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## ▶ advanced digital imaging

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# PanoCam

▶ Digital panoramic camera



Dimensions Camera 29.5 cm x 21 cm

Dimensions Peli Case 50 cm x 40 cm x 19 cm

- 16 bit technology
- maximum resolution of 5200 pixels vertical
- Nikon lens mount (others upon request)
- operation and post-processing software (no charge for updates)
- rechargeable battery pack incl. AC/DC charger
- notebook mounting table and velcro tape  
dimensions: 150 mm x 170 mm x 3 mm
- mounting clamp set
- special USB cabling set: 2 x 1.85 m length, Y-shape
- waterproof and very robust Peli case
- manual

**Order code: 100-3**

# SpheroCam

## ▶ Digital full spherical camera

Dimensions Camera 29.5 cm x 21 cm

Dimensions Peli Case 50 cm x 40 cm x 19 cm

- 16 bit technology
- maximum resolution of 5200 pixels vertical
- Nikon lens mount (others upon request)
- operation and post-processing software (no charge for updates)
- rechargeable battery pack incl. AC/DC charger
- notebook mounting table and velcro tape  
dimensions: 150 mm x 170 mm x 3 mm
- mounting clamp set
- special USB cabling set: 2 x 1.85 m length, Y-shape
- waterproof and very robust Peli case
- manual

**Order code: 100-4**



# SpheroCam HDR

- ▶ Digital full spherical camera High Dynamic Range



Dimensions Camera 29,5 cm x 21 cm

Dimensions Peli Case 50 cm x 40 cm x 19 cm

- 32 bit technology for high-dynamic range imaging
- maximum resolution of 5200 pixels vertical
- Nikon lens mount (others upon request)
- Nikon Nikkor AFD 16/2.8 fisheye lens
- powerfull Dell notebook with extra battery pack (pre-installed)
- operation and post-processing software (updates are free) (Tonemapping and MakeLight, see page 14)
- rechargeable battery pack incl. AC/DC charger
- notebook mounting table and velcro tape
- mounting clamp set
- special USB cabling set: 2 x 1.85 m, Y-Shape
- waterproof and very robust Peli case
- Manfrotto Carbon tripod with customized tripod mount
- electronic spirit level
- manual

**Order code: 100-5**

# SpheroCam HDR

- ▶ Digital full spherical camera High Dynamic Range



# Bundle Solution

- ▶ Forensic documentation



# Bundle Solution

## ► Forensic documentation

Turnkey solution for forensic documentation including:

### **SpheroCam HDR**

- digital full spherical camera
- 32 bit technology for high dynamic range imaging
- maximum resolution of 50 MegaPixel (full spherical)
- calibrated Nikon Nikkor AFD 16/2.8 fisheye lens

### **One-click box**

- automated capturing and storage on embedded PC
- featuring a single pushbutton operation
- storage capacity > 40 GB
- data transfer via Ethernet (10/100 Mbit/s)
- more than 6 hrs of operation
- charger with wide range input
- waterproof case

### **Measurement application**

- calibrated tripod with extra long column
- special fisheye lens calibration

### **Software**

- system operation software (pre-installed)
- GUI Software for operational control (pre-installed)
- post-processing software
- full-spherical HDR-viewer
- measurement software
- manual as printed and electronic versions

**Order code: BND-001**

# Lenses

▶ Nikon

Lenses are hand-through articles. No discount provided.



Nikon Nikkor AF D 16/2.8 diagonal fisheye

- full-frame fisheye images with a 185° diagonal field-of-view
- close-range correction (CRC) system provides high performance at both near and far focusing distances
- focuses down to 0.25 m

**Order code: 300-N-16-28**



Nikon AF D 28/2.8

- compact lightweight wide-angle lens
- 74° picture coverage for superlative flexibility
- focuses down to 0.25 m

**Order code: 300-N-28-28**

# Lenses

## ▶ Nikon, Sigma

Lenses are hand-through articles. No discount provided.

### Nikon AF D 50/1.8

- compact, affordable normal lens
- lightweight (155 g)
- great depth-of-field control, stops down to f/22

**Order code: 300-N-50-18**

### Sigma EX 2.8/105 M 1:1 NAFFD

- focus-free mechanical design
- superb, distortion-free images throughout its broad focus range, from infinity telephoto to 1:1 (life size) macro, as close as 12.3" without accessories

**Order code: 300-S-105-28**



# Accessories

▶ Rechargeable battery pack with charger



## Rechargeable battery pack with charger

### Battery pack

- height: 14 cm
- diameter 7 cm
- over 5 hours operation with SpheronVR digital cameras

### Battery charger

Dimensions: 10.5 cm x 6.5 cm x 9 cm

- wide range input (100 - 240 V)
- can be used as studio power supply
- plug-in adapters for various countries

Order code: 200-1

# Accessories

## ▶ SpheronVR USB camera cable, mounting clamp set

### SpheronVR USB camera cable, Lemo

- 2 x 1.85 m, Y-Shape
- heavy-duty plug (Lemo)

**Order code: 200-2-Lemo-E**

### Mounting clamp set

- height: 70 mm
- outside diameter: 50 mm
- inside diameter: 28 mm  
30 mm (standard)  
33 mm  
35 mm

**Order code: 200-3 - (inner diameter)**



# Accessories

▶ Notebook mounting table, universal tripod mount



## Notebook mounting table

- fits to mounting clamp 200-3 and includes a length of self-adhesive Velcro tape

Dimensions: 150 mm x 170 mm x 3mm

**Order code: 200-4**

## Universal tripod mount with customized handles

Height: 15.5 cm

- handles shortened
- 2 axis spirit level

**Order code: 200-5**

# Accessories

## ▶ Electronic spirit level, horizontal rotation axis

### Electronic spirit level

- integrated in camera electronics
- +/- 0.1° accuracy (x, y axes)
- accessible via camera software

**Order code: 200-6**

### Horizontal rotation axis

Special weights for the SpheroCam/SpheroCamHDR

Features:

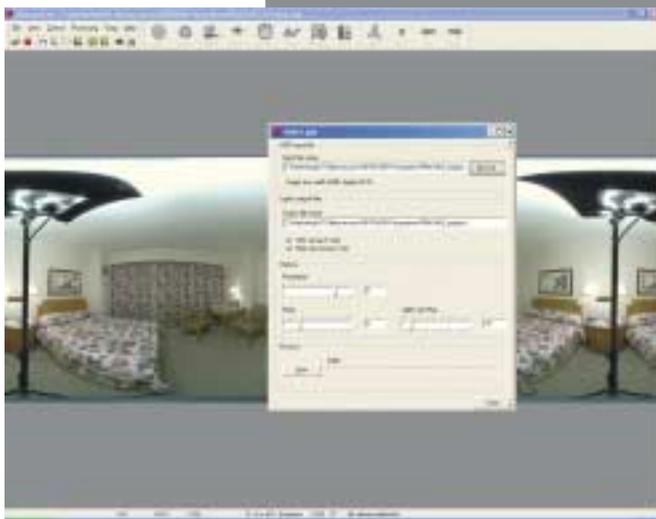
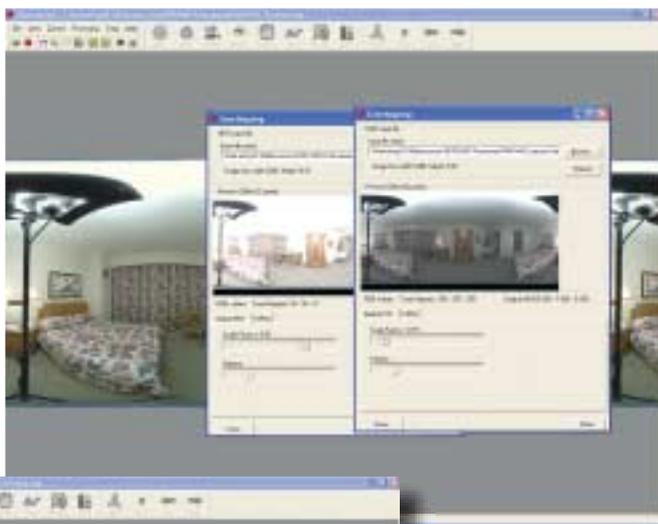
- clutch at the housing of the SpheroCam/SpheroCamHDR aluminium black anodation
- removeable balancing weight
- precise calibration for the camera and lens
- adapted inlay for transportation box

**Order code: 6N/A8\_E**



# Accessories

## ► Software



### Software ToneMapping

Software for dynamic compression

- compatible with Radiance (hdr), TIFF (float), open EXR (exr) files
- fully integrated in SpheroCam application software
- licensed to computer ID  
(already included in the SpheroCam HDR package)

**Order code: 600-43**

### Software MakeLight

Software to extract light sources from light maps

- compatible with Radiance (hdr), TIFF (float), open EXR (exr) files
- fully integrated in SpheroCam application software
- licensed to computer ID  
(already included in the SpheroCam HDR package)

**Order code: 600-44**

# Accessories

## ► Measurement application

Packaged length: 0.88 m

Maximum height: 3.30 m

Full spherical photogrammetry for SpheroCam/SpheroCam HDR

- calibrated tripod with extra long column
- carrying bag 0.93 m length
- special fisheye lens calibration
- measurement software
- manual

Order code: 200-6



# Accessories

## ▶ OneClickBox



Dimensions: 50 cm x 34 cm x 20 cm

- automated capturing and storage
- single pushbutton operation
- storage capacity > 40 GB
- data transfer via Ethernet (10/100 Mbit/s)
- more than 6 hrs of operation
- charger with wide range input
- system operation software (pre-installed)
- GUI software (pre-installed)
- all packed in a robust waterproof case
- cable set

Special modifications of hardware and software are available upon request:

- digital signature
- harddrive
- card reader (personal authentication)
- GPS

**Order code: 200-50**