camera Connector Type	3.5 mm (1/8") dual mono, unbalanced
Headphone Connector Type	3.5 mm (1/8") dual mono
Battery Life	10 hours (record mode) from 2 AA alkaline batteries
Net Weight	215 g (7.6 oz)

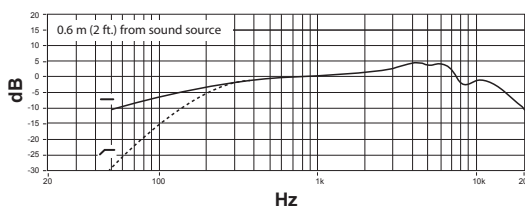
### Optional Accessories

<b>A83-FUR</b>	Fur Windjammer® for VP83 and VP83F	<b>A83W</b>	Foam Windscreen for VP83 and VP83F
----------------	------------------------------------	-------------	------------------------------------

Polar Pattern



Frequency Response



**SHURE**®

LEGENDARY  
PERFORMANCE™