

Press information – for immediate release
Santa Clara, CA, USA – July 9, 2021

LargeSense launches the LS45 Monochrome!

First full frame 4x5 digital back!

The first commercially available 4x5 digital back, designed for Graflok or International standard, with full frame RAW capture and RAW video capture. With the LS45 photographers now have an option for high quality 4x5 large format images other than film. The LS45 Monochrome is available for order now. The USA price is US\$26,000 Check www.largesense.com for more information.

LS45-M specifications:

- Single shot 140x120 mm 14 bit monochrome CMOS sensor
- ISO sensitivities of ISO 250 and 2000
- The engineering DR is 12.2 with ISO 250. 11.65 stops with ISO 2000.
- Live view support with live view zoom for focus
- Compatible with standard 4x5 lenses
- Easy to use HTML-based WiFi control with any browser
- Lossless RAW video to near 30 fps
- Internal storage, CF cards and external USB 3.1 drives
- Preset and custom curve support
- Battery or international voltage AC connections
- Sensor electronic shutter as fast as 1/30 s
- Built in connection for external liquid crystal shutter. Will offer up to 1/500 s global shutter, as well as precise control for video.
- Bulb exposure times to 1/30 s shutter speed
- Hot shoe support for external strobes
- No AA filter or Bayer color filter for extremely sharp RAW files comparable to 20 megapixel color camera systems
- Excellent deep learning neural network enlarging software included to enlarge images to 4 times the pixels. The result is visually as good as native resolution.

LS45 product page:

<http://largesense.com/index.php/products/4x5-large-format-digital-back-ls45>

Upcoming products:

LS45-C 4x5 inch color digital back, in development

LC Shutter – a global shutter down to 1/500 s for elimination of rolling shutter and 180 degree shutter angles

LargeSense was founded in 2014 by Bill Charbonnet. LargeSense's goal is to provide truly consumer friendly large format digital camera systems.

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