weiss AG

Civetta
**F-Series
Technical Information**

*The Civetta is a fully automated - one button - 360°
camera creating 230 Megapixel full spherical 32-bits High
Dynamic Range (HDR) images. As a result, if you are in 360°
photogrammerty there is no better technology you can buy.*

Camera

Resolution	230 megapixels
Dimensions	320 X 250 X 170 mm
Weight	5.7 kg including batteries, tripod adapter and lens
Time to set-up	several seconds
Remote control	Class 1 up to 200 meters in open field
Recording time for one HDR 360° image	40 seconds
Vertical field of view	180 °
Horizontal field of view	360 °
Focus area	0.3 meters − ∞
Output format	8-bits .jpg and 32-bits .exr

3D Photogrammetry

Accurancy	+- 1 mm (within a diameter of 10 meters)
	+- 3 mm (within a diameter of 20 meters)
Stereo photogrammetry	Pre-calibrated measurements in 360 ° images
Stereo reconstruction	3D reconstruction to point cloud, mesh and orthophoto with 8-bits and 32-bits texture

Physical Specification

Body material	Anodized aluminum
Working temperature	-10 ° C to 50 ° C (14° F to 122° F)
Relative humidity	85% or less humidity

Lighting Requirements

Integrated LED flash	Up to 20 meters (scene dependent)
Natural light conditions	HDRI operations for all lighting conditions

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The Civetta is supplied as a plug-and-play solution and contains all the hardware and software tools to start working instantly. The dimensional design and use of NiMH batteries make the device perfect for air travel.

Power source

Battery	Internal Nickel–metal hydride battery (NiMH)
Battery specification	Internal batteries consisting of 10 industry grade size C cells, 12 V nominal Voltage with 5000 mAH
Operation time	Up to 8 hours with one full charge (Internal battery)
Power supply & battery charger	100 to 240 V automatic charger
Carry for air travel?	Yes

Case

Dimensions	550 X 420 X 275 mm (IATA hand luggage certified)
Weight of box with all equipment	11.2 kg
Scope of supply	Civetta Camera with integrated LED flash; lens protectors; water tight trolley carrying case with foam inlay; calibrated tripod with trolley bag; remote control; battery charger; lens cleaner; multi-country adapter; backup HDD 2TB; Civetta Utility; downloader; image sorting software, and 360° processing software.

Other

Dimensions of tripod	1030-2550 mm min-max height calibrated column
Internal storage	256 GB suitable for 800 full spherical HDR images
Data transmission	USB 3.0
Software	Civetta control pannel and Civetta Utility